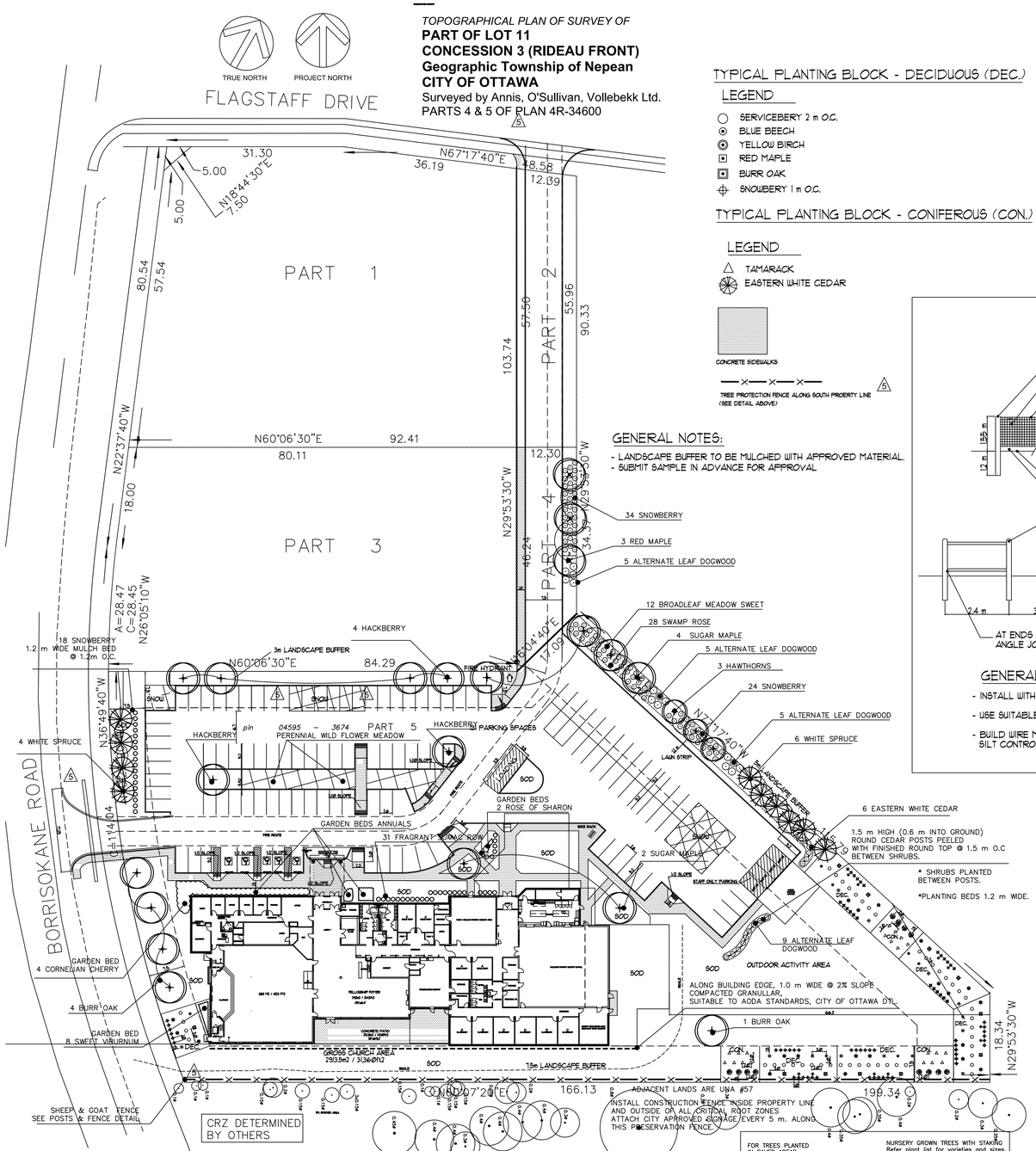


1 L1 LANDSCAPE PLAN - OVERALL

TOPOGRAPHICAL PLAN OF SURVEY OF
PART OF LOT 11
CONCESSION 3 (RIDEAU FRONT)
Geographic Township of Nepean
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebekk Ltd.
PARTS 4 & 5 OF PLAN 4R-34600

TYPICAL PLANTING BLOCK - DECIDUOUS (DEC.)

LEGEND

- SERVICEBERY 2 m O.C.
- BLUE BEECH
- YELLOW BIRCH
- RED MAPLE
- BURR OAK
- SNOWBERY 1 m O.C.

TYPICAL PLANTING BLOCK - CONIFEROUS (CON.)

LEGEND

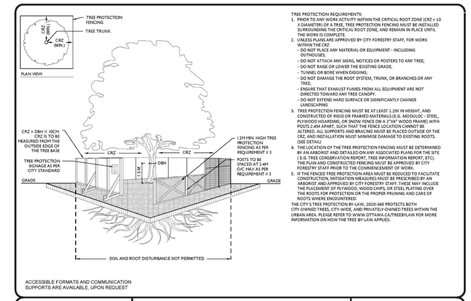
- TAMARACK
- EASTERN WHITE CEDAR

CONCRETE SIDEWALKS

TREE PROTECTION FENCE ALONG SOUTH PROPERTY LINE (SEE DETAIL ABOVE)

GENERAL NOTES:

- LANDSCAPE BUFFER TO BE MULCHED WITH APPROVED MATERIAL.
- SUBMIT SAMPLE IN ADVANCE FOR APPROVAL



TREE PROTECTION REQUIREMENTS

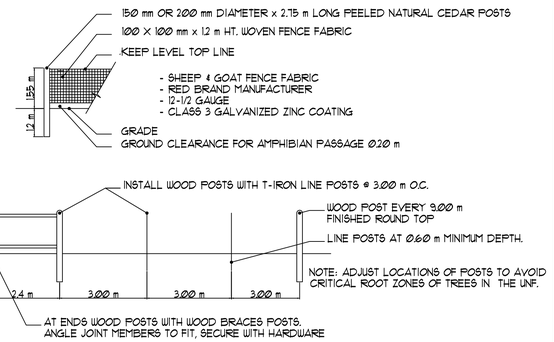
1. WITHIN THE TREE PROTECTION ZONE WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
   - DO NOT PLACE ANY MATERIAL OR EQUIPMENT – INCLUDING OUTHOUSES;
   - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
   - DO NOT RAISE OR LOWER THE EXISTING GRADE;
   - TUNNEL OR BORE WHEN DIGGING;
   - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
   - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
   - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSISTING OF EITHER PLYWOOD, ORANGE PLASTIC SNOW FENCING, PLYWOOD HOARDING, OR SNOW FENCE ON 2"X4" WOOD FRAME (WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. THE FENCE MUST BE CONSTRUCTED TO THE FULL EXTENT OF THE CRZ, AND INSTALLATION MUST NARROWLY DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE. IN THE CASE OF A SITE PLAN CONTROL APPLICATION, THE SITE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
5. IN ORDER TO MAINTAIN THE VITALITY OF TREES AND TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS AND BRANCHES.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREEBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE UPON REQUEST

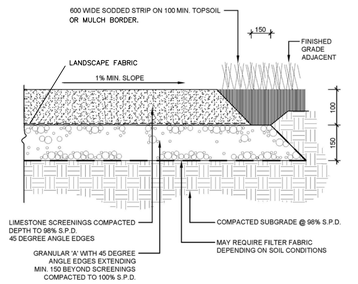
Ottawa	TREE PROTECTION SPECIFICATION TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.	SCALE: NTS DATE: MARCH 2021	DRAWING NO.: 1 of 1

POSTS & FENCE DETAIL



GENERAL NOTES:

- INSTALL WITH POST SURFACE 50 mm INSIDE PROPERTY LINE AND WITH FENCE FABRIC TO INSIDE.
- USE SUITABLE GALVANIZED METAL FASTENERS
- BUILD WIRE MESH BOUNDARY FENCE AND, ATTACH AND SUBSEQUENT REMOVAL OF TEMPORARY SILT CONTROL FENCE FABRIC TO MAINTAIN INTEGRITY OF THE NEW PERMANENT BOUNDARY FENCE



NOTE:
1. ALL MEASUREMENTS ARE IN MILLIMITRES UNLESS OTHERWISE NOTED.

STONEDUST PATH DETAIL (PP-06) (CITY OF OTTAWA)

PROTECTION OF EXISTING TREES & VEGETATION AREAS

1. Trees, individual or groups, and areas of existing vegetation have been identified on this plan. Report any discrepancies to the landscape consultant immediately and prior to commencing work.

There are no existing trees on the subject site.' Refer to City for instructions for identified existing City owned trees.

2. Prior to commencment of construction on site, erect temporary barrier fences around protected trees and areas. At minimum, fences to be located beyond outer edge of tree canopies, i.e. drip line plus 1 metre. Any variation shall be subject to approval.

3. Temporary barrier shall be preservation hoarding as per City of Ottawa detail.

4. The existing grade within the protected root zone area shall remain undisturbed during construction, and storage of materials or equipment shall be prohibited. No soil or debris shall be placed over root systems of trees and plants within protective fencing. No contaminants shall be dumped, drained or flushed over feeder roots e.g. exhaust of standing vehicles, watering down of concrete trucks, etc. At time of site grading and related site work, remove barrier fence and all related accesssories. Disposal shall remain the responsibility of the Contractor.

5. After construction of building footings and when trees are in full and mature leaf, assess trees and prune out dead wood. Where necessary, trees shall be pruned and shaped to restore overall balance between roots and top growth, and to restore appearance of the tree. A meeting with the landscape consultant is required prior to trimming operations. Trim limbs away from building and utility lines, and prune lower branches on selected trees to clear minimum 1800mm above grade for sight lines, near paths and path junctions. Dispose of debris as part of thjs contract. Woody material free of disease and insect infestation may be chipped and stored on site for use as mulch on paths and shrub beds.

6. At time of site grading, use small machine to smooth surface at base of trees and over root zone to facilitate lawn cutting in areas designated as lawn. Minimized disturbance to roots and in particular fibrous feeder roots. Ensure positive drainage. Grades within root zone not to alter more than 50mm from existing. Fill deeper depressions with sandy topsoil. Refer landscape plan for sodding and planting instructions. If grades around trees to be protected are deemed to require substantial change, precautions such as dry welling, retaining walls and root feeding shall be undertaken as directed.

7. Leave site in tidy condition.

8. Protected trees shall be reassessed after construction by a tree management professional. All trees that have died or have been damaged beyond repair shall be removed and replaced by the General Contractor and/or Owner.

GENERAL LANDSCAPING NOTES

Verify servicing and locate utilities prior to excavation.
Confirm site readiness and advise landscape architecture consultant of installation schedule.
Verify listed quantities with plan. Report discrepancies immediately. Ensure soil mixture including topsoil is suitable for work.
Mark out locations of trees for approval prior to planting.
Set out shrubs and ground covers for approval prior to planting.
All tree saucers, planters and shrub beds to be mulched.
Any rejected material shall be replaced immediately.
Ensure adequate watering of plantings to first winter dormancy.
Temporary staking to be removed by landscape contractor following acceptance at one year warranty review. Protect existing trees and natural areas to remain.
Where there is a discrepancy between drawings and Municipal specifications, the Municipal specifications shall prevail.

TREE PLANTING

Select specimen to suit location, setting plant in same level and orientation it grew, ie. north side of trunk facing north. Set nursery grown plants in planting pit and make minor adjustment to place plant for best appearance from main views. Set tree plumb in pit and coordinate installation to remove rope and wire basket as pit is backfilled, clipping the basket away in pieces without disturbing the tree. Remove at least half burlap covering and fold down remaining burlap to bury in pit. Ensure soil of rootball is moistened to keep rootball from breaking apart during planting. Stake tree to hold in place, refer above. scarify pit bottom and sides. Backfill pit with planting mixture in beds and for individual pits, a mixture of 2 parts soil with 1 part soil specified amendment. Tamp in 150mm layers; water thoroughly to saturate pit and surrounding soil. It is imperative the wire basket be removed and planting technique ensure the establishment of the tree.
Stake securely with 2 1-irons set plumb and at equal height. Tie tree to stakes with #9 gauge galvanized wire encased in 2-ply rubber hose encircling tree so that no wire is in direct contact with the tree. Ensure wire is securely attached to stakes and twist wire ends to eliminate exposed cuts. Do not pierce root ball with stakes. For deciduous trees, tie tree about height of first main branch. For coniferous trees, tie tree about half height of tree. Trees planted in exposed locations or on slopes may require three stakes. 100mm layer approved mulch such as shredded leaf litter or screened composted manure or dark coloured shredded wood.
Burlap wrapping shall be removed for inspection of trunk, and replaced. Install for length of trunk to first main branch. In addition, for trees not planted in beds, provide an approved plastic mowing guard, such as a 200mm length big 'o' boot. For trees which may be susceptible to rodent damage, an approved plastic guard shall be required instead, refer to plant list. Create saucer at base of tree with moat edge at perimeter of saucer. Neatly tool edge of mulched saucer to create 1m diameter circles at base of tree. Trim only injured plant parts; retaining natural shape. Ensure binding in branches is removed. Damaged or poorly structured plants are unacceptable. Bark damage including loose bark, unhealed wounds and splits in trunk bark is cause for rejection of tree.

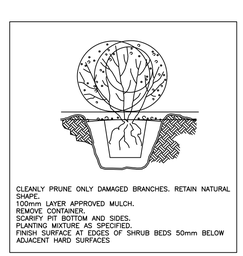
SODDING AND SEEDING

After rough grading is approved and topsoil has been spread and finish graded to depth specified in contract or, a minimum 100mm compacted depth (which ever is more), inspect site readiness for sodding. Dampen soil surface to minimize dust. Respect governing regulations with respect to pollution control. Apply any required fertilizer as determined by contract soil testing and rake into top 100mm topsoil. Roll to consolidate topsoil, leaving smooth and firm against deep footprints. Just prior to sodding or seeding, machine rake soil to scarify surface and eliminate minor irregularities.
Sod shall be #1 nursery sod for lawns, uniformly thick and freshly cut. Cultivar blend consistent throughout. Do not use peat based sod supplied with plastic mesh. Lay sod within 36 hours of cutting. store in shade and keep cool until installed. Sod must be set with tight joints which are not visible upon completion. Do not overlap edges. Water sod within one hour of installation to thoroughly saturate sod and top 150mm of soil. Apply water by sprinkler method or similar temporary irrigation method which applies water in a manner which does not displace sod or soil. After sod has dried sufficiently, roll sodded area to ensure a good bond between sod and soil and to remove minor irregularities in the lawn surface. Peg lawn pieces on slopes where necessary. Do not use metal pegs.
All sodded and seeded areas are subject to a one year warranty from date of acceptance.
Unless noted otherwise, areas are to be sodded.
Seed as specified on drawings. Refer also to Golder Associates Report on Stormwater Management dated April 2017 for erosion and sediment control measures during construction.

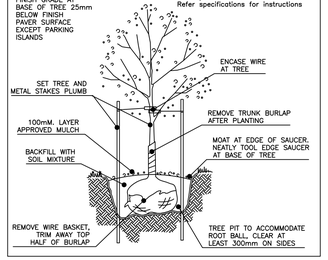
SHRUB & GROUND COVER PLANTING

PLANTING BEDS AND SOIL MIXTURE
Shrubs and ground covers, to be contained in a continuous bed. Planting beds to be neatly set out and tool edged to create a smooth line with lawn. Generally, shrubs to be set out for approval prior to planting, and, shrubs set in a line or hedge pattern to be set evenly spaced from edge of planting bed or walkway or curb, minimum 60cm. Soil mixture for planting beds and tree pits to be horticultural quality topsoil free of weeds and grass roots. May be available from stockpile. Topsoil to be blended with aged screened soil amendment such as commercially prepared leaf litter or barnyard manure. 2 parts topsoil and 1 part soil amendment. Prepare planting beds to 45cm depth, crown beds, meet walkway 50mm below finish edge of walk. Remove all containers, plant and create a saucer at the base of each plant to facilitate watering. Water each plant thoroughly prior to placement of mulch. Install approved dark coloured mulch to a depth of 100mm in beds. Provide mulch sample for approval. See mulch notes on planting details.

PLANT LIST			
*Denotes plant identified in Tree Conservation Report, April 13, 2013, species suitable for moist soils			
Quantity	Size	Botanical Name	Common Name
DECIDUOUS TREES			
14	50mm cal	Acer rubrum*	Red Maple
6	50mm cal	Acer saccharum	Sugar Maple
20	40mm cal	Betula alleghaniensis*	Yellow Birch
20	40mm cal	Carpinus caroliniana*	Blue Beech
3	40mm cal	Crataegus spp*	Native Hawthorn
16	40mm cal	Quercus macrocarpa*	Burr Oak
6	50mm cal	Celtis occidentalis	Hackberry
CONIFEROUS TREES			
10	200 cm	Picea glauca*	White Spruce
20	150 cm	Larix laricina*	Tamarack
18	150 cm	Thuja occidentalis*	Eastern White Cedar
DECIDUOUS SHRUBS			
41	120 cm	Amelanchier canadensis	Serviceberry
4	100 cm	Cornus mas	Cornelian Cherry
2	150 cm	Hibiscus syriac 'Bluebird'	Blue Bird Rose of Sharon
31	40 cm	Rhus aromatica	Fragrant Sumac
242	30 cm	Symphoricarpus albus	Snowberry
24	100 cm	Cornus alternifolia	Alternate Leaf Dogwood
28	40 cm	Rosa palustris	Swamp Rose
12	60 cm	Spiraea latifolia	Broadleaf Meadow Sweet
8	60 cm	Viburnum lentago	Sweet (nanyberry) Viburnum
CONIFEROUS SHRUBS			
PERENNIALS , plug trays, total 1250 plants			
		Anemone canadensis	Canada Anemone
		Rudbeckia fulgida	Black Eyed Susan
		Symphyotrichum oolentangiensis	Sky Blue Aster
		Thalictrum pubescens	Tall Meadow Rue



SHRUB PLANTING DETAIL



TREE PLANTING DETAIL

FILE NUMBER D07-12-24-0063
PLAN NUMBER #18788

Notes to the contractor.

a. No grading, structures, retaining walls, construction or site/construction access are permitted on or from the UNA #57.

b. The placement of unapproved materials or structures within UNA #57 is not permitted at any stage of development. This includes, but is not limited to, topsoil stockpiling, construction trailers and vehicles, construction materials and debris, sales/promotional trailers and signage.

c. The contractor is responsible for maintaining park and tree preservation hoarding in an approved and functioning condition as required by the City of Ottawa through all phases of construction.

d. Inform the Identified City Dept. of the Construction Schedule as it pertains to the municipally owned parkland, its protective hoarding, clean ups, reinstatement and issues affecting parkland use, construction and maintenance. It is the responsibility of the applicant to arrange for City of Ottawa inspections and approvals as required.

e. Remove construction related debris or litter that has migrated or has the potential to migrate into the adjacent municipally owned by UNA #57.

f. The Applicant is responsible for the ensuring that tree protection hoarding is maintained throughout all phases of demolition and construction in the location and condition as approved by the City of Ottawa. No materials (building materials, soil, etc.) may be stockpiled within the area of hoarding.

SITE PLAN STATISTICS

SITE PLAN = PARTS 2, 4, 5
SITE AREA = 13923 M2
BUILDING AREA = 2913.5 M2 (20.9%)
PARKING AREA = 4566 M2 (32.8%)
SIDEWALKS AREA = 871 M2 (6.25%)
LANDSCAPE AREA = 5570.5 M2 (40%)
PARKING REQUIRED = 110 SPACES + LOADING
PARKING PROVIDED = 135 SPACES + 1 LOADING

SP PROJECT NUMBER

No.	Revisions	Date
6	Issue for SPA comments	07-01-25
5	Issue for SPA comments	17-09-24
4	Issue for SPA comments	06-05-24
3	Issue for SPA comments	05-02-24
2	Issue for SPA comments	30-10-23
1	Issue for SPA	28-06-23

All dimensions to be checked and verified on the job.
Any discrepancies are to be reported to the Consultant.
All drawings remain the property of the Consultant.
Only latest approved drawings to be used for construction.

Miriam L.R. Mutton
OALA CSLA
Landscape Architect
Cobourg, Ontario
(905) 372-1151

Project
OTTAWA KOREAN COMMUNITY CHURCH
3555 BORRISOKANE ROAD
OTTAWA, ONTARIO

Drawing Title
LANDSCAPE AND TREE PRESERVATION PLAN

Drawn	COA	Project No.	
Checked	MM	Drawing No	L1
Date	May 18, 2023		
Scale	1 : 500		