

legend / légende

- TREE PROTECTION FENCING
- PROPERTY LINE
- INDIVIDUAL TREES TO BE REMOVED AND KEY No. - REFER TO TABLE # & REPORT
- INDIVIDUAL TREES TO BE RETAINED AND KEY No. - REFER TO TABLE # & REPORT



rev'n	description / la description	yyyy/mm/dd
06	re-issue for site plan application	2026/06/22
05	re-issue for site plan application	2026/06/04
04	issue for tender	2026/05/08
03	re-issue for site plan application	2026/05/06
02	re-issue for site plan application	2026/04/27
01	re-issue for site plan application	2026/04/17
00	issue for site plan application	2026/03/09

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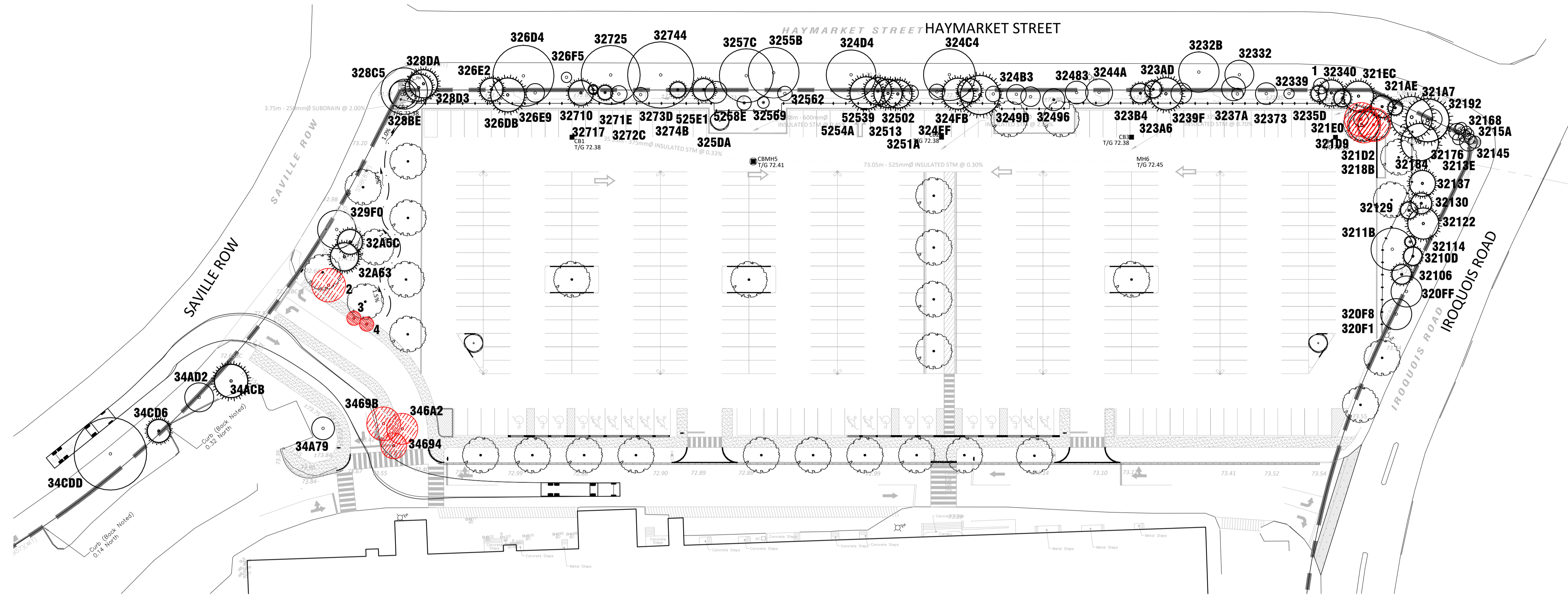
project / projet
2085 CARLING AVENUE
CARLINGWOOD MALL NORTH PARKING
STRUCTURE DEMOLITION & REDESIGN

drawing / dessin
TREE CONSERVATION PLAN

designed / conçu	drawn / dessiné	reviewed / examiné
ST / DF	ST	DF
date	project number / No. du projet	
SEPT 2025		

drawing number / No. du dessin

TCP 1



1 TREE CONSERVATION PLAN
TCP 1:500

NOTE: THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE LATEST Tree Conservation Report AS PREPARED BY Arcadis.

PLAN VIEW

CRZ - DBH x 1.0CM
 CRZ IS TO BE MEASURED FROM THE OUTSIDE EDGE OF THE TREE BASE

1.2M MIN. HIGH TREE PROTECTION FENCING AS PER REQUIREMENT # 3

POSTS TO BE SPACED AT 1.4M O.C. MAX AS PER REQUIREMENT # 3

ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST

TREE PROTECTION REQUIREMENTS

- PRIOR TO ANY WORK ACTIVITY 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.
 - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTFITTERS,
 - 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 OF 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.
- TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC, STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2X4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMIZE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
- THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE INFORMATION REPORT, ETC.). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
- IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED 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 CHIP, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.
- THE CITY'S TREE PROTECTION BY-LAW, 2030-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREESBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.

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

2 TREE PROTECTION FENCING
TCP NTS

NOTE: SHOULD ROOTS BE ENCOUNTERED OUTSIDE OF THE CRZ DURING EXCAVATION, THE FOLLOWING DETAIL SHALL APPLY

NOTES:

- PROPER ROOT PRUNING TECHNIQUE REQUIRED WHEN TREE ROOTS ENCOUNTERED DURING EXCAVATION.
- EXCAVATIONS WITHIN DRIPLINE SHOULD BE BY DIRECTIONAL MICRO-TUNNELLING AND BORING, OUTSIDE THE DRIPLINE, ROOTS SHOULD BE CUT CLEANLY (AS PER ABOVE DRAWING) WITH PRUNING SHEARS OR A SAW WIPED WITH ALCOHOL BEFORE EACH CUT.
- AFTER ROOTS ARE CLEANLY CUT, THE AREA SHOULD BE BACKFILLED WITH SUITABLE MATERIAL (TO BE APPROVED BY LANDSCAPE ARCHITECT) TO PREVENT DESICCATION;
- WHERE APPROPRIATE, THE TREES SHALL UNDERGO AN OVERALL PRUNING TO RESTORE TREE APPEARANCE AND / OR RESTORE THE BALANCE BETWEEN TOP GROWTH AND ROOTS. DO NOT PRUNE LEADERS.

3 ROOT PRUNING DETAIL
TCP NTS

NO.	Common Name	Scientific Name	DBH (cm) (approx)	CRZ (m)	Condition	No. Stems	Comments	Impact / Recommendation
1	Siberian Elm	Ulmus pumila	15	1.5	Good	1	40cm away from manhole	Retain
2	Little-leaf Linden	Tilia cordata	32	3.2	Fair	1		To be Removed
3	Honey-locust	Gleditsia triacanthos	13	1.3	Good	1		To be Removed
320F1	Unknown	Unknown	0	0.0	Dead	1	Tree cut down	
320F8	Norway Maple	Acer platanoides	30	3.0	Very Good	1		Retain
320F9	Norway Maple	Acer platanoides	30	3.0	Very Good	1		Retain
32106	Norway Spruce	Picea abies	19	1.9	Excellent	1		Retain
32100	Norway Spruce	Picea abies	18	1.8	Very Good	1		Retain
32114	Norway Spruce	Picea abies	10	1.0	Very Good	1		Retain
*3211B	Norway Maple	Acer platanoides	41	4.1	Good	1		Possible soil to be added in CRZ
32122	Norway Spruce	Picea abies	30	3.0	Good	1		Retain
32129	Norway Spruce	Picea abies	16	1.6	Very Good	1	Leaking sap	Retain
32130	Norway Spruce	Picea abies	20	2.0	Very Good	1		Retain
32137	White Pine	Pinus strobus	25	2.5	Very Good	1		Retain
3213E	Norway Maple	Acer platanoides	12	1.2	Good	1		Retain
32145	Norway Spruce	Acer platanoides	10	1.0	Good	1		Retain
3214C	Norway Maple	Acer platanoides	17	1.7	Fair	1		Retain
32153	Norway Maple	Acer platanoides	12	1.2	Very Good	1		Retain
3215A	Norway Maple	Acer platanoides	10	1.0	Very Good	1		Retain
32161	Norway Maple	Acer platanoides	10	1.0	Very Good	3		Retain
32168	Norway Maple	Acer platanoides	11	1.1	Very Good	1		Retain
3216F	Norway Maple	Acer platanoides	10	1.0	Very Good	1		Retain
32176	Norway Maple	Acer platanoides	16	1.6	Good	1	Liab shrub at base	Retain
3217D	Norway Maple	Acer platanoides	11	1.1	Very Good	1		Retain
32184	Eastern White Pine	Pinus strobus	38	3.8	Good	1		Retain
3218B	Eastern White Cedar	Thuja occidentalis	42	4.2	Good	4		Retain
32192	Norway Spruce	Acer platanoides	20	2.0	Very Good	1		Retain
321A7	Eastern White Pine	Pinus strobus	40	4.0	Very Good	1		Retain
321AE	Norway Spruce	Picea abies	14	1.4	Very Good	1		Retain
321B5	Norway Spruce	Picea abies	21	2.1	Very Good	1		Retain
321D2	Norway Spruce	Acer platanoides	30	3.0	Very Good	1		To be Removed
321D9	American Basswood	Tilia americana	29	2.9	Very Good	2		To be Removed
321E0	Norway Spruce	Acer platanoides	14	1.4	Good	1		To be Removed
321E1	Norway Spruce	Acer platanoides	29	2.9	Very Good	1		Retain
3232B	Northern Red Oak	Quercus rubra	39	3.9	Very Good	1		Retain
32332	Norway Spruce	Acer platanoides	28	2.8	Fair	1		Retain
32339	Common Buckthorn	Rhamnus coarctata	10	1.0	Very Good	4		Retain
32340	Norway Spruce	Picea abies	25	2.5	Very Good	1		Retain
32350	Norway Spruce	Picea abies	16	1.6	Good	1		Retain
3235D	Norway Spruce	Picea abies	15	1.5	Fair	1		Retain
32373	Apple Spp.	Malus spp.	21	2.1	Good	1		Retain
3237A	Apple Spp.	Malus spp.	11	1.1	Fair	1		Retain
3237A	Norway Spruce	Picea abies	23	2.3	Good	1		Retain
3239F	Apple Spp.	Malus spp.	20	2.0	Fair	2		Retain
323A0	Norway Spruce	Acer platanoides	31	3.1	Very Good	1		Retain
323A0	Norway Spruce	Picea abies	19	1.9	Very Good	1		Retain
323B4	Norway Spruce	Picea abies	19	1.9	Good	1		Retain
32443	Apple Spp.	Malus spp.	26	2.6	Good	1		Retain
3244A	Apple Spp.	Malus spp.	22	2.2	Good	2		Retain
32483	Apple Spp.	Malus spp.	21	2.1	Very Good	2		Retain
32496	Apple Spp.	Malus spp.	19	1.9	Fair	2		Retain
32496	Apple Spp.	Malus spp.	14	1.4	Good	1		Retain
324B3	Apple Spp.	Malus spp.	15	1.5	Good	1		Retain
324C4	Siberian Elm	Ulmus pumila	50	5.0	Very Good	1		Retain
324D4	Siberian Elm	Ulmus pumila	48	4.8	Very Good	1		Retain
324E4	Red Spruce	Picea rubens	38	3.8	Very Good	1		Retain
324F8	Red Pine	Pinus resinosa	23	2.3	Very Good	1		Retain
32502	Red Pine	Pinus resinosa	30	3.0	Very Good	1		Retain
32513	Apple Spp.	Malus spp.	15	1.5	Good	3		Retain
3251A	Apple Spp.	Malus spp.	15	1.5	Poor	3		Retain
32521	Red Pine	Pinus resinosa	27	2.7	Very Good	1		Retain
32532	Red Pine	Pinus resinosa	27	2.7	Good	1		Retain
32562	Siberian Elm	Ulmus pumila	49	4.9	Very Good	1		Retain
32569	Apple Spp.	Malus spp.	14	1.4	Good	1		Retain
32569	Apple Spp.	Malus spp.	11	1.1	Good	1		Retain
3257C	Siberian Elm	Ulmus pumila	52	5.2	Fair	1		Retain
325DA	Apple Spp.	Malus spp.	21	2.1	Very Good	2		Retain
326D4	Siberian Elm	Ulmus pumila	59	5.9	Very Good	1		Retain
326D6	Norway Spruce	Picea abies	33	3.3	Good	1		Retain
326E2	White Spruce	Picea glauca	22	2.2	Excellent	1		Retain
326E9	Apple Spp.	Malus spp.	18	1.8	Very Good	1		Retain
326F5	American Basswood	Tilia americana	10	1.0	Excellent	1		Retain

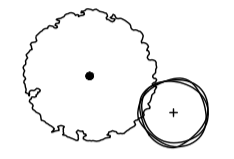
32710	White Spruce	Picea glauca	24	2.4	Very Good	1		Retain
32717	White Spruce	Picea glauca	8	0.8	Very Good	1		Retain
3271E	Norway Spruce	Picea abies	14	1.4	Good	1		Retain
32725	Siberian Elm	Ulmus pumila	57	5.7	Good	1		Retain
3272C	Apple Spp.	Malus spp.	16	1.6	Fair	3		Retain
32730	Apple Spp.	Malus spp.	14	1.4	Fair	2		Retain
32744	Siberian Elm	Ulmus pumila	64	6.4	Fair	1		Retain
32748	White Spruce	Picea glauca	15	1.5	Very Good	1		Retain
32807	Siberian Elm	Ulmus pumila	26	2.6	Good	1		Retain
3280E	Siberian Elm	Ulmus pumila	29	2.9	Very Good	1		Retain
3280C5	Siberian Elm	Ulmus pumila	45	4.5	Excellent	1		Retain
328D3	Siberian Elm	Ulmus pumila	26	2.6	Fair	1		Retain
328DA	Eastern White Cedar	Thuja occidentalis	27	2.7	Good	3		Retain
329F0	Little-leaf Linden	Tilia cordata	37	3.7	Very Good	1		Retain
32A5C	Red Pine	Pinus resinosa	24	2.4	Very Good	1		Retain
32A53	Red Pine	Pinus resinosa	27	2.7	Good	1		Retain
34684	Honey-locust	Gleditsia triacanthos	25	2.5	Excellent	2		To be Removed
3469B	Honey-locust	Gleditsia triacanthos	32	3.2	Excellent	1		To be Removed
346A2	Honey-locust	Gleditsia triacanthos	30	3.0	Excellent	1		To be Removed
347A9	Little-leaf Linden	Tilia cordata	22	2.2	Very Good	1		Retain
34C0D	Red Pine	Pinus resinosa	32	3.2	Very Good	1		Retain
34A32	Siberian Elm	Ulmus pumila	28	2.8	Fair	4		Retain
34C68	Honey-locust	Gleditsia triacanthos	37	3.7	Excellent	1		Retain
34C94	Honey-locust	Gleditsia triacanthos	21	2.1	Very Good	1		Retain
34CA4	Honey-locust	Gleditsia triacanthos	30	3.0	Very Good	1		Retain
34CD6	Red Pine	Pinus resinosa	22	2.2	Good	1		Retain
34CDD	Siberian Elm	Ulmus pumila	70	7.0	Good	1		Retain
34E18	Honey-locust	Gleditsia triacanthos	17	1.7	Good	1		Retain
35206	Honey-locust	Gleditsia triacanthos	30	3.0	Very Good	1		Retain
35374	Red Maple	Acer rubrum	13	1.3	Very Good	1		Retain
3537B	Little-leaf Linden	Tilia cordata	12	1.2	Good	1		Retain
35382	Red Maple	Acer rubrum	14	1.4	Good	1		Retain
35686	Red Pine	Pinus resinosa	27	2.7	Good	1		Retain
35695	Red Pine	Pinus resinosa	19	1.9	Fair	1		Retain
3569C	Red Pine	Pinus resinosa	29	2.9	Good	1		Retain
356A3	Red Pine	Pinus resinosa	25	2.5	Good	1		Retain
356AA	Red Pine	Pinus resinosa	26	2.6	Good	1	Large nest	Retain
356B1	Red Pine	Pinus resinosa	30	3.0	Good	1		Retain
356B8	Red Pine	Pinus resinosa	34	3.4	Good	1		Retain
356F6	Red Pine	Pinus resinosa	23	2.3	Good	1		Retain
356C6	Red Pine	Pinus resinosa	26	2.6	Fair	1		Retain
356C0	Red Pine	Pinus resinosa	21	2.1	Fair	1		Retain
356D4	Red Pine	Pinus resinosa	19	1.9	Fair	1		Retain
356D6	Red Pine	Pinus resinosa	26	2.6	Fair	1		Retain
356E2	Red Pine	Pinus resinosa	29	2.9	Good	1		Retain
35C50	Honey-locust	Gleditsia triacanthos	24	2.4	Excellent	1		Retain
35D33	Honey-locust	Gleditsia triacanthos	21	2.1	Good	1		Retain
35E88	Red Pine	Pinus resinosa	55	5.5	Excellent	1		Retain
35EA4	Red Pine	Pinus resinosa	55	5.5	Good	1		Retain
35EAD	Red Pine	Pinus resinosa	55	5.5	Excellent	1		Retain
35E81	Red Maple	Acer rubrum	29	2.9	Good	1		Retain
35F10	Little-leaf Linden	Tilia cordata	13	1.3	Fair	1	Growing between iron gate	Retain
35F17	Manitoba Maple	Acer negundo	15	1.5	Fair	3		Retain
35F1E	Red Maple	Acer rubrum	21	2.1	Good	1		Retain
35F25	Red Maple	Acer rubrum	35	3.5	Very Good	1		Retain
35F36	Norway Spruce	Picea abies	32	3.2	Excellent	1		Retain
35F30	Norway Spruce	Picea abies	28	2.8	Very Good	1		Retain
35F44	Norway Spruce	Picea abies	22	2.2	Very Good			



key plan / plan repère



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PROPOSED TREE PLANTING

PLANT KEY



DO NOT SCALE DRAWINGS

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drawing / dessin

PLANTING PLAN

designed / conçu	drawn / dessiné	reviewed / examiné
ST / DF	ST	DF
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SEPT 2025		

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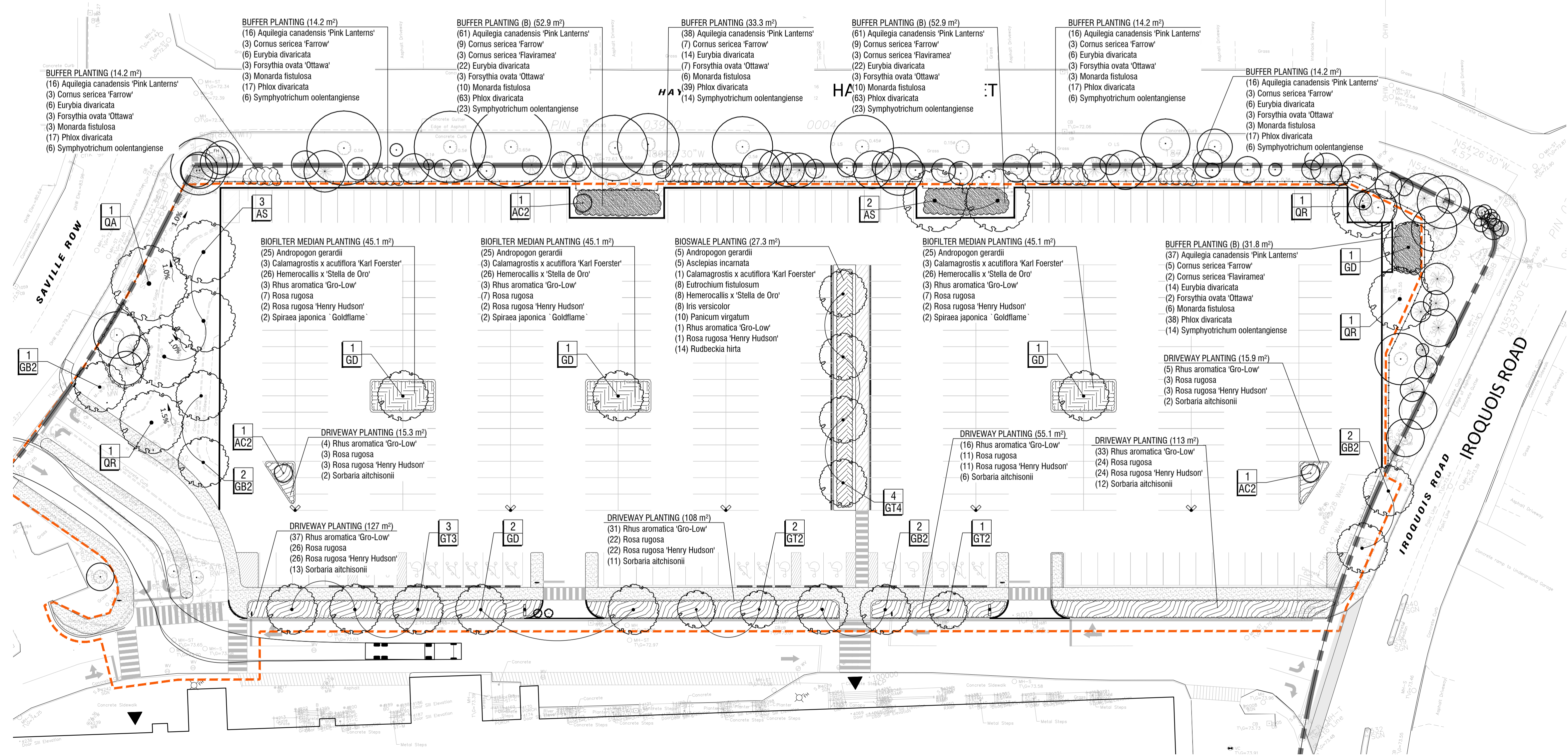
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TREE PLANTING SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE / CONDITION / SPACING	NATIVE
DECIDUOUS TREES					
AS	5	Acer saccharum	Sugar Maple	70mm cal. / W.B.	Native
AC2	3	Amelanchier canadensis	Canadian Serviceberry	50mm cal. / W.B. (single stem, tree form)	Native
GB2	7	Ginkgo biloba 'Autumn Gold'	Autumn Gold Maidenhair Tree	70mm cal. / W.B.	Non-Native
GT3	3	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey Locust	70mm cal. / W.B.	Cultivar
GT2	3	Gleditsia triacanthos inermis 'Sunburst'	Sunburst Honey Locust	60mm cal. / W.B.	Cultivar
GT4	4	Gleditsia triacanthos inermis 'Suncoke'	Sunburst Honey Locust	60mm cal. / W.B.	Cultivar
GD	6	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree 'Espresso'	60mm cal. / W.B.	Native
QA	1	Quercus alba	White Oak	70mm cal. / W.B.	Native
QR	3	Quercus rubra	Northern Red Oak	60mm cal. / W.B.	Native

PERENNIAL PLANTING SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE / CONDITION / SPACING	NATIVE
BIOFILTER MEDIAN PLANTING					
	75	Andropogon gerardii 'Big Bluestem'		#1 Pot / 75cm sp.	
	9	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass		#1 Pot / 60cm sp.	
	78	Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily		#1 Pot / 60cm sp.	
	9	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac		#1 Pot / Refer to plan for spacing	
	21	Rosa rugosa / Rugosa Rose		#2 Pot / 90cm sp.	
	6	Rosa rugosa 'Henry Hudson' / Henry Hudson Rose		#3 Pot / 100cm sp.	
	6	Spiraea japonica 'Goldflame' / Goldflame Japanese Spirea		#2 Pot / 100cm sp.	
BIOSWALE PLANTING					
	17	Andropogon gerardii 'Big Bluestem'		#1 Pot / 75cm sp.	
	17	Asclepias incarnata / Swamp Milkweed		#1 Pot / 75cm sp.	
	4	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass		#1 Pot / 60cm sp.	
	27	Eutrochium fistulosum / Hollow Joe Pye Weed		#1 Pot / 60cm sp.	
	27	Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily		#1 Pot / 60cm sp.	
	27	Iris versicolor / Blue Flag		#1 Pot / 60cm sp.	
	34	Panicum virgatum / Switch Grass		#1 Pot / 75cm sp.	
	3	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac		#1 Pot / Refer to plan for spacing	
	5	Rosa rugosa 'Henry Hudson' / Henry Hudson Rose		#3 Pot / 100cm sp.	
	48	Rudbeckia hirta / Black-eyed Susan		#1 Pot / 45cm sp.	
DRIVEWAY PLANTING					
	126	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac		#1 Pot / Refer to plan for spacing	
	89	Rosa rugosa / Rugosa Rose		#2 Pot / 90cm sp.	
	89	Rosa rugosa 'Henry Hudson' / Henry Hudson Rose		#3 Pot / 100cm sp.	
	46	Sorbaria aitchisonii / False Spiraea		#2 Pot / 100cm sp.	
BUFFER PLANTING					
	102	Aquilegia canadensis 'Pink Lanterns' / Pink Lanterns Eastern Columbine		#1 Pot / 30cm cp.	
	19	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood		#3 Pot / 125cm sp.	
	38	Eurybia divaricata / White Wood Aster		#1 Pot / 50cm sp.	
	19	Forsythia ovata 'Ottawa' / Early Forsythia		#3 Pot / 100cm sp.	
	18	Monarda fistulosa / Bergamot		#1 Pot / 75cm sp.	
	107	Phlox divaricata / Woodland Phlox		#1 Pot / 30cm cp.	
	38	Symphytichum oolentangense / Sky Blue Aster		#1 Pot / 50cm sp.	
BUFFER PLANTING (B)					
	159	Aquilegia canadensis 'Pink Lanterns' / Pink Lanterns Eastern Columbine		#1 Pot / 30cm cp.	
	23	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood		#3 Pot / 125cm sp.	
	8	Cornus sericea 'Flaviramea' / Yellow Twig Dogwood		#3 Pot / 200cm sp.	
	58	Eurybia divaricata / White Wood Aster		#1 Pot / 50cm sp.	
	8	Forsythia ovata 'Ottawa' / Early Forsythia		#3 Pot / 100cm sp.	
	26	Monarda fistulosa / Bergamot		#1 Pot / 75cm sp.	
	164	Phlox divaricata / Woodland Phlox		#1 Pot / 30cm cp.	
	60	Symphytichum oolentangense / Sky Blue Aster		#1 Pot / 50cm sp.	



1
L2
PLANTING PLAN
1:400



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- LIMIT OF WORK
- EXISTING TREES AND HEDGEROW CANOPY (REFER TO NOTES)
- CRITICAL ROOTING ZONE (CRZ)
- APPROXIMATE CANOPY AT 40 YEARS
- PROPOSED TREE
- EXTENT OF GROWING MEDIUM



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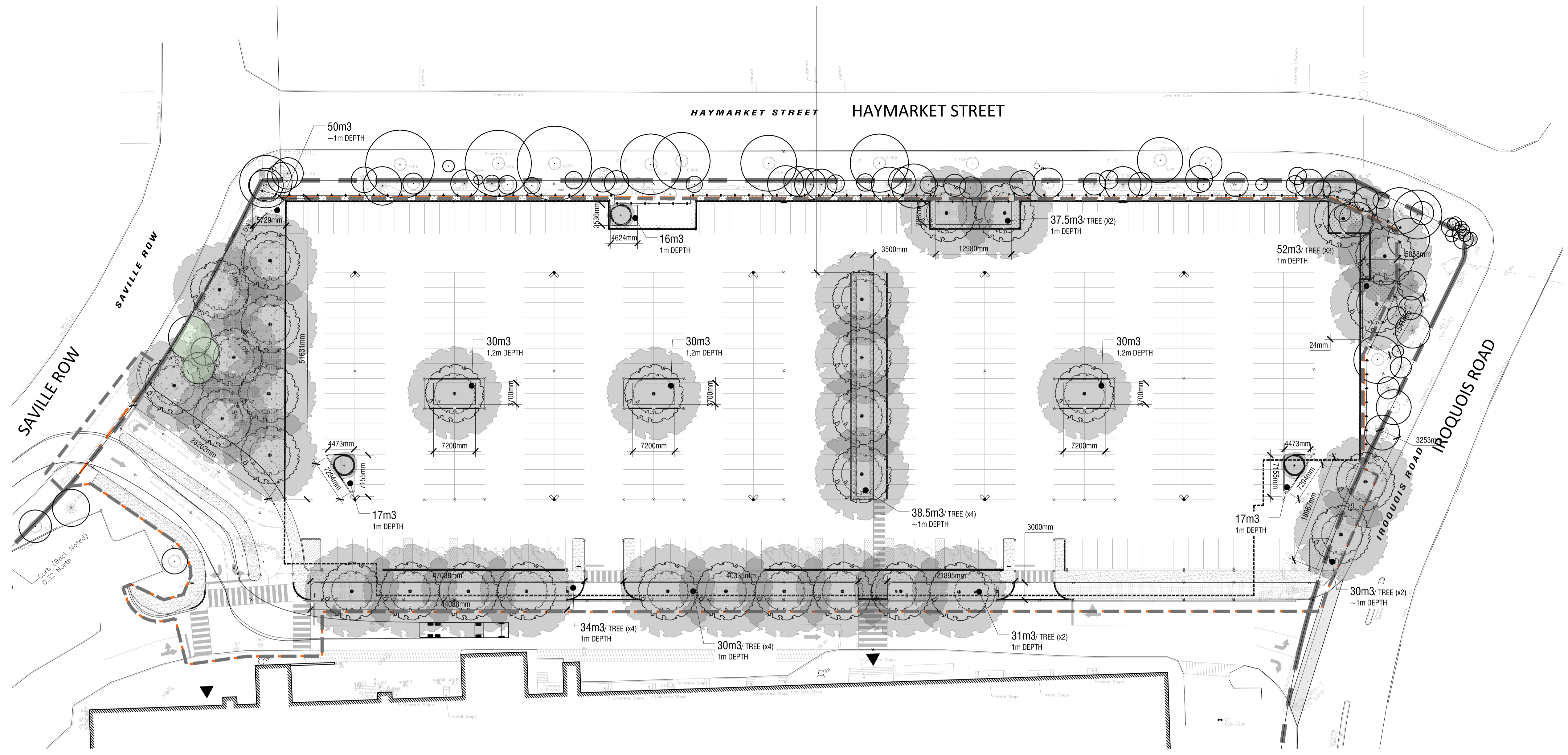
project / projet
2085 CARLING AVENUE
CARLINGWOOD MALL NORTH PARKING
STRUCTURE DEMOLITION & REDESIGN

drawing / dessin
TREE 40YR PROJECTED
CANOPY COVER AND SOIL
VOLUME PLAN

designed / conçu **ST / DF** drawn / dessiné **ST** reviewed / examiné **DF**

date **SEPT 2025** project number / No. du projet

drawing number / No. du dessin
L3



1 TREE 40YR PROJECTED CANOPY COVER AND SOIL VOLUME PLAN
L3 1:400

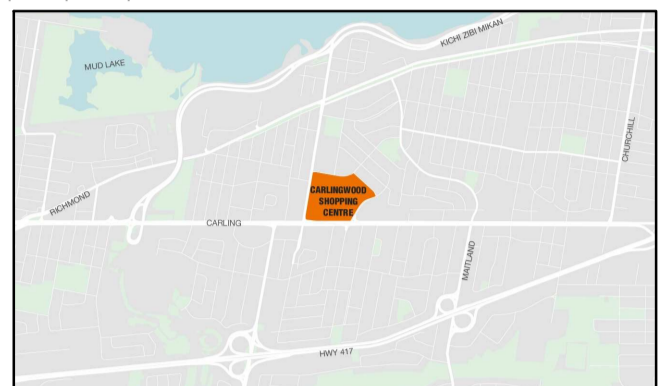
PROPOSED TREE CANOPY PROJECTIONS (40 DEEP) & SOIL VOLUME REQUIREMENTS

CANOPY PROJECTIONS (NTS)	AVERAGE CROWN AREA PER TREE (m ²)	QTY OF TREES	TOTAL TREE CANOPY COVERAGES	PROPOSED CANOPY COVERAGE	SOIL VOLUME REQUIREMENT*	CONTINUOUS SPACE SOIL VOLUME (i.e. 2 TREES/1 GREENSPACE)
SMALL DECIDUOUS TREE (AVG. CANOPY DIAMETER = 4.5m)	16m ²	3	48m ²	6480m ²	25m ³ 4100mm	30m ³ 8000mm
MEDIUM DECIDUOUS TREE (AVG. CANOPY DIAMETER = 8.5m)	57m ²	0	0m ²	64m ²	30m ³ 5000mm	36m ³ 2400mm
LARGE DECIDUOUS TREE (AVG. CANOPY DIAMETER = 16m)	201m ²	32	6,432m ²	14,921m ²	30m ³ 6300mm	36m ³ 2400mm
				TOTAL COVERAGE	30m ³ 3160mm	36m ³ 10000mm
				6,544m ²		
				44%		

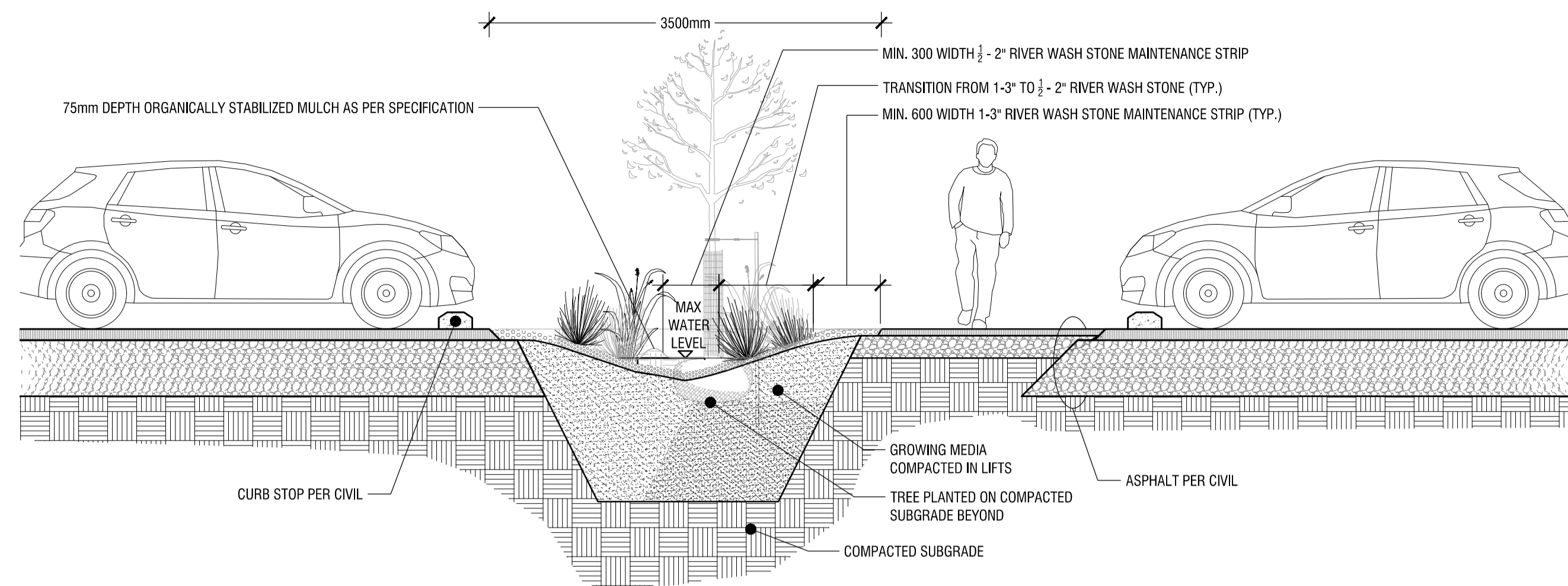
- NOTES:**
- CALCULATIONS HAVE BEEN MADE TO PROJECT A 40 YEAR HORIZON AND TYPICAL GROWTH RATES FOR ALL TREES
 - PROJECTED CANOPY DIAMETERS AND AREAS ARE BASED ON AN AVERAGE OF THE TREES PROPOSED FOR THE SITE
 - PROJECTED CANOPY AREAS FOR EXISTING TREES ARE BASED ON AVERAGE OF THE TREES PLANTED AS PART OF PREVIOUS PHASES
 - OVERLAPPING CANOPIES AREAS FOR EXISTING TREES ARE ONLY COUNTED ONCE WHERE APPLICABLE
 - CANOPY CALCULATION DOES NOT ACCOUNT FOR EXISTING TREE CANOPY ON ADJACENT SITES IN ROW OVERLAPPING SITE
 - CANOPY CALCULATIONS INCLUDE OVERLAPPING OF ADJACENT TREE CANOPIES WHERE APPLICABLE
 - *SOIL VOLUME REQUIREMENT IS BASED ON THE CITY OF OTTAWA'S 'Tree Planting in Sensitive Marine Clay Soils - 2017 Guidelines' DRAFT Version 2.0 DATED JANUARY 11, 2019



key plan / plan repère

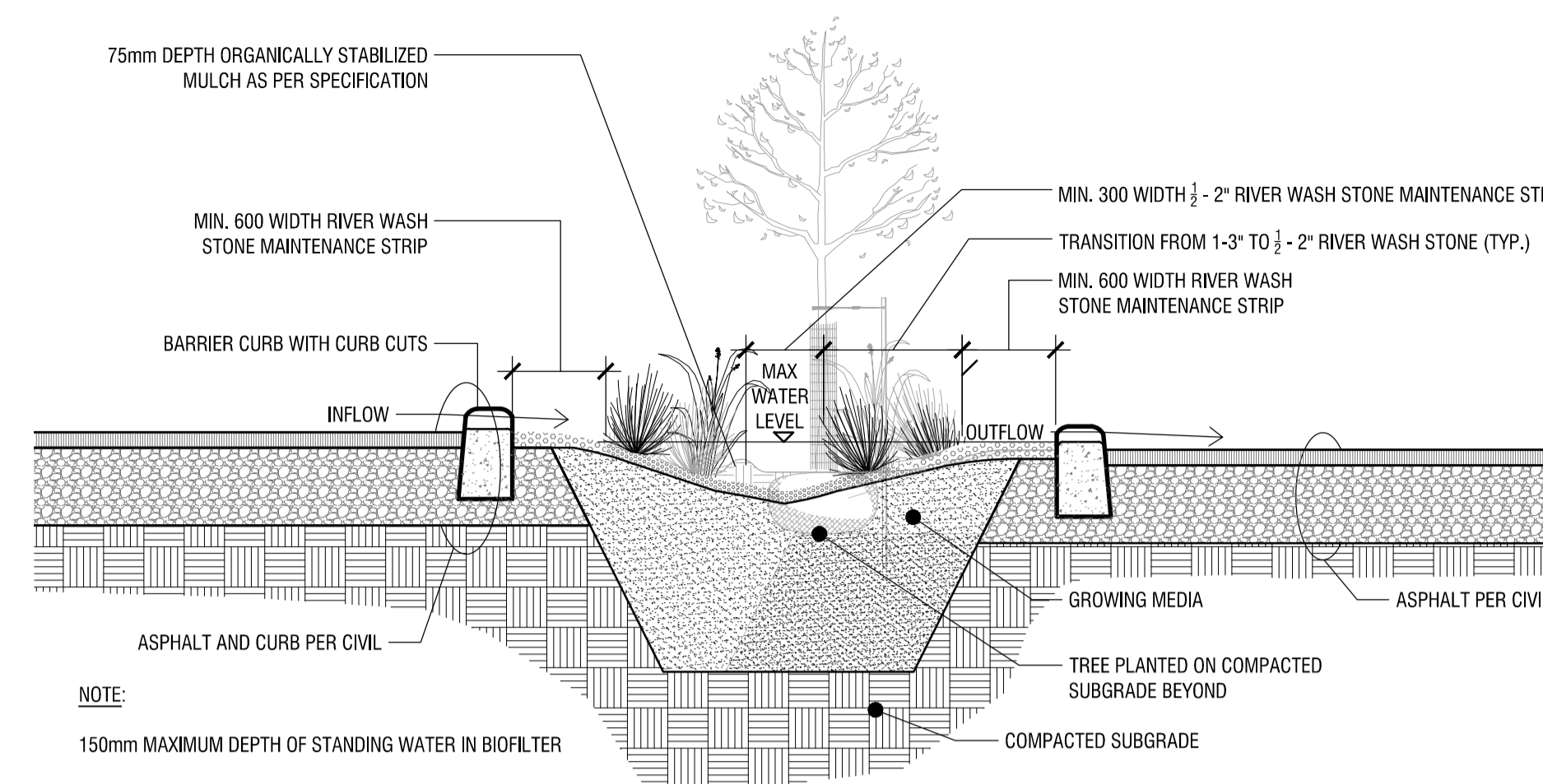


legend / légende



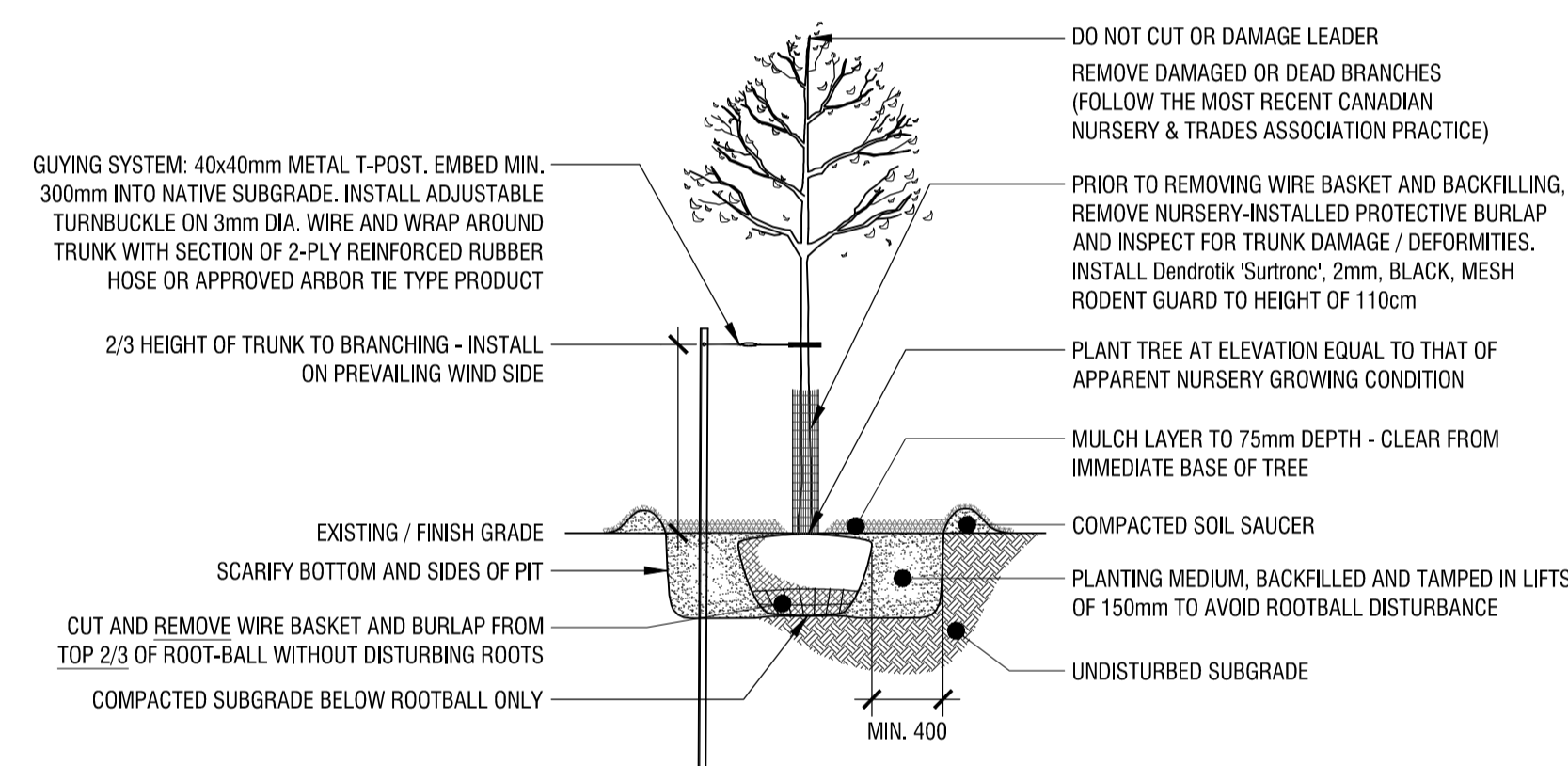
NOTE:
150mm MAXIMUM DEPTH OF STANDING WATER IN SWALES

1 BIOSWALE DETAIL
L3 n.t.s.

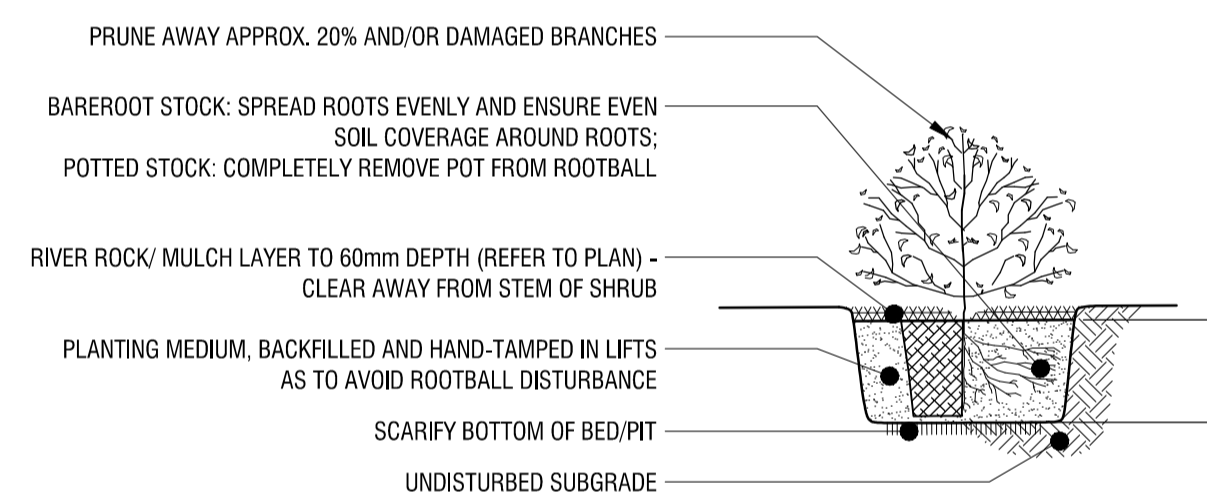


NOTE:
150mm MAXIMUM DEPTH OF STANDING WATER IN BIOFILTER

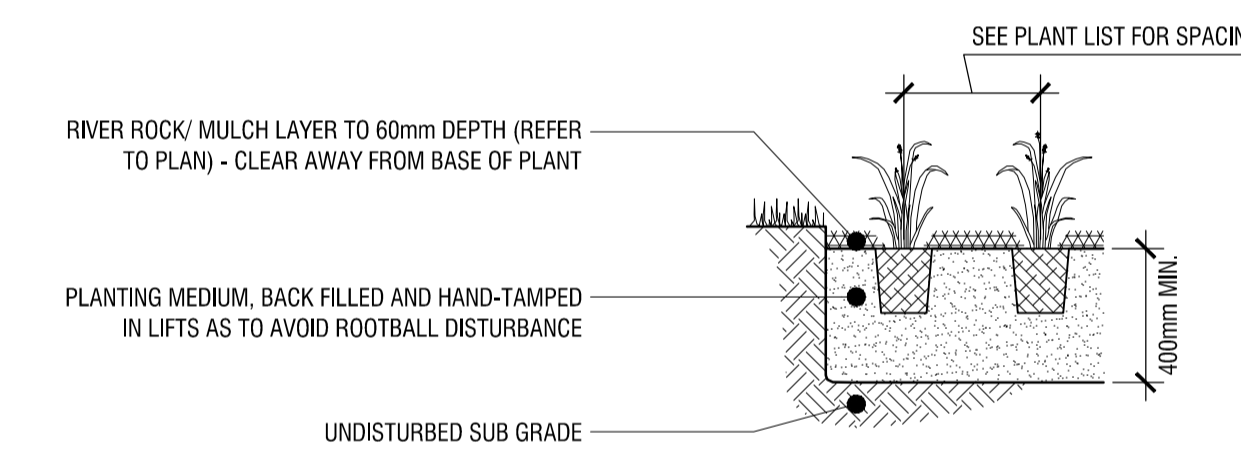
2 TREED BIOFILTER MEDIAN
L3 n.t.s.



3 TREE PLANTING DETAIL
L3 n.t.s.



4 SHRUB PLANTING DETAIL
L3 n.t.s.



5 PERENNIAL PLANTING DETAIL
L3 n.t.s.

rev'n	description / la description	yyyy/mm/dd
06	re-issue for site plan application	2026/06/22
05	re-issue for site plan application	2026/06/04
04	issue for tender	2026/05/08
03	re-issue for site plan application	2026/05/06
02	re-issue for site plan application	2026/04/27
01	re-issue for site plan application	2026/04/17
00	issue for site plan application	2026/03/09

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CONSTRUCTION DETAILS

designed / conçu	drawn / dessiné	reviewed / examiné
ST / DF	ST	DF
date	project number / No. du projet	
SEPT 2025		

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L4