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PROPERTY INFORMATION:

PLAN OF SURVEY	BLOCK 140 REGISTERED PLAN 4M-1544
CITY OF OTTAWA	CITY OF OTTAWA
SURVEYOR	ANNIS, O'SULLIVAN, VOLLEBEKK LTD.

PROPOSED SITE PERMEABLE SURFACES:

SITE AREA (m²)	27311.7
PERMEABLE AREA (m²)	6652.0
PERCENTAGE PERMEABLE AREA (%)	24.4%

ESTIMATED 40 YEAR CANOPY PROJECTION:

SITE AREA (m²)	27311.7
CANOPY AREA WITHOUT OVERLAPS (m²)	2625.4
CANOPY AREA PERCENTAGE (%)	9.6%

GENERAL NOTES:

- LANDSCAPE ARCHITECT AND/OR LANDSCAPE CONSULTANT HEREIN REFERS TO URBANTYPOLOGY INC.
- ALL PLANS IN METRIC UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROTECT ALL EXISTING ROADS, RIGHT OF WAYS, SIDEWALKS, CURBS, AND OTHER SITE ELEMENTS DURING CONSTRUCTION. AREAS DAMAGED DURING CONSTRUCTION TO BE REINSTATED AT CONTRACTOR'S OWN EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL SERVICES PRIOR TO ANY EXCAVATION. SHOULD CONFLICTS WITH SERVICES BE FOUND, CONTRACTOR TO NOTIFY LANDSCAPE CONSULTANT IMMEDIATELY. DAMAGE TO ANY SERVICES, BOTH ON AND OFF PROJECT SITE, TO BE REPAIRED AT CONTRACTOR'S OWN COST.
- ALL PLANT MATERIAL TO HAVE A 2 YEAR WARRANTY, FROM THE DATE OF SUBSTANTIAL COMPLETION.
- ALL PLANT MATERIAL SHALL BE NURSERY STOCK GROWN IN SAME HARDINESS ZONE AS PROJECT SITE.
- DECIDUOUS TREES TO HAVE MIN. 1800mm CLEAR STEM ABOVE GRADE.
- PROPOSED PLANT SUBSTITUTION REQUESTS ARE REQUIRED TO BE SUBMITTED TO THE LANDSCAPE CONSULTANT FOR REVIEW PRIOR TO SOURCING. PROPOSED SUBSTITUTIONS TO DEMONSTRATE EQUIVALENT CHARACTERISTICS.

REMOVALS AND PROTECTION NOTES:

- CONTRACTOR TO USE HYDROVAC AND HAND PRUNING TO ENSURE SUITABLE CONDITIONS FOR ROOT PRUNING.
- ROOTS OR BRANCHES THAT EXTEND BEYOND PRESCRIBED TREE PROTECTION ZONE SHOULD BE PRUNED BY A QUALIFIED ARBORIST (ISA CERTIFIED OR EQUIVALENT) OR OTHER TREE PROFESSIONAL AS APPROVED BY THE CITY OF OTTAWA. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH GOOD ARBORICULTURAL STANDARDS.
- TREES SHALL BE INSPECTED BY THE LANDSCAPE CONSULTANT OR CITY FORESTER REGULARLY FOR DAMAGE INCURRED DURING CONSTRUCTION TO ENSURE APPROPRIATE PRUNING OR OTHER MEASURES ARE IMPLEMENTED.
- TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR WILL BE REMOVED AND REPLACED WITH TREES OF AN EQUIVALENT SIZE AND SPECIES AS APPROVED BY THE LANDSCAPE ARCHITECT OR CITY OF OTTAWA.
- ALL DISTURBED AREAS TO BE RESTORED TO FINISHED CONDITION WITH 150MM TOPSOIL AND SOD OR SEED AS INDICATED.
- ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW REMOVAL WITH LANDSCAPE ARCHITECT AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
- IF CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES IS SPECIFIED, FOLLOW APPROPRIATE DETAILS AS DIRECTED BY LANDSCAPE ARCHITECT.
- INSTALL TREE PROTECTION FENCE TO SATISFACTION OF THE LANDSCAPE CONSULTANT. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT OR UPON WRITTEN AUTHORIZATION FROM THE LANDSCAPE CONSULTANT.

SOIL VOLUME TARGETS:

TREE SIZE	SOIL VOLUME TARGETS	GRAPHIC
SMALL	(A) 20m³ SINGLE TREE (B) 9m³ MULTIPLE GROUPED TREES (C) 25m³ IN SENSITIVE MARINE CLAY	
MEDIUM	(D) 25m³ SINGLE TREE (E) 15m³ MULTIPLE GROUPED TREES (F) 30m³ IN SENSITIVE MARINE CLAY	
LARGE	(G) 30m³ SINGLE TREE (H) 18m³ MULTIPLE GROUPED TREES	
CONIFER	(D) 25m³ SINGLE TREE (E) 15m³ MULTIPLE GROUPED TREES	
SOIL VOLUME TARGETS ARE PROJECTED AT: 1.0m DEPTH IN NON-MARINE CLAY SOILS, AND 1.5m DEPTH IN SENSITIVE MARINE CLAY SOILS		

ESTIMATED 40 YR. CANOPY PROJECTIONS:

TREE SIZE	AVERAGED TREE CANOPY AREA (m²) - USED FOR VALIDATION INFO.	GRAPHIC
SMALL	20.0m² CANOPY / TREE	
MEDIUM	38.0m² CANOPY / TREE	
LARGE	64.0m² CANOPY / TREE	
CONIFER	20.0m² CANOPY / TREE	

MINIMUM TREE PLANTING SETBACKS

CITY OF OTTAWA STANDARD ROW CROSS SECTIONS SHALL TAKE PRECEDENCE, WHERE NOT OTHERWISE DEFINED BY CODES OR BYLAWS, MINIMUM SETBACKS ARE AS FOLLOWS:	
STREET LIGHTS (LARGE TREES) - N/A	4.5m
STREET LIGHTS (SMALL TREES)	2.5m
HYDRO TRANSFORMERS	3.0m
PUBLIC STREETS	2.5m
SIDEWALKS, DRIVEWAYS, FENCES, NOISE BARRIERS	1.5m
FOR CONIFERS FROM PAVED SURFACES	4.5m
FIRE HYDRANTS	2.5m
UNDERGROUND SERVICES & UTILITIES	1.5m
TELECOM / CABLE PEDESTALS	1.0m

SUMMARY OF PRESENT SOILS:

NON-MARINE CLAY	NO
LOW TO MEDIUM SENSITIVITY SILTY CLAY	YES
HIGH SENSITIVITY SILTY CLAY	YES

TREE PLANTING IN MARINE CLAY SOILS:

THE LANDSCAPE ARCHITECT INTENDS, BELIEVES AND HAS MADE REASONABLE EFFORT TO CONFORM WITH THE TREE-TO-FOUNDATION SETBACKS, SOIL VOLUMES, AND SURFACE-GRADING REQUIREMENTS OUTLINED IN:

- THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), AND
- GEOTECHNICAL REPORT BY:

- SECTION 6.8, PATERSON GROUP (REPORT PG2392-3 REVISION 2, DATED NOVEMBER 10, 2025).

TREE CONSERVATION REPORT:

TREE NO.	BOTANICAL NAME	COMMON NAME	DBH (cm)	OWNERSHIP	CONDITION	COMMENTS	ARBORIST RECOMMENDATION	REMOVAL REASON
1					MISSING			
2	PRUNUS SP.	CHERRY SP.	6	CITY	POOR	ASYMETRICAL CANOPY, SINGLE STEM, PRUNED CENTRAL LEADER, NUMEROUS EPICORMIC SPROUTS.	REMAIN	N/A
3					MISSING			
4	SYRINGA RETICULATA	JAPANESE TREE LILAC	3@5	CITY	POOR	ASYMETRICAL CANOPY, MULTISTEM, PRUNED CENTRAL LEADER, SEVERE DAMAGE TO BARK AT TRUNK FLARE.	REMOVE	CONFLICT WITH PROP. WALKWAY
5	PRUNUS SP.	CHERRY SP.	12	CITY	GOOD	SYMETRICAL CANOPY.	REMAIN	N/A
6					MISSING		REMAIN	N/A
7	SYRINGA RETICULATA	JAPANESE TREE LILAC	7	CITY	GOOD	SYMETRICAL CANOPY, DAMAGE TO BARK AT TRUNK FLARE.	REMAIN	N/A
8	PRUNUS SP.	CHERRY SP.	5	CITY	POOR	CENTRAL LEADER HAS BEEN CUT TO APPROX 0.9M ABOVE GRADE, NUMEROUS EPICORMIC SPROUTS.	REMAIN	N/A
9					MISSING			
10					MISSING			
11					MISSING			
12					MISSING			
13					MISSING			
14					MISSING			
15	PICEA GLAUCA	WHITE SPRUCE	11	CITY	MODERATE	SYMETRICAL CANOPY, SINGLE STEM, <10% DIEBACK OF CANOPY.	REMAIN	N/A
16	PICEA GLAUCA	WHITE SPRUCE	7	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM, CORRECTED LEAN.	REMAIN	N/A
17	PICEA GLAUCA	WHITE SPRUCE	4	CITY	POOR	SYMETRICAL CANOPY, SINGLE STEM, CENTRAL LEADER HAS BEEN CUT TO APPROX 0.6M ABOVE GRADE.	REMAIN	N/A
18	PICEA GLAUCA	WHITE SPRUCE	11	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM.	REMAIN	N/A
19	QUERCUS MACROCARPA	BUR OAK	8	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM.	REMAIN	N/A
20	QUERCUS MACROCARPA	BUR OAK	8	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM.	REMAIN	N/A
21	QUERCUS MACROCARPA	BUR OAK	8	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM.	REMAIN	N/A
22	PICEA PUNGENS	COLORADO SPRUCE	11	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM, <5% DIEBACK OF CANOPY.	REMAIN	N/A
23	PICEA PUNGENS	COLORADO SPRUCE	10	CITY	MODERATE	SYMETRICAL CANOPY, SINGLE STEM, <20% DIEBACK OF CANOPY.	REMAIN	N/A
24	PICEA PUNGENS	COLORADO SPRUCE	13	CITY	GOOD	SYMETRICAL CANOPY, SINGLE STEM.	REMAIN	N/A
25	PICEA GLAUCA	WHITE SPRUCE	10	CITY	MODERATE	SYMETRICAL CANOPY, SINGLE STEM, <10% DIEBACK OF CANOPY.	REMAIN	N/A
26					MISSING			

SOIL VOLUME AND CANOPY COVER BY PLAN REGION:

AREA NO.	TREE QUANTITIES	PROVIDED SOIL AREA (m²)	PROVIDED SOIL VOLUME (m³)	OTTAWA TARGET SOIL VOLUME (m³)	PERCENTAGE SOIL VOLUME PROVIDED VS TARGET	ESTIMATED 40YR. CANOPY PROJECTION
EX.	SUM OF TREES SIZES	VALUE A	VALUE B = VALUE A X SOIL DEPTH	VALUE C	VALUE B / VALUE C X 100%	SUM OF CANOPY AREAS - OVERLAPS
1	2 SMALL	70.5	105.8	50	211.5%	40.0
2	2 SMALL	80.0	120.0	50	240.0%	80.0
3	3 MEDIUM	192.5	288.8	90	320.8%	110.0
4	6 SMALL 4 MEDIUM	383	574.5	240	239.4%	247.0
5	6 SMALL 3 MEDIUM	395	592.5	240	246.9%	246.0
6	1 MEDIUM	20.0	30.0	30	100.0%	38.0
7	1 MEDIUM	21.6	32.4	30	108.0%	38.0
8	1 MEDIUM 5 MEDIUM	289.0	433.5	175	247.7%	201.4
9	2 MEDIUM	209.0	313.5	60	522.5%	73.7
10	3 MEDIUM	204.6	306.9	90	341.0%	109.0
11	1 SMALL	19.6	29.4	25	117.6%	20.0
12	2 MEDIUM	145.8	218.7	110	198.8%	112.0
13	5 MEDIUM					





