

# SOIL AVAILABILITY CALCULATION

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume* (cu m)	No. of trees proposed			Total No. of trees	Min. required Soil volume total (cu m)
			Small (min. 25m³ soil for single & 15m³ for shared)	Medium (min. 30m³ soil for single & 18m³ for shared)	Large (min. 35m³ soil for single & 20m³ for shared)		
Planting bed 1	108	162	2			4	66.00
Planting bed 2	52	79		1		1	30.00
Planting bed 3	52	78		1		1	30.00
Planting bed 4	164	246		5		5	90.00
Planting bed 5	51	76		1		1	30.00
Planting bed 6	49	73		1		1	30.00
Planting bed 7	29	43				NA	0.00
Planting bed 8	38	56	1			1	25.00
Planting bed 9	18	28	1			1	25.00
Planting bed 10	17	26	1			1	25.00
Planting bed 11	17	26	1			1	25.00
Planting bed 12	441	661	2	4	1	6	122.00
Planting bed 13	134	200		6		6	108.00
Planting bed 14	351	527	5	5		10	165.00
Planting bed 15	143	214		3		3	54.00

\*Note 1: For all planting beds proposed, the available soil depth is considered to be 1.5m due to clay soil conditions.

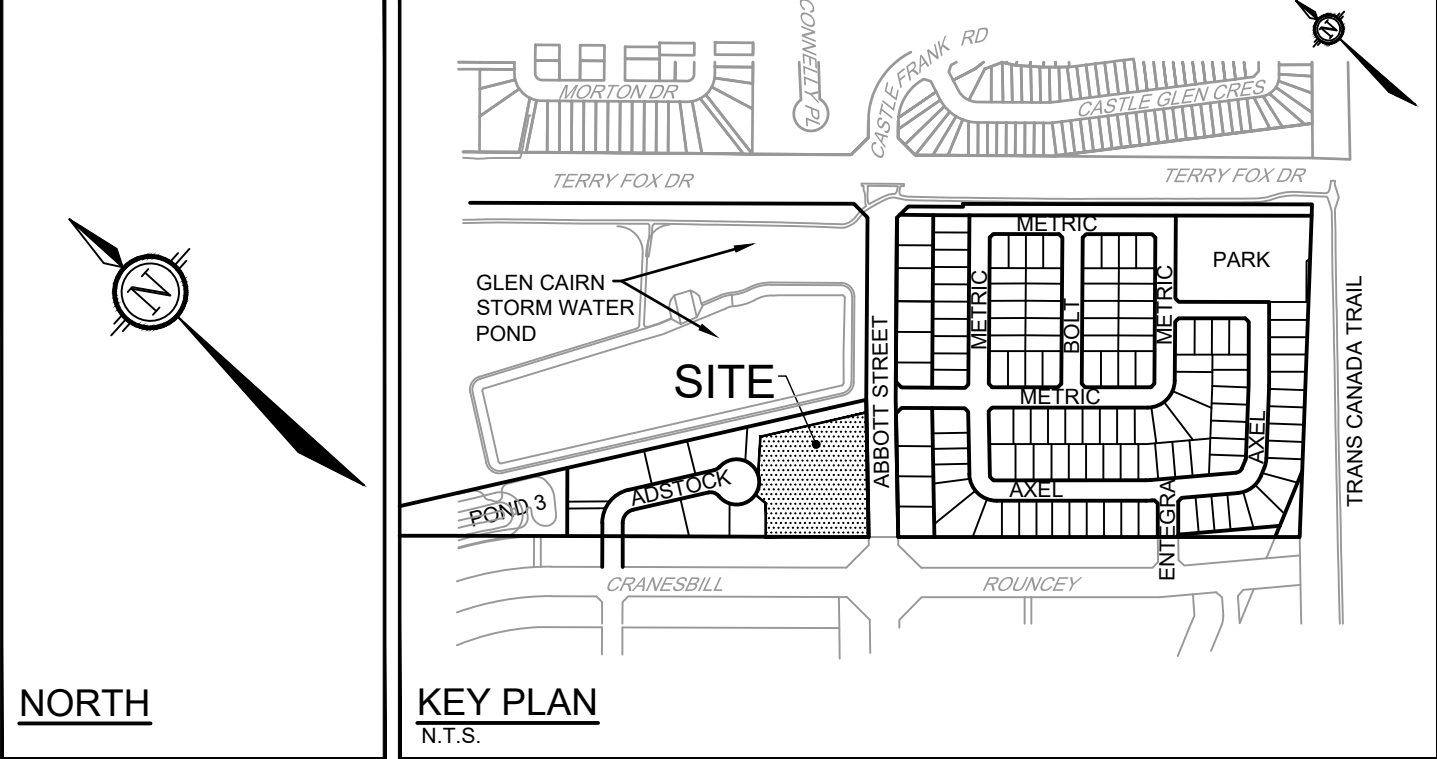
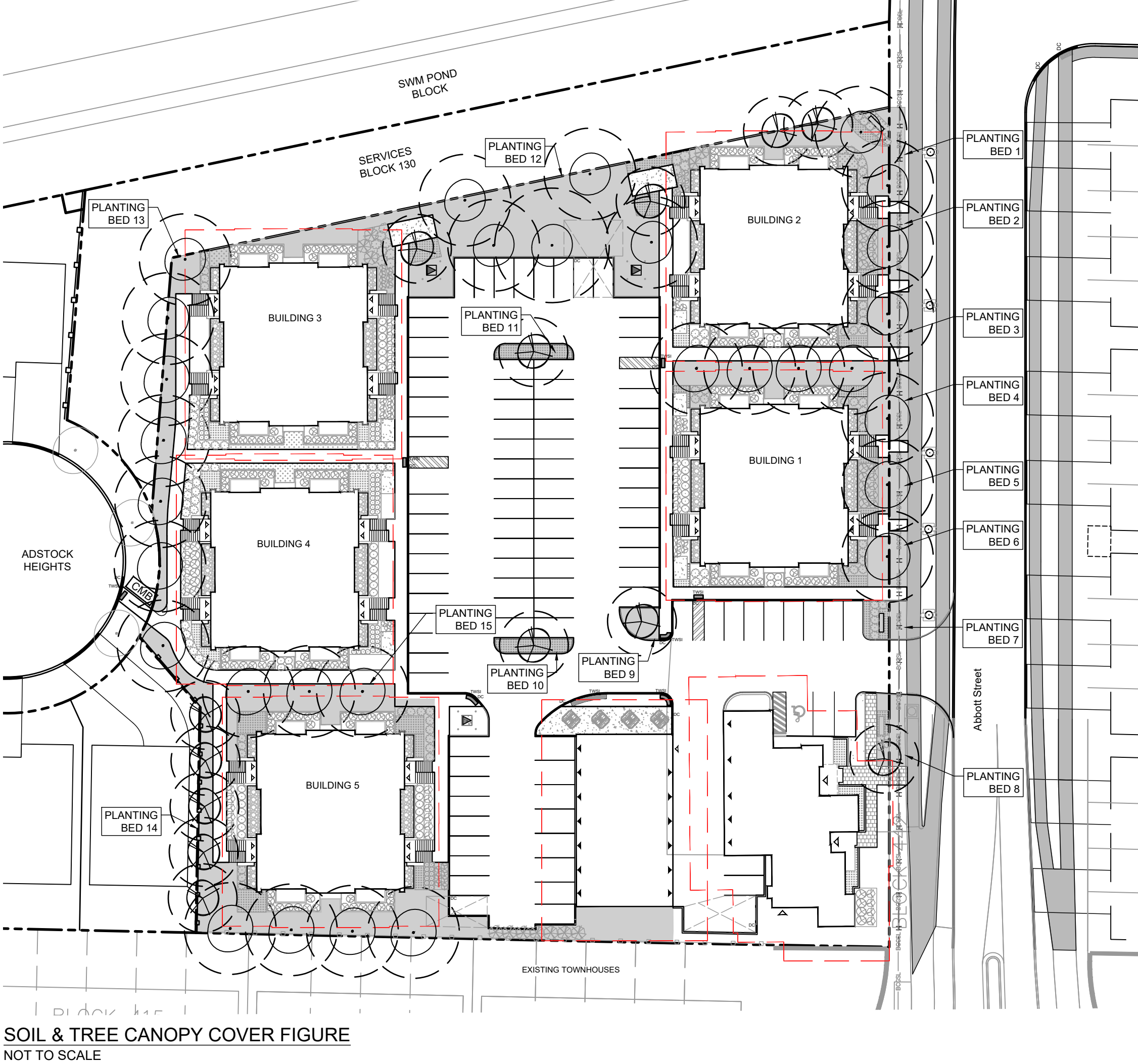
# CANOPY COVERAGE CALCULATION

PROPOSED CANOPY COVERAGE AT MATURITY				
SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY (m2)	QUANTITY OF TREES	TOTAL CANOPY COVERAGE (m2)
Deciduous trees- Small	4.5m	16	13	208
Deciduous trees- Medium	12m	79	29	2291
Deciduous trees- Large	15m	177	1	177
TOTAL PROPOSED CANOPY COVERAGE (m2):				2,499
TOTAL SITE AREA (m2):				8,155
EST. PROPOSED CANOPY COVERAGE (%):				31%

1. Area of a circle =  $(\pi \times r^2)$

2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x  $\pi$

3. ROW trees along Abbott Street have not been counted under the retained canopy coverage category.



# LEGEND

- PROPERTY LIMIT
- PROPOSED CONCRETE
- RIVER STONE
- SOIL AVAILABILITY
- PERENNIALS
- ORNAMENTAL GRASSES
- PROPOSED DECIDUOUS TREE
- EXISTING TREES TO REMAIN
- PROPOSED TREE PROTECTION FENCE
- CANOPY COVER OF TREES AT MATURITY
- PROPOSED SHRUBS
- PROPOSED WOOD PRIVACY FENCE 1.8m HT
- EXISTING WOOD PRIVACY FENCE 1.8m HT (BY OTHERS)
- 4.5m TREE SETBACK FROM THE BUILDING, PER GEOTECH REPORT

# GENERAL

- Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical, electrical, environmental, geotechnical, and survey information.
- The Contractor is to determine the exact location, size, material, and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the drawings.
- It is essential to use the plans and details in conjunction with the specifications and notes.
- Do not scale drawings. Work to dimensions only.
- Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
- Reinstate all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to construction staging areas, haul roads, stockpile areas, etc. to the satisfaction of the Consultant. Unless otherwise noted, Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.

# CONSTRUCTION

- All general site information and conditions are compiled from Consultant field notes and plans provided by the Owner and are supplied for information purposes only. It is the responsibility of the Contractor to verify the accuracy of all the information obtained from this plan.
- Together with all Subcontractors involved, the Contractor is to examine all surfaces or conditions relating to the work, in order to determine the acceptability of such surfaces or conditions for the work to commence. Notify the Contract Administrator in writing of conditions which could be detrimental to installation and do not commence work until instructed by the Contract Administrator. The commencement of work implies Contractor acceptance of the conditions.
- Contractor to check and report any discrepancies before commencing work. No responsibility is borne by the Consultants for subsurface conditions.
- Contractor to check and verify all dimensions and quantities on site and report any errors or omissions to the Consultant.
- Contractor is responsible for all fees arising from the completion of works conveyed by these drawings, details, and specifications.
- Carry out all construction in accordance with the most current provincial and municipal standards and specifications.
- Contractor to coordinate all access and protect the public and users of the site with appropriate control fence and supervision throughout the construction period, to the satisfaction of the Consultant.
- Contract Administrator is to approve access point(s) prior to mobilization.
- A Contractor flagman is required to direct all deliveries of machinery or materials to the site.
- Contractor to coordinate and schedule all work with other trades and contractors. Contractor is to notify Contract Administrator of any schedule difficulties.
- Contractor responsible for the removal and off-site disposal of all materials as required to facilitate new construction. Store all items and materials identified by the Consultant for salvage at a location on site as identified by the Consultant. Excavate and remove from site any contaminated material. Dispose all contaminated material at a licensed landfill facility.
- Maintain site in a clean and orderly state for the duration of construction; perform all work in accordance with the Occupational Health and Safety Act. Remove all excess materials, packaging, and debris from the site.
- Contractor is responsible to take all necessary measures to control dust on the project site and to the satisfaction of the Contract Administrator.
- Contractor is responsible for all layout for construction purposes.
- Contractor is to protect all iron bars. Replace any disturbed bars by Owner at the Contractor expense.
- The Contractor is to notify the Contract Administrator upon completion of the required works to schedule an inspection for acceptance.

PRELIMINARY

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NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

Owner:  
SPB Developments Inc.  
c/o Shuman Barrer at Metric Homes  
4829 Abbott Street East  
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Phone: (613) 301-7792

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& Landscape Architects,  
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Architect  
Hobin Architecture Inc.  
63 Pamela Street,  
Ottawa, ON K1S 3K7  
Phone: (613) 651-8954

Surveyor:

# DISCLAIMER:

The elements on this plan illustrate the design intent and general constructability of the proposed landscape which will support the associated development. This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan will be met through tree planting and site design. This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	JUN 12/25	RGJ
1.	ISSUED FOR COORDINATION	JUN 5/25	RGJ

# SCALE

1:200

0 2 4 6 8

DESIGN	TCB
CHECKED	RGJ
DRAWN	TCB
CHECKED	RGJ
APPROVED	RGJ

# FOR REVIEW ONLY



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4829 ABBOTT STREET EAST, KANATA

DRAWING NAME  
LANDSCAPE DETAILS  
CANOPY COVERAGE AND SOIL  
AVAILABILITY CALCULATIONS

PROJECT No.	110037
REV	REV # 2
DRAWING No.	110037-B123-L2