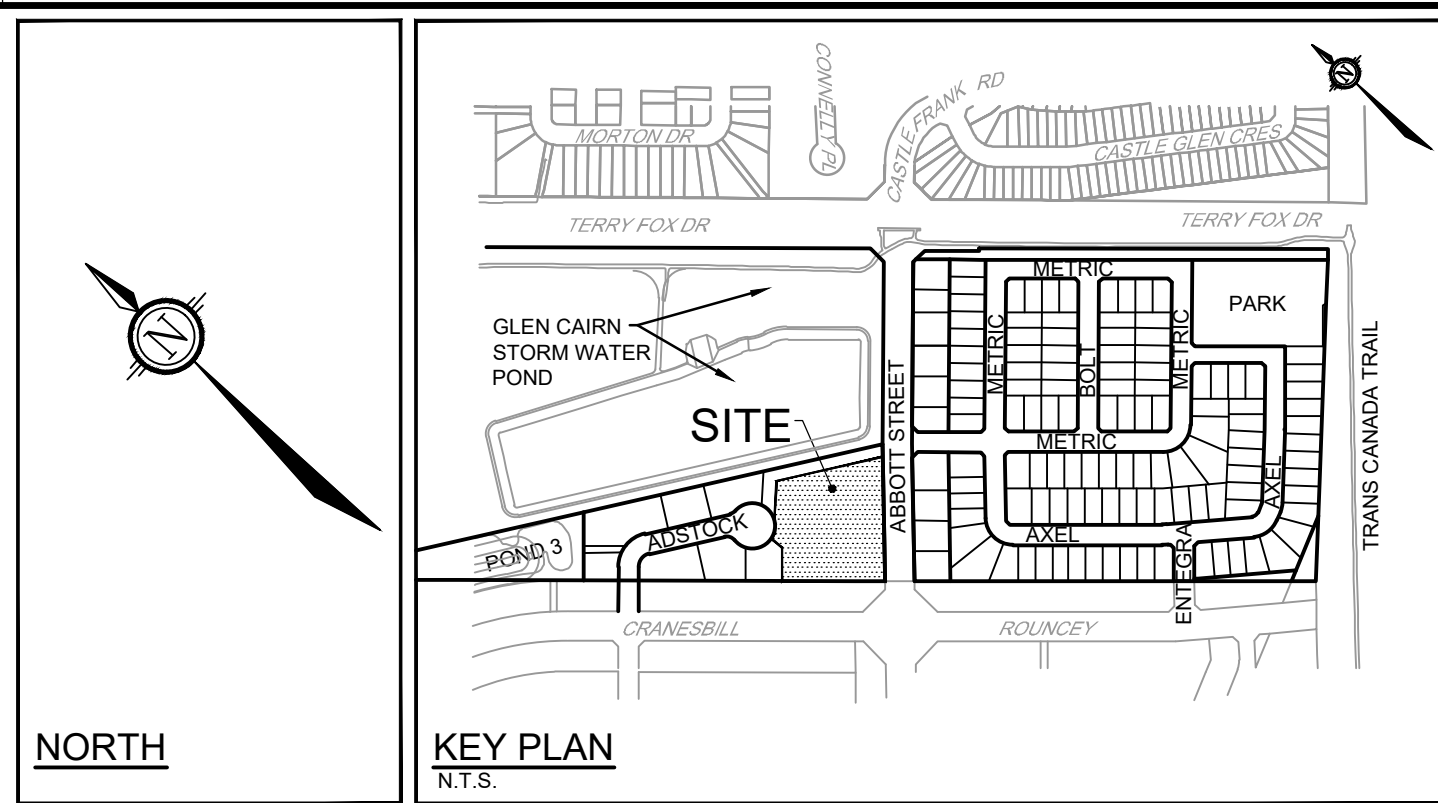


CITY DETAILS
 Related details from City of Ottawa Standard Tender Documents
 Volume No. 2 Standard Detail Drawings.

SC4. Typical Concrete Sidewalk in Boulevard
 SC5. Sidewalk Construction Joints

NOVATECH DETAILS
 Found on Sheet L2.

D1. Standard Deciduous Tree Planting
 D2. Standard Coniferous Tree Planting
 D3. Shrub and Perennial Planting
 D4. Tree Protection Fence
 D5. Wood Screen Detail
 D6. Bike Layout



LEGEND

3-D1	NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
[Symbol]	PROPERTY LIMIT
[Symbol]	PROPOSED CONCRETE
[Symbol]	PROPOSED PAVERS
[Symbol]	RIVER STONE
[Symbol]	SOD
[Symbol]	PERENNIALS
[Symbol]	ORNAMENTAL GRASSES
[Symbol]	PROPOSED DECIDUOUS TREE
[Symbol]	PROPOSED TREES (BY OTHERS)
[Symbol]	EXISTING TREES TO REMAIN
[Symbol]	EXISTING TREES TO BE REMOVED
[Symbol]	PROPOSED TREE PROTECTION FENCE
[Symbol]	PROPOSED SHRUBS
KEY ##	SPECIES (SEE PLANT LIST)
[Symbol]	QUANTITY
[Symbol]	PROPOSED WOOD PRIVACY FENCE 1.8m HT
[Symbol]	EXISTING WOOD PRIVACY FENCE 1.8m HT (BY OTHERS)
[Symbol]	4.5m TREE SETBACK FROM THE BUILDING, PER GEOTECH REPORT
[Symbol]	BENCHES
[Symbol]	BIKE RACKS
[Symbol]	EXISTING STREET LIGHTS

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.

PLANTING

- Plant material to be No. 1 Grade and is to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association.
- Use structurally sound plant material with strong fibrous root system free of disease, defects and injuries. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at source prior to digging. All trees and shrubs to be container grown, potted, with or without, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
- Plant material substitutions are not to be permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
- Plant locations are schematic/ approximate only. Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation.
- The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified.
- Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
- In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
- Approved topsoil depths are as follows:
 - a. Plant Beds - 450mm continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
 - b. Sod/ Seed Areas - 100mm depth.
 - c. Reforestation - 300mm depth.
- Sod to be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source are to comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Association.
- Apply the following mineral fertilizer unless soil tests show other requirements:
 - a. Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
 - b. Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha.
- Where applicable for any plant areas with a mix of species/ cultivars notes, Contractor is to cluster like plants in groups of 3-5 and evenly distribute these in the noted area.

PROPOSED PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	NATIVE/ NON-NATIVE*
Deciduous Trees (Large)							
GBA	4	<i>Quercus bicolor</i> 'Autumn Glow'	Autumn Glow Group	50cm Cal	WB	As Shown	Non-Native
GTK	2	<i>Gleditsia inaequalis</i> var. 'nervosa' 'Stylocol'	Stylocol Honeylocust	50cm Cal	WB	As Shown	Native
Deciduous Trees (Medium)							
ARU	4	<i>Acer rubrum</i> 'Autumn Radiance'	Autumn Radiance Red Maple	50cm Cal	WB	As Shown	Native
ARV	5	<i>Acer rubrum</i> 'Sun Valley'	Sun Valley Red Maple	50cm Cal	WB	As Shown	Native
CGZ	7	<i>Chaetotheca ovalis</i> 'Crown'	Crown Elm	50cm Cal	WB	As Shown	Native
GTU	2	<i>Gleditsia inaequalis</i> var. 'nervosa' 'tricolor'	Imperial Honeylocust	50cm Cal	WB	As Shown	Native
TMH	1	<i>Gleditsia inaequalis</i> var. 'nervosa' 'Sunburst'	Sunburst Honeylocust	50cm Cal	WB	As Shown	Native
Deciduous Trees (Small)							
AC	3	<i>Americanlar canadensis</i> (Single stem)	Shadblow Serviceberry	40cm Cal	WB	As Shown	Native
ALB	4	<i>Americanlar leavis</i> 'Spring Flurry'	Spring Flurry Serviceberry	50cm Cal	WB	As Shown	Native
BPW	1	<i>Betula populifolia</i> 'Whitecap'	Whitecap Birch	50cm Cal	WB	As Shown	Native
Coniferous Shrubs							
JCC	36	<i>Juniperus communis</i> 'Green Carpet'	Green Carpet Juniper	40cm Spc	PT	As Shown	Non-Native
Jwb	44	<i>Juniperus horizontalis</i> 'Widow'	Blue Rug Juniper	30	PT	As Shown	Non-Native
MA	6	<i>Monarda mollis</i>	Blue Star	50cm Spc	PT	50cm O.C.	Non-Native
Txh	12	<i>Taxus media</i> 'Hicks'	Hicks' Yew	100cm BB	PT	As Shown	Non-Native
Deciduous Shrubs							
Ang	14	<i>Anemone nemorosa</i> Ground Hug	Ground Hug Anemone	1g	PT	10cm O.C.	Native
Axl	72	<i>Aster</i> - Low Spine Mount (LCC/WAR/YES)	Low Spine Mount Choleberry	10cm Ht	PT	As Shown	Native
Df	83	<i>Diervilla laticarpa</i> 'Firefly Wiggles'	Firefly Wiggles Bushy Honeylocust (B Medging)	60cm Ht	PT	As Shown	Native
Ph	21	<i>Phlox paniculata</i> 'Suevic'	Fire Valley Phlox	60cm Ht	PT	As Shown	Native
Pxs	13	<i>Rhododaphne</i> 'Snoqualmie'	Snowbelle Mockorange	60cm Ht	PT	As Shown	Non-Native
Sdp	47	<i>Symphoricarpos doorenbosii</i> 'Koolpa'	Firefly Promise Snowberry	50cm Ht	PT	As Shown	Native
Perennials							
ha	50	<i>Hemerocallis</i> 'Lion's Paw'	Lion's Paw Daylily	1g	PT	30cm O.C.	Non-Native
hla	50	<i>Hemerocallis</i> 'Miss Sillia Divo'	Miss Sillia Divo Daylily	1g	PT	30cm O.C.	Non-Native
hlm	50	<i>Hemerocallis</i> 'Parade'	Parade Daylily	1g	PT	30cm O.C.	Non-Native
hls	120	<i>Helleborus</i> 'Sage's Moon'	August Moon Helleborus	1g	PT	As Shown	Native
hmg	40	<i>Hydrangea macrophylla</i>	Endless Summer	1g	PT	30cm O.C.	Native
Ornamental Grasses / Ferns							
sa	50	<i>Stipa pennata</i> 'Aurora'	Autumn Moor Grass	1g	PT	30cm O.C.	Non-Native
scb	120	<i>Scirpus setaceus</i> 'The Blues'	The Blues' Blue Bluestem	1g	PT	30cm O.C.	Native
sh	100	<i>Stipa pennata</i>	Stipa Pennata	1g	PT	30cm O.C.	Native
shg	164	<i>Stipa pennata</i>	Stipa Pennata	1g	PT	30cm O.C.	Native

Proposed Trees - Ownership

Private	35
City-Owned (ROW)	0
Total	35

EXISTING TREES - INVENTORY

No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	<i>Acer saccharum</i>	Sugar Maple	5.0	0.50	F	Public	Mechanical damage to base of stem	PROTECT
2	<i>Acer saccharum</i>	Sugar Maple	5.0	0.50	F	Public	Mechanical damage to base of stem	PROTECT
3	<i>Acer saccharum</i>	Sugar Maple	5.0	0.50	P	Public	Severe mechanical damage at base of stem	PROTECT
4	<i>Acer x freemanii</i>	Freeman Maple cultivar	5.0	0.50	F	Public	Damage to roots from construction activities	PROTECT
5	<i>Gleditsia inaequalis</i> var. 'nervosa'	Thornless Honey Locust	5.0	0.50	F	Public	Mechanical damage to base of stem	PROTECT
6	<i>Acer x freemanii</i>	Freeman Maple cultivar	12.0	1.20	G	Client	Minor stem near base of stem. Lower branches require removal for long term health	COVILT
7	<i>Acer glabrum</i>	Amur Maple cultivar	7.0	0.70	G	Client	Main stem / Small minor wound at base of stem	COVILT

LEGAL DESCRIPTION:
 Block 123, Plan 4M-1616, Ottawa

NOTE:
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Owner:
 SPB Developments Inc.
 c/o Shoen Barrer & Metic Homes
 4829 Abbott Street East
 Kanata, ON K2V 0L4
 Phone: (613) 301-7792

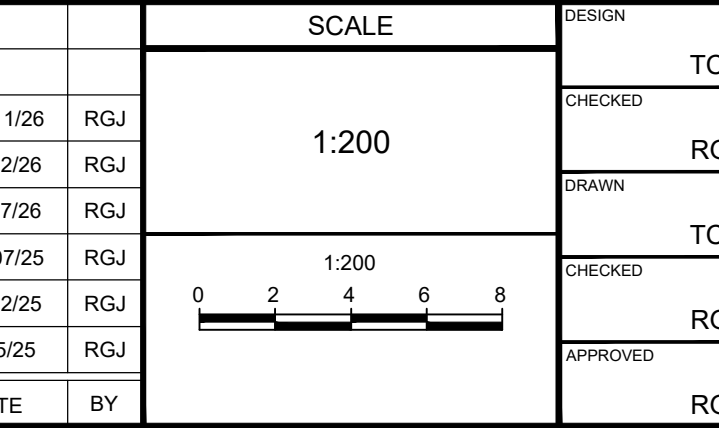
Architect:
 Hobin Architecture Inc.
 c/o Todd Duckworth
 63 Pamela Street,
 Ottawa, ON K1S 3K7
 Phone: (613) 851-8994

Civil:
 Novatech Engineers, Planners & Landscape Architects
 c/o Alex McAuley
 240 Michael Cowpland Drive,
 Ottawa, ON K2M 1P6
 Phone: 613.254.9643

Planning:
 Novatech Engineers, Planners & Landscape Architects
 c/o Miranda Virginlio
 240 Michael Cowpland Drive,
 Ottawa, ON K2M 1P6
 Phone: 613.254.9643

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 company 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
6.	RE-ISSUED FOR SITE PLAN APPLICATION	MAR 11/26	RGJ
5.	ISSUED FOR PATERNON REVIEW	FEB 12/26	RGJ
4.	ISSUED FOR COORDINATION	JAN 27/26	RGJ
3.	RE-ISSUED FOR SITE PLAN APPLICATION	AUG 07/25	RGJ
2.	ISSUED FOR SITE PLAN APPLICATION	JUN 12/25	RGJ
1.	ISSUED FOR COORDINATION	JUN 5/25	RGJ



FOR REVIEW ONLY

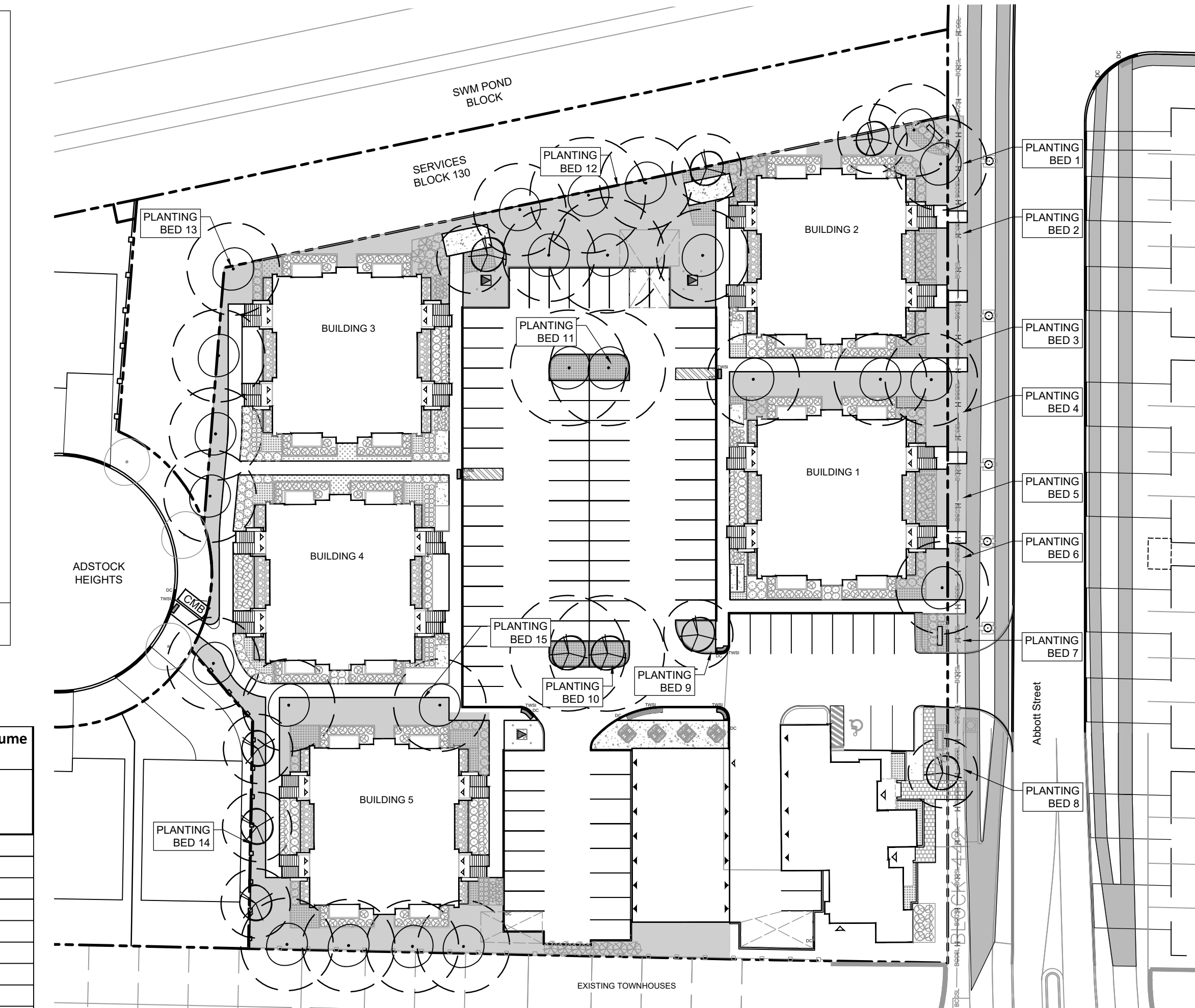
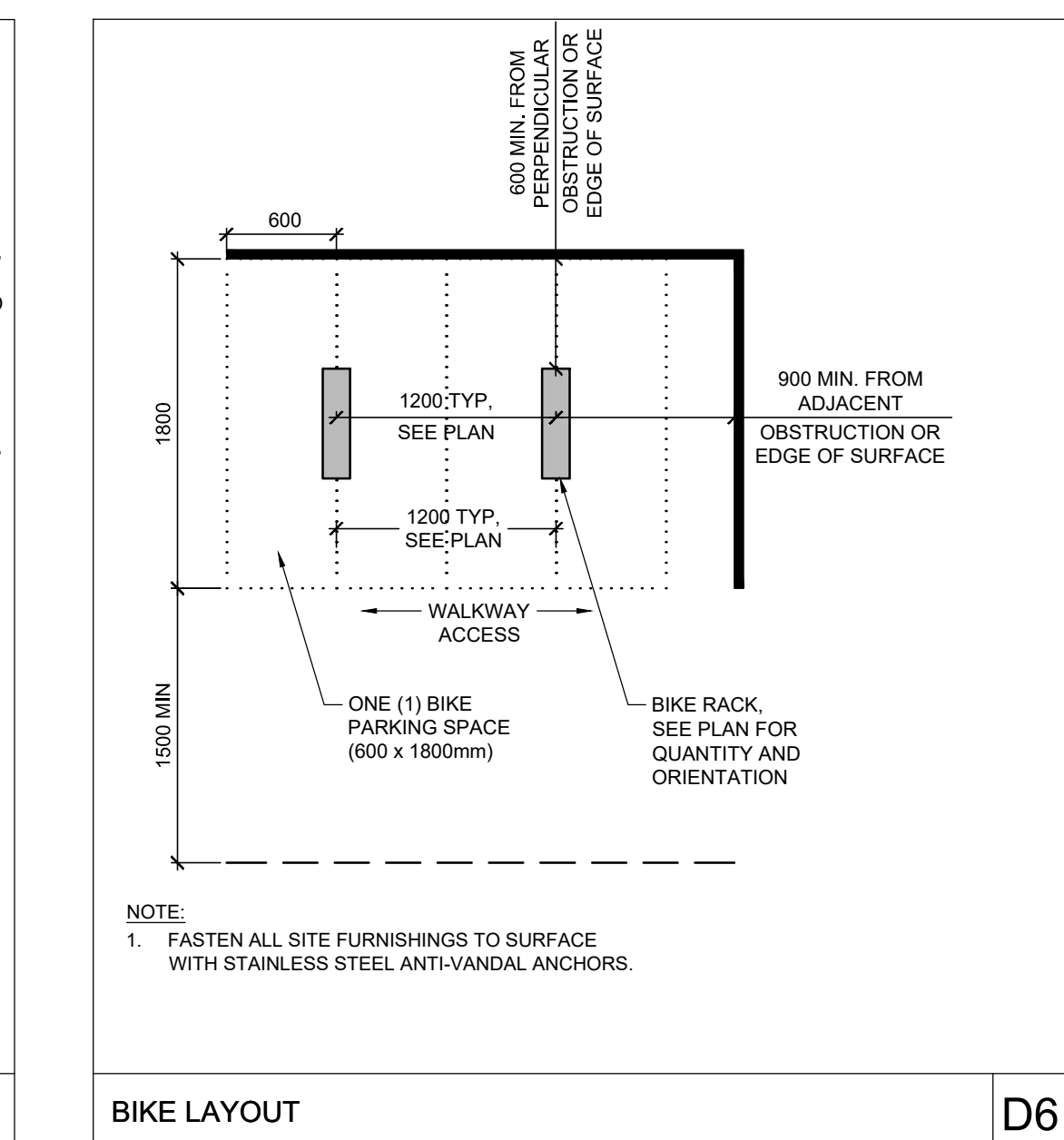
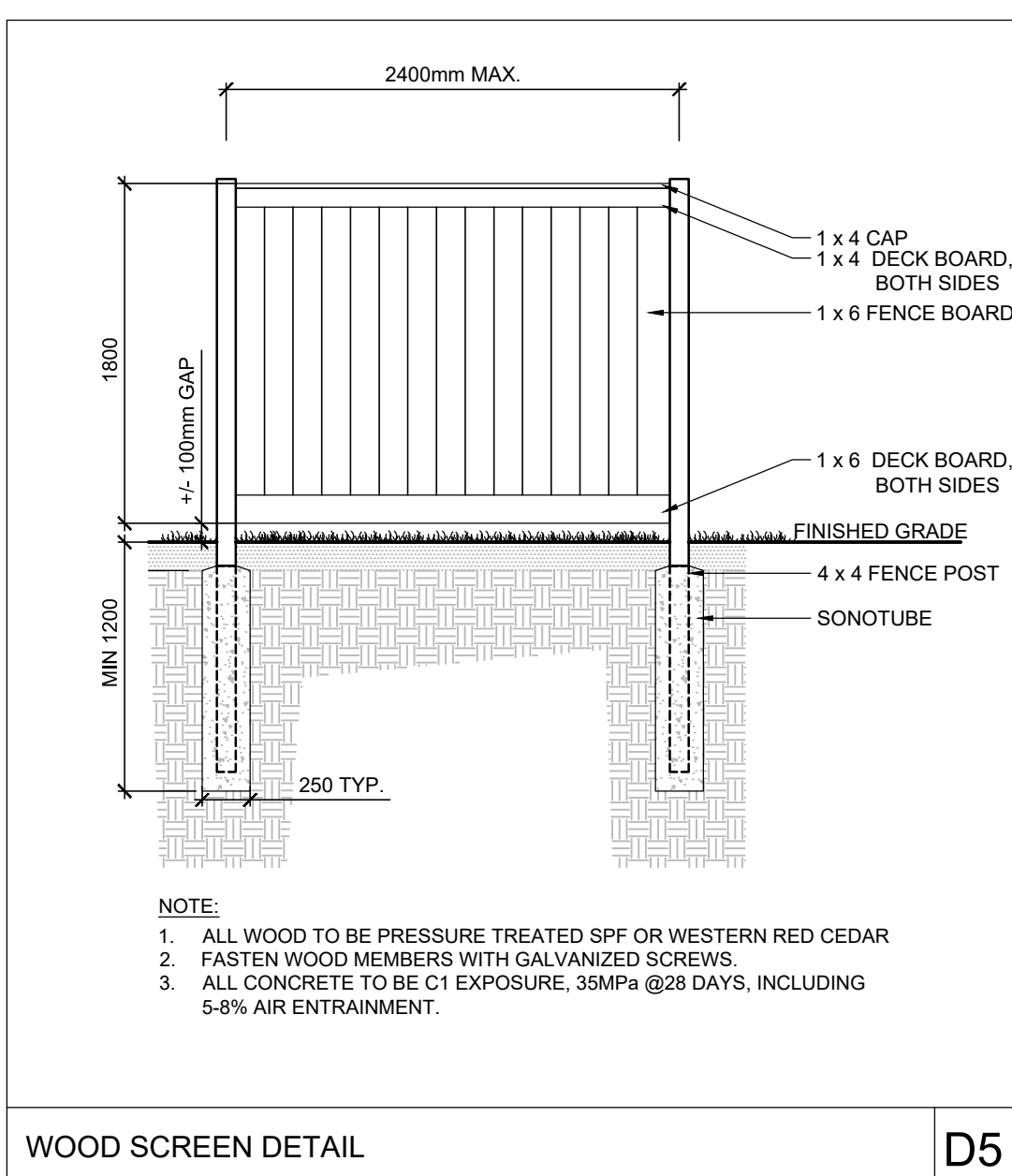
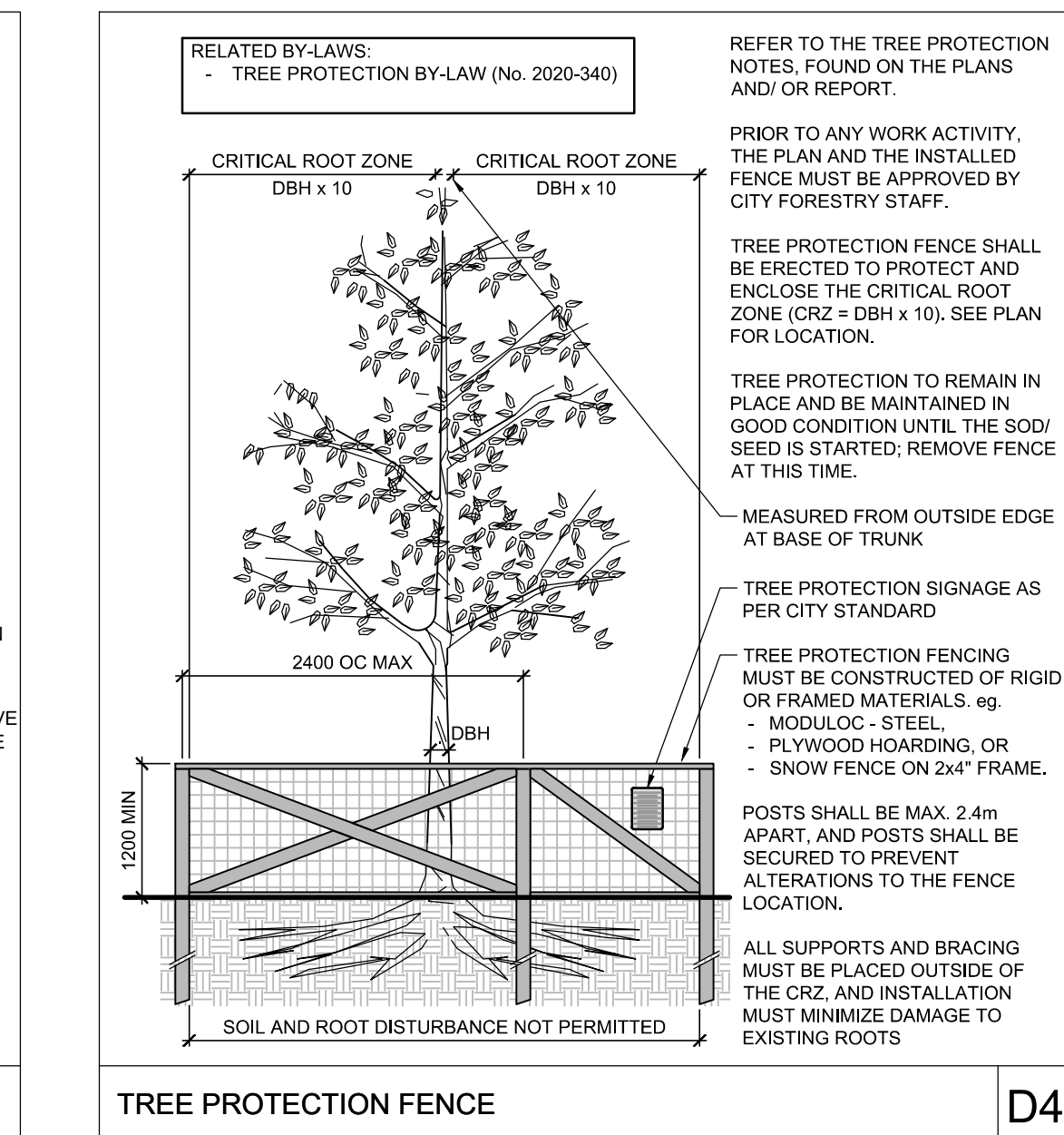
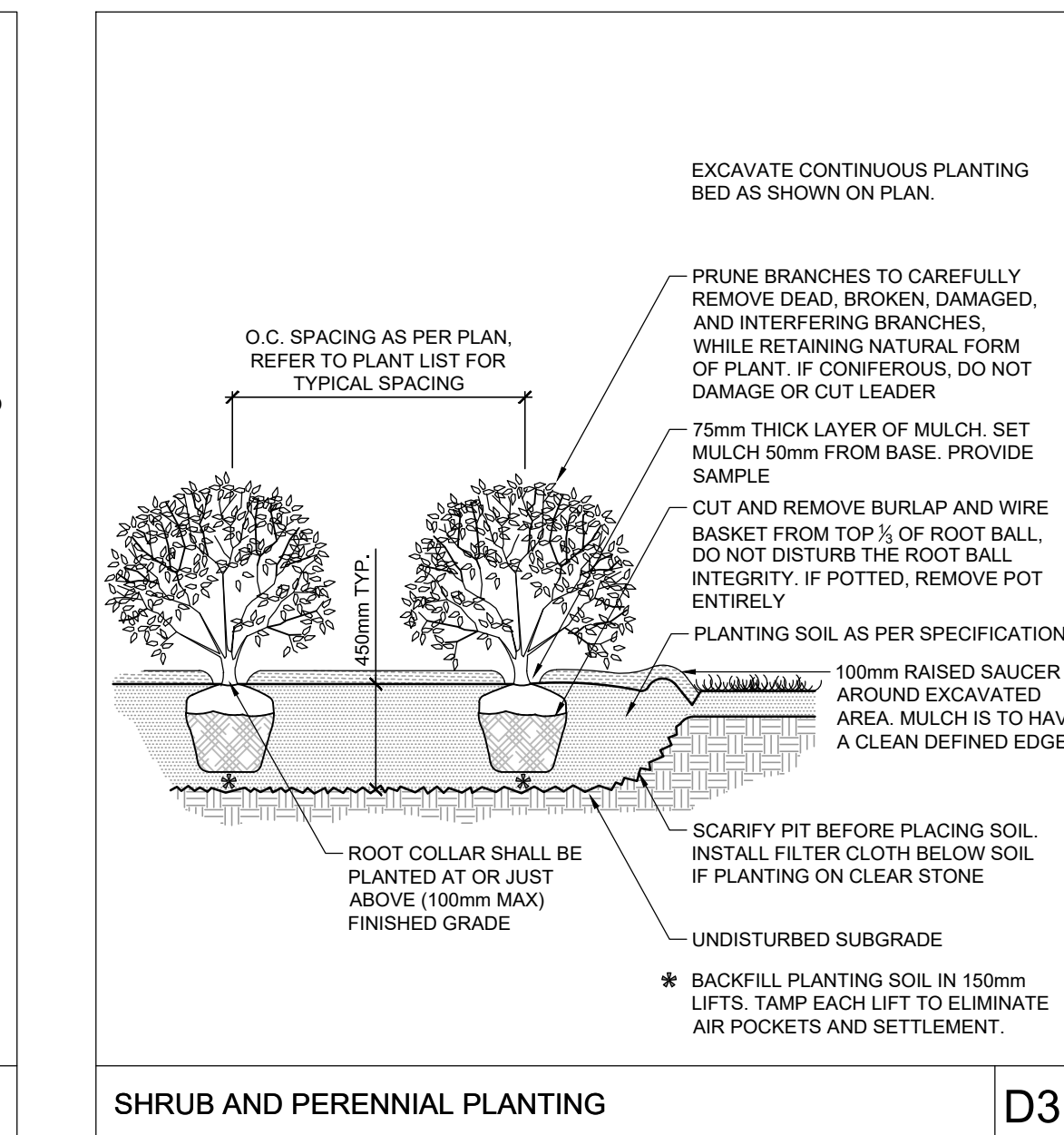
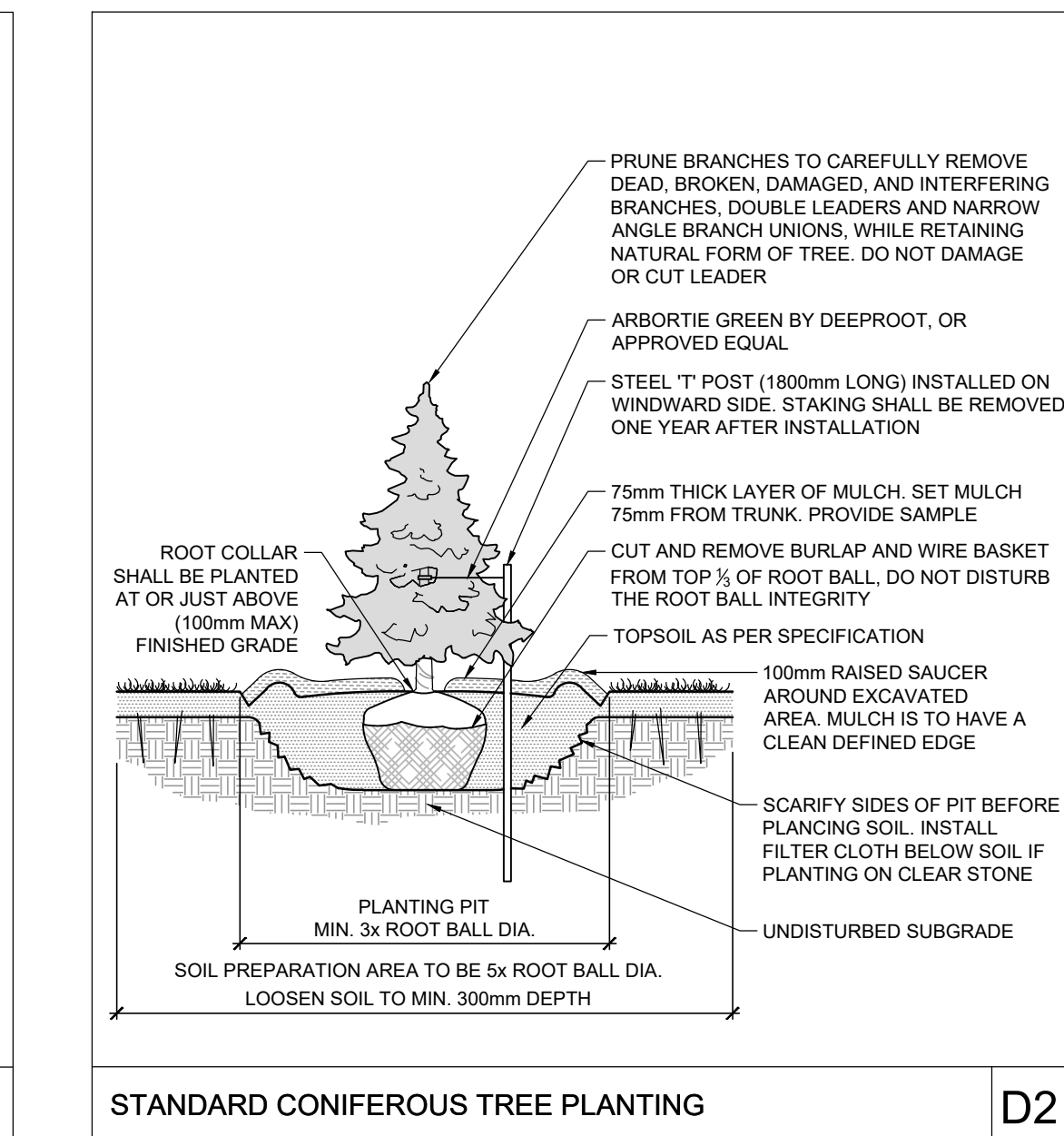
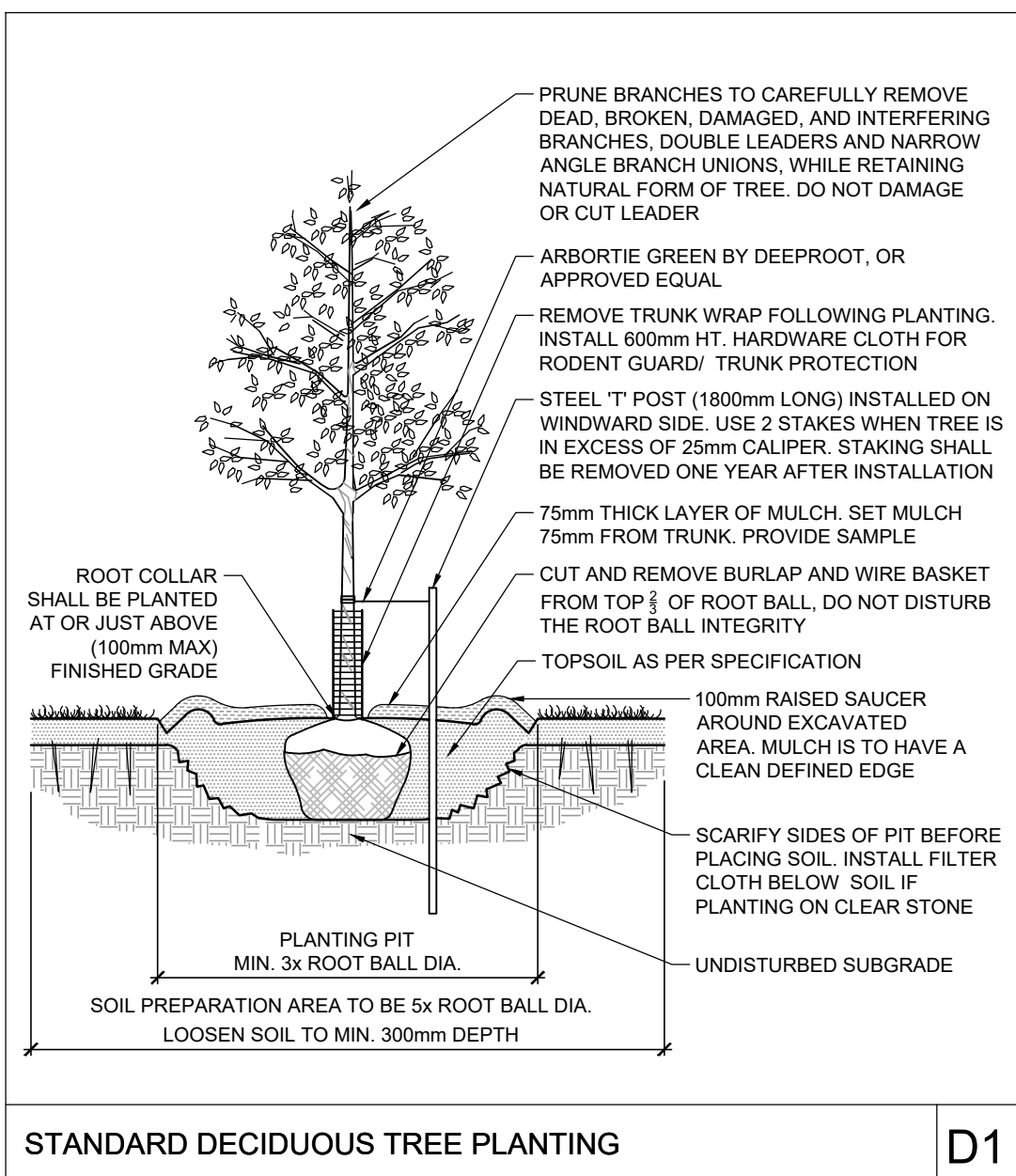
NOVATECH	TCB
CHECKED	RGJ
DRAWN	TCB
CHECKED	RGJ
APPROVED	RGJ

NOVATECH
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 Suite 200, 240 Michael Cowpland Drive
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 Telephone: (613) 254-9643
 Facsimile: (613) 254-5867
 Website: www.novatech-eng.com

SPB DEVELOPMENTS INC.
 METRIC HOMES SUBDIVISION - BLOCK 123
 4829 ABBOTT STREET EAST, KANATA

DRAWING NAME:
 LANDSCAPE PLAN AND TREE CONSERVATION PLAN

PROJECT NO.: 110037
REV #: 6
DRAWING NO.: 110037-B123-L1



SOIL & TREE CANOPY COVER FIGURE
NOT TO SCALE

SOIL AVAILABILITY CALCULATION

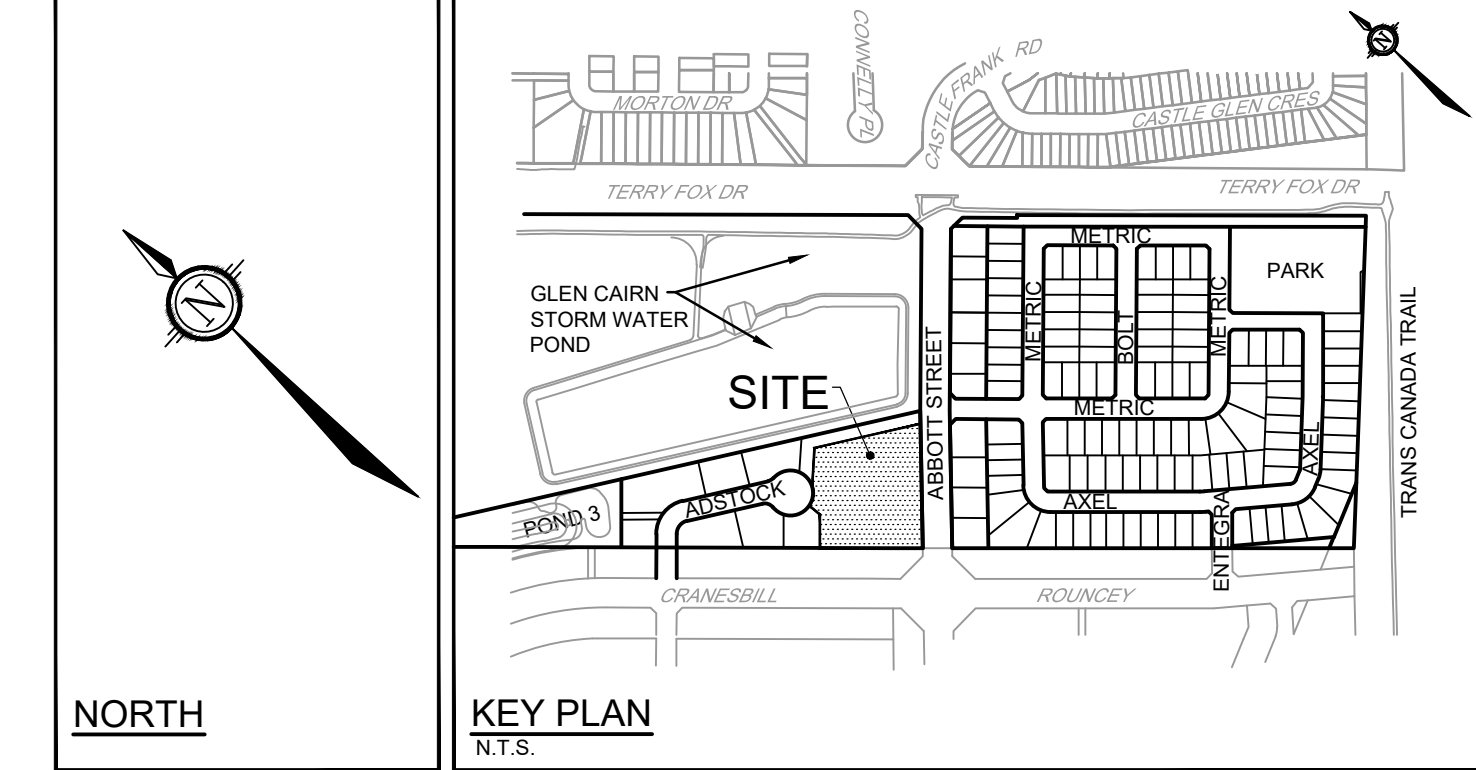
Planting bed no.	Available Soil Area (sq m)	Available Soil Volume* (cu m)	No. of trees proposed			Total No. of trees	Min. required Soil volume total (cu m)
			Small (min. 25m ³ soil for single & 15m ³ for shared)	Medium (min. 30m ³ soil for single & 18m ³ for shared)	Large (min. 35m ³ soil for single & 20m ³ for shared)		
Planting bed 1	121	182	1	2	3	51.00	
Planting bed 2	52	79		0	0	0.00	
Planting bed 3	52	78		0	0	0.00	
Planting bed 4	165	248		3	3	54.00	
Planting bed 5	51	76		0	0	0.00	
Planting bed 6	51	77		1	1	30.00	
Planting bed 7	32	48		0	0	0.00	
Planting bed 8	38	56	1		1	25.00	
Planting bed 9	17	26	1		1	25.00	
Planting bed 10	30	46			2	40.00	
Planting bed 11	31	46			2	40.00	
Planting bed 12	453	680	2	4	8	142.00	
Planting bed 13	101	151		4	4	72.00	
Planting bed 14	351	527	3	5	8	135.00	
Planting bed 15	139	209		2	2	36.00	

*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 (m ²)	QUANTITY OF TREES	TOTAL CANOPY COVERAGE
Deciduous trees- Small	5m	20	8	160
Deciduous trees- Medium	10m	79	21	1659
Deciduous trees- Large	14m	154	6	924
TOTAL PROPOSED CANOPY COVERAGE (m²):				1,819
TOTAL SITE AREA (m²):				8,155
EST. PROPOSED CANOPY COVERAGE (%):				22%

1. Area of a circle = (r x r) x π
 2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π
 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 Consultant 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.

NOTE:
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Owner:
 SPB Developments Inc.
 c/o Sherrin Barrer at Metric Homes
 4829 Abbott Street East
 Kanata, ON K2V 0L4
 Phone: (613) 301-7792

Civil:
 Novatech Engineers, Planners & Landscape Architects
 c/o Alex McAuley
 240 Michael Cowpland Drive,
 Ottawa, ON, K2M 1P6
 Phone: 613.254.9643

Architect:
 Hobin Architecture Inc.
 c/o Todd Duckworth
 63 Pamela Street,
 Ottawa, ON K1S 3K7
 Phone: (613) 651.8954

Planning:
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SCALE: 1:200

No.	REVISION	DATE	BY
6.	RE-ISSUED FOR SITE PLAN APPLICATION	MAR 11/26	RGJ
5.	ISSUED FOR PATERSON REVIEW	FEB 12/26	RGJ
4.	ISSUED FOR COORDINATION	JAN 27/26	RGJ
3.	RE-ISSUED FOR SITE PLAN APPLICATION	AUG 07/25	RGJ
2.	ISSUED FOR SITE PLAN APPLICATION	JUN X25	RGJ
1.	ISSUED FOR COORDINATION	JUN 5/25	RGJ

FOR REVIEW ONLY

REVISION	DATE	BY
TCB		
RGJ		
TCB		
RGJ		
RGJ		
RGJ		

LEGAL DESCRIPTION:
 Block 123, Plan 4M-1616, Ottawa

NOVATECH
 Engineers, Planners & Landscape Architects
 Suite 200, 240 Michael Cowpland Drive
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 Website: www.novatech-eng.com

SPB DEVELOPMENTS INC.
 METRIC HOMES SUBDIVISION - BLOCK 123
 4829 ABBOTT STREET EAST, KANATA

DRAWING NAME:
 LANDSCAPE DETAILS,
 CANOPY COVERAGE AND SOIL
 AVAILABILITY CALCULATIONS

PROJECT NO.: 110037
 REV: REV # 6
 DRAWING NO.: 110037-B123-L2