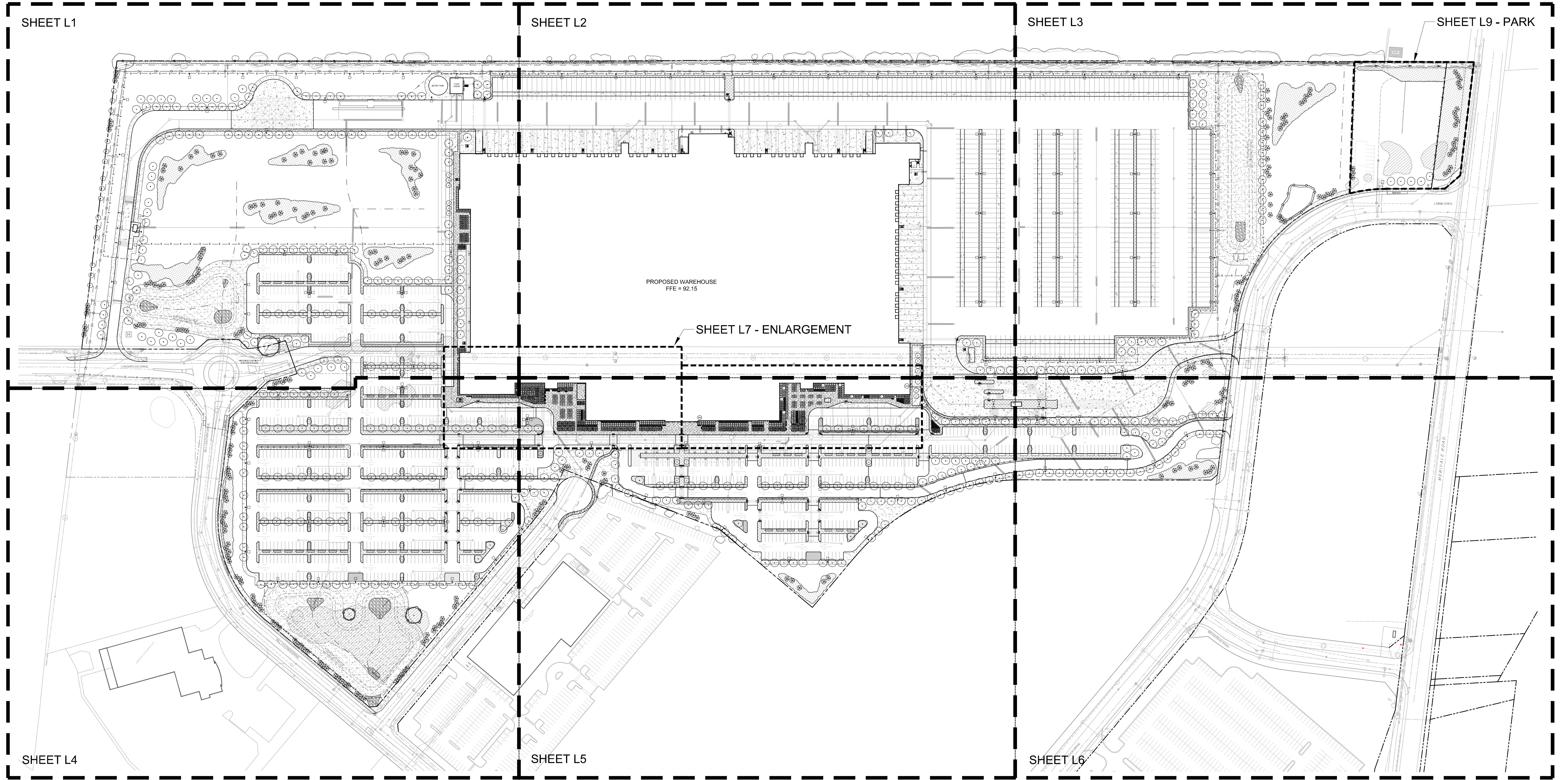
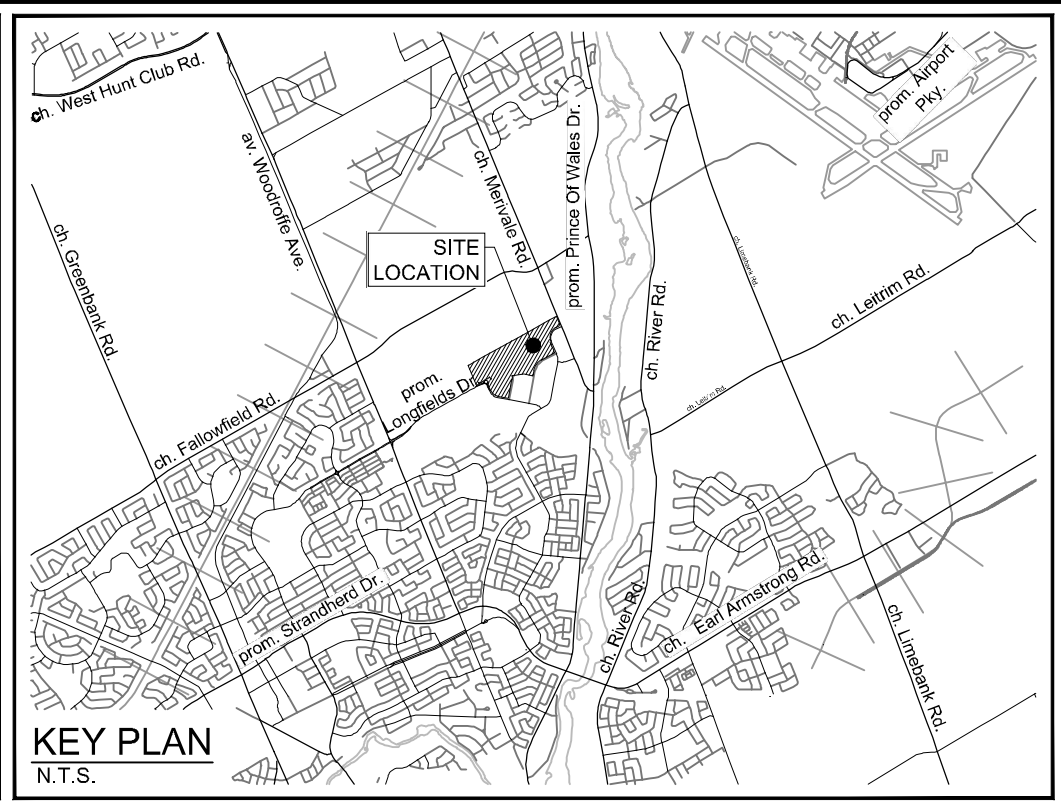


APPROVED
By Lily Xu at 1:59 pm, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

NORTH

KEY PLAN
N.T.S.



C:\Users\lilyxu\Documents\124123-L0.dwg, L0, Feb 13, 2025, 10:53am, mlt/ahm

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SCALE	
1:1250	
1:1250	
0 10 20 30 40 50	

FOR REVIEW ONLY	
DESIGN	MJT
CHECKED	RGJ
DRAWN	MJT
CHECKED	RGJ
APPROVED	RGJ

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
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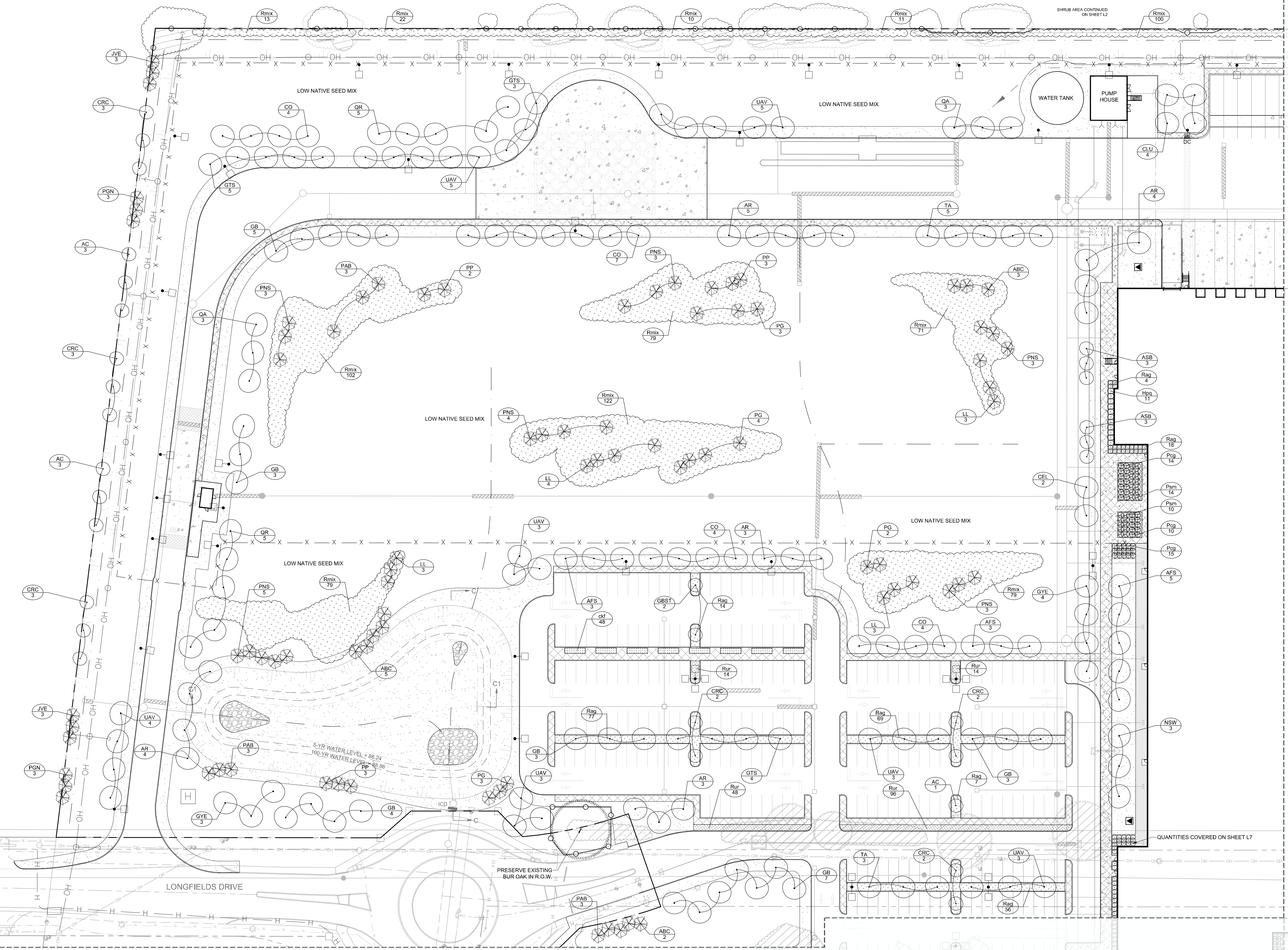
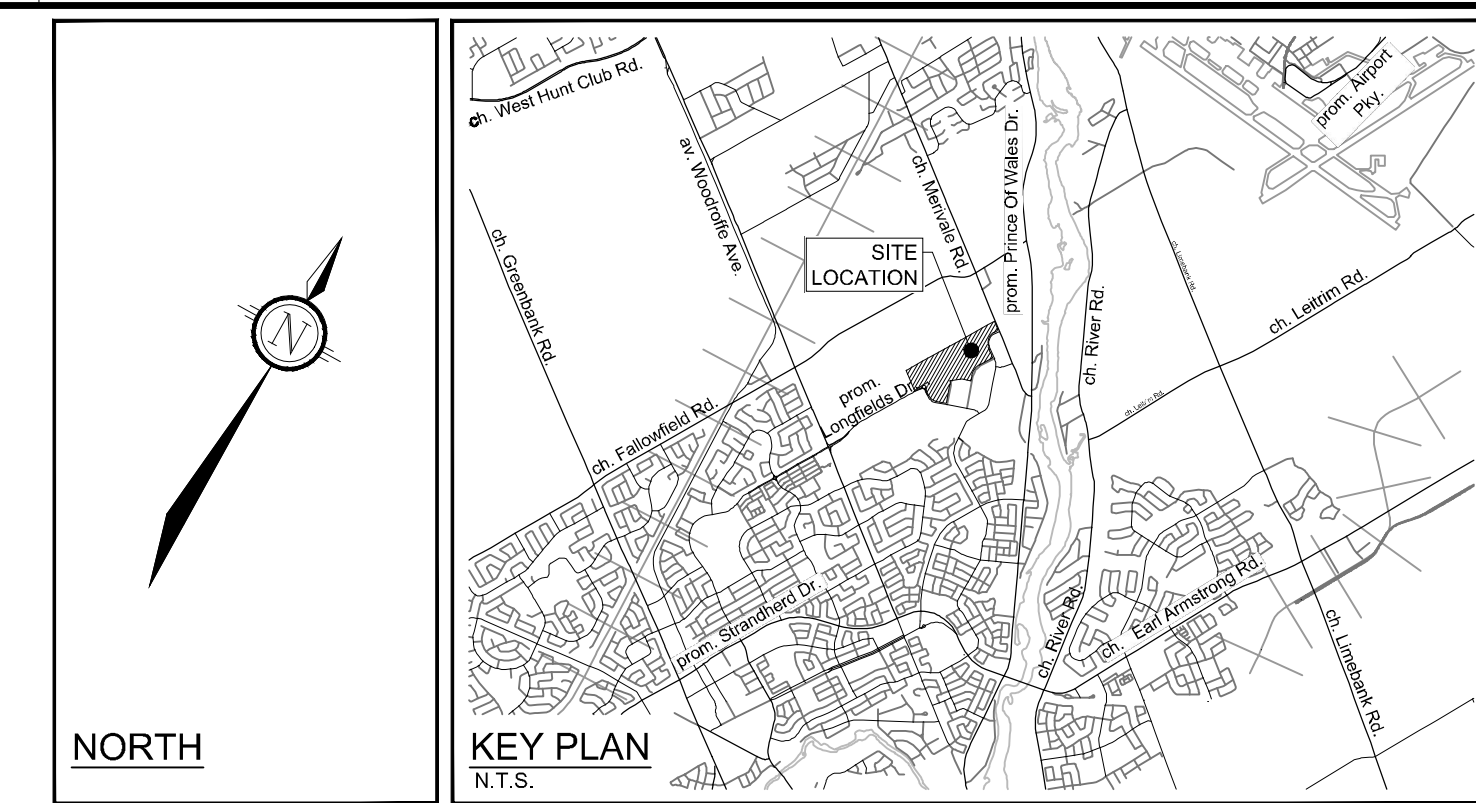
LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
LANDSCAPE PLAN

PROJECT No.	REV #	DRAWING No.
124123	5	124123-L0

#19192

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By Lily Xu at 1:59 pm, Feb 25, 2025

Lily Xu
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MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
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- LEGEND**
- 3-D1 DETAIL SHEET # NOVATECH OR CITY EG. L1, L2, ETC. - DETAIL NUMBER SEE LIST FOR CODE
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 - PROPOSED CONCRETE
 - GREENFIELDS SEED MIX
 - SHRUBS AND PERENNIALS, TREE COMPANION PLANTING
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 - PROPOSED CONIFEROUS TREE
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 - SPECIES (SEE PLANT LIST)
 - QUANTITY
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DETAILS)
 - PROPOSED PEDESTRIAN FENCE 1.5m Ht
 - BENCH (MLB87/TP SEE DETAIL D9)
 - WASTE RECEPTACLE (MLWR20-32 SEE DETAIL D8)

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- PLANTING**
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 - In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
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 - Sod Seed Areas - 100mm depth.
 - 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 Nursery Landscape Association.
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PROPOSED PEDESTRIAN FENCE SPECIES MIX CAN BE FOUND ON SHEET L6 OF THIS DRAWING PACKAGE.

PLANT LIST

HYB	CITY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
ABC	10	Abies concolor	White Fir	200cm Ht	WB	As Show'n
JVE	6	Juniperus virginiana	Eastern Red Cedar	150cm Ht	WB	As Show'n
LL	13	Larix laricina	Tamarack	200cm Ht	WB	As Show'n
PAB	9	Picea abies	Norway Spruce	200cm Ht	WB	As Show'n
PG	12	Picea glauca	White Spruce	200cm Ht	WB	As Show'n
PGN	8	Picea glauca 'North Pole'	North Pole White Spruce	150cm Ht	WB	#REF!
PP	8	Picea pungens	Colorado Spruce	200cm Ht	WB	As Show'n
PNS	11	Pinus strobus	Eastern White Pine	200cm Ht	WB	As Show'n
Deciduous Trees						
AC	7	Amenlanctier canadensis (Single stem)	Shadbolt Serviceberry	45mm Cal	WB	As Show'n
AFS	11	Acer x 'freemanii' 'Sienna'	Sienna Glen Maple	50mm Cal	WB	As Show'n
AR	19	Acer rubrum	Red Maple	50mm Cal	WB	As Show'n
ASB	6	Acer saccharum 'Barrett Cole'	Apollo Sugar Maple	50mm Cal	WB	As Show'n
CEL	2	Celtis occidentalis	Hackberry	50mm Cal	WB	As Show'n
CLU	4	Cladostis kentuckea (formerly 'tulsa')	Yellow wood	50mm Cal	WB	As Show'n
CO	19	Carya ovata	Shagbark Hickory	50mm Cal	WB	As Show'n
CRC	15	Crataegus crus-galli 'Inermis'	Thornless Cockspur Hawthorn	50mm Cal	WB	As Show'n
GB	25	Ginkgo biloba	Ginkgo (Male)	50mm Cal	WB	As Show'n
GTS	12	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	50mm Cal	WB	As Show'n
GYE	7	Gymnocladus dioica var. 'Espresso-JFS'	Espresso Kentucky Coffee Tree	50mm Cal	WB	As Show'n
NSW	3	Nyssa sylvatica 'Wildfire'	Wildfire Black Gum	50mm Cal	WB	As Show'n
QA	6	Quercus alba	White Oak	50mm Cal	WB	As Show'n
QR	10	Quercus rubra	Red Oak	50mm Cal	WB	As Show'n
TA	8	Tilia americana	Basswood	50mm Cal	WB	As Show'n
UAV	23	Ulmus americana 'Valley Forge'	Valley Forge Elm	50mm Cal	WB	As Show'n
Coniferous Shrubs						
Pns	24	Pinus mugo 'Stovewood'	Stovewood Mugo Pine	3g	PT	As Show'n
Deciduous Shrubs						
Hq	11	Hydrangea paniculata 'Quick Fire'	Quick Fire Hydrangea	60cm Ht	PT	As Show'n
Pg	42	Physocarpus opulifolius 'Centre Glow'	Centre Glow Ninebark	60cm Ht	PT	As Show'n
Rag	245	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	60cm Ht	PT	160cm O.C.
Rur	172	Rosa rugosa	Rugosa Rose	60cm Ht	PT	110 cm O.C.
Ornamental Grasses						
cl	48	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1g	PT	80cm O.C.

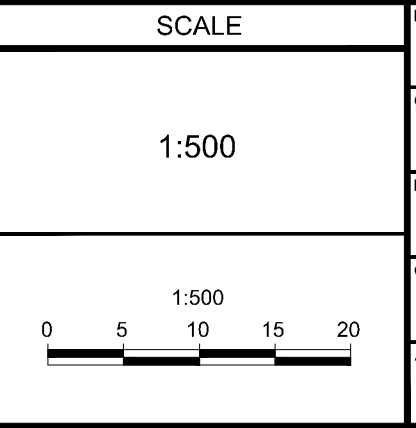
QUANTITIES COVERED ON SHEET L7

MATCHLINE - SHEET 124123-L2

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SCALE	FOR REVIEW ONLY
1:500	MJT
	RGJ
	MJT
	RGJ
	RGJ

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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
LANDSCAPE PLAN

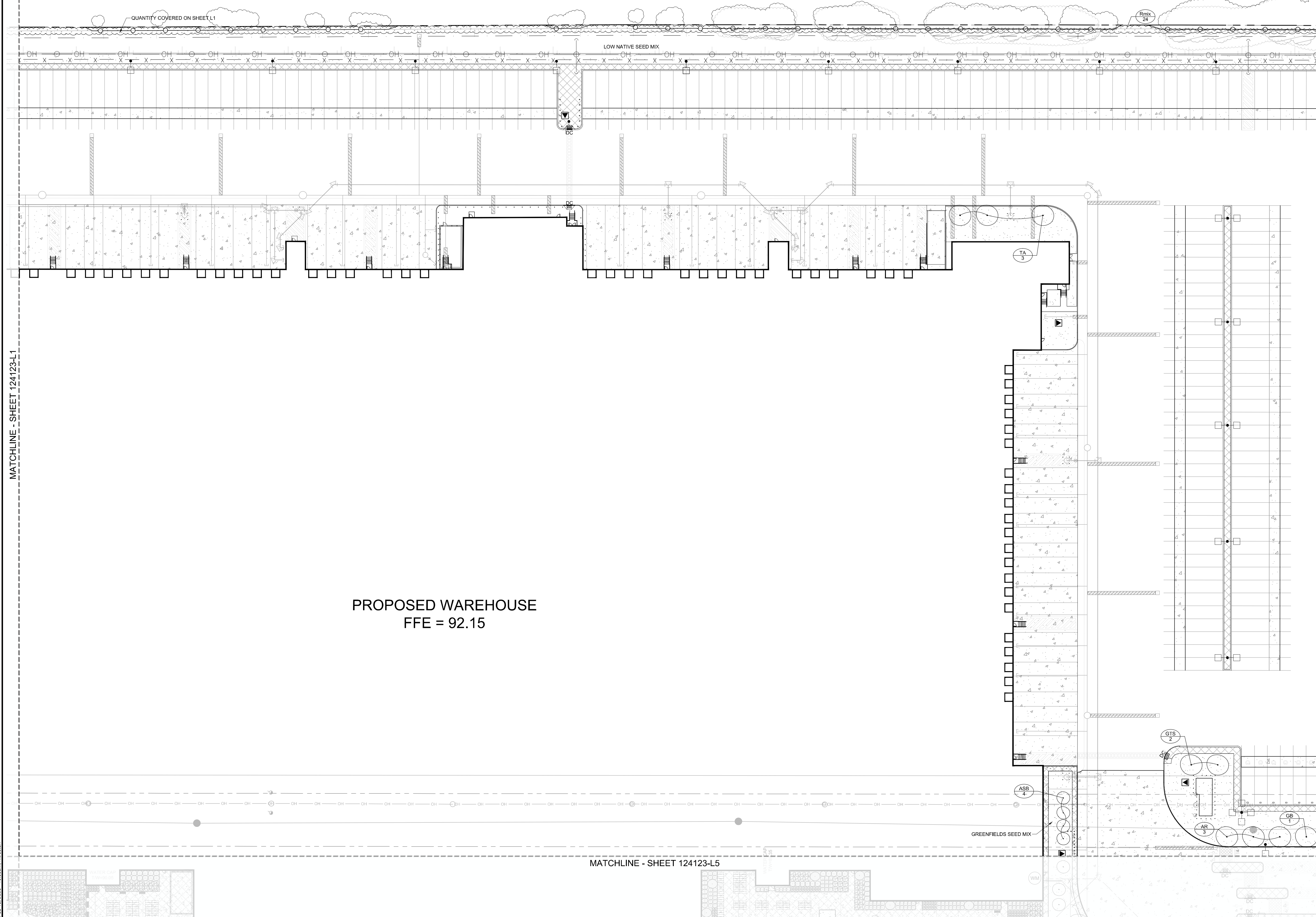
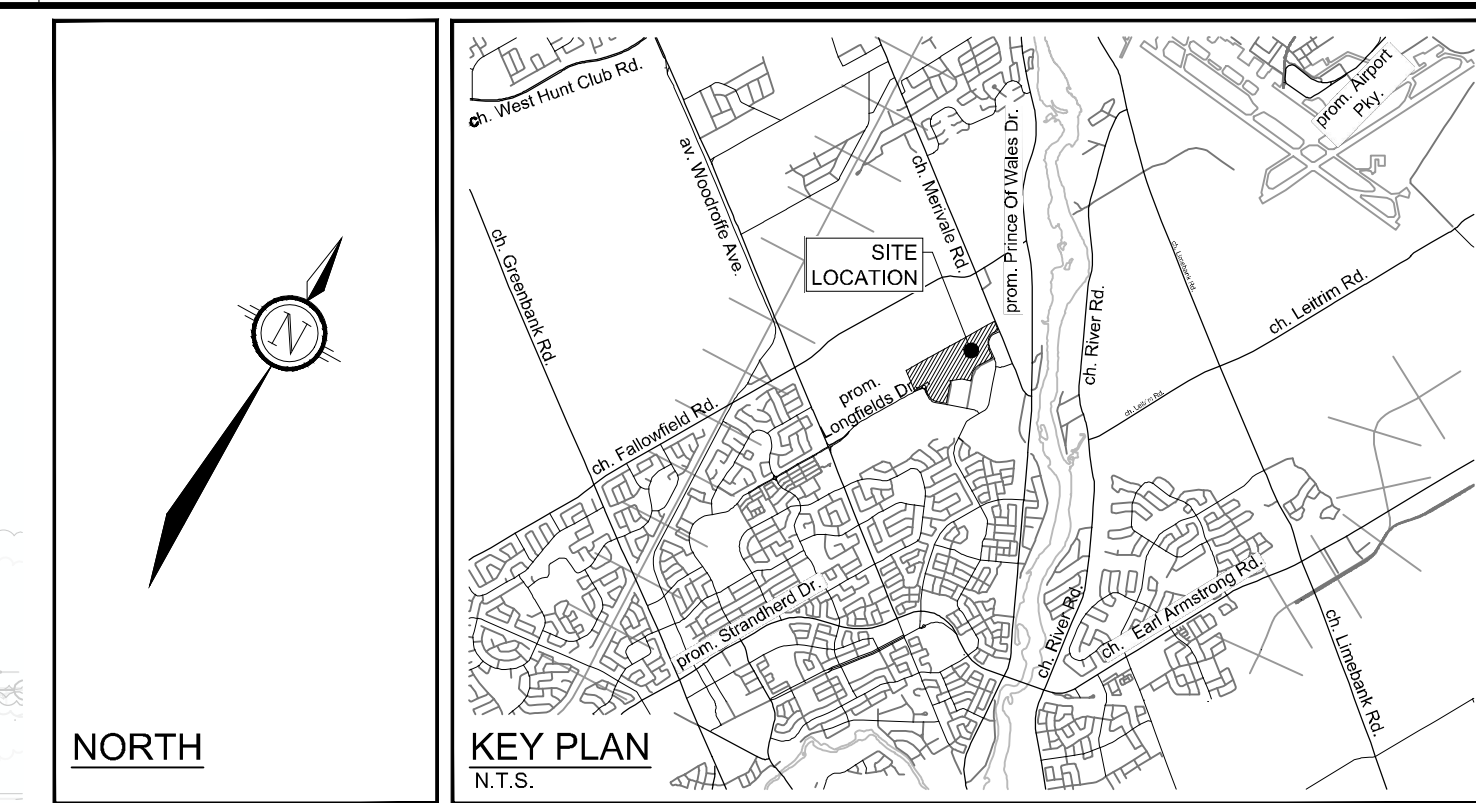
PROJECT NO.: 124123
REV: # 5
DRAWING NO.: 124123-L1

C:\Users\lilyxu\Documents\124123-L1.dwg L1 - Feb 13, 2025 - 1:53:55pm

D07-12-24-0139

APPROVED
By Lily Xu at 1:59 pm, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



PROPOSED WAREHOUSE
FFE = 92.15

LEGEND

- 3-D1 DETAIL SHEET # NOVATECH OR CITY
EG. L1, L2, ETC. - DETAIL NUMBER SEE LIST FOR CODE
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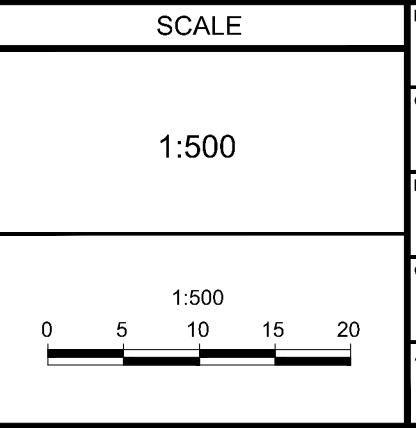
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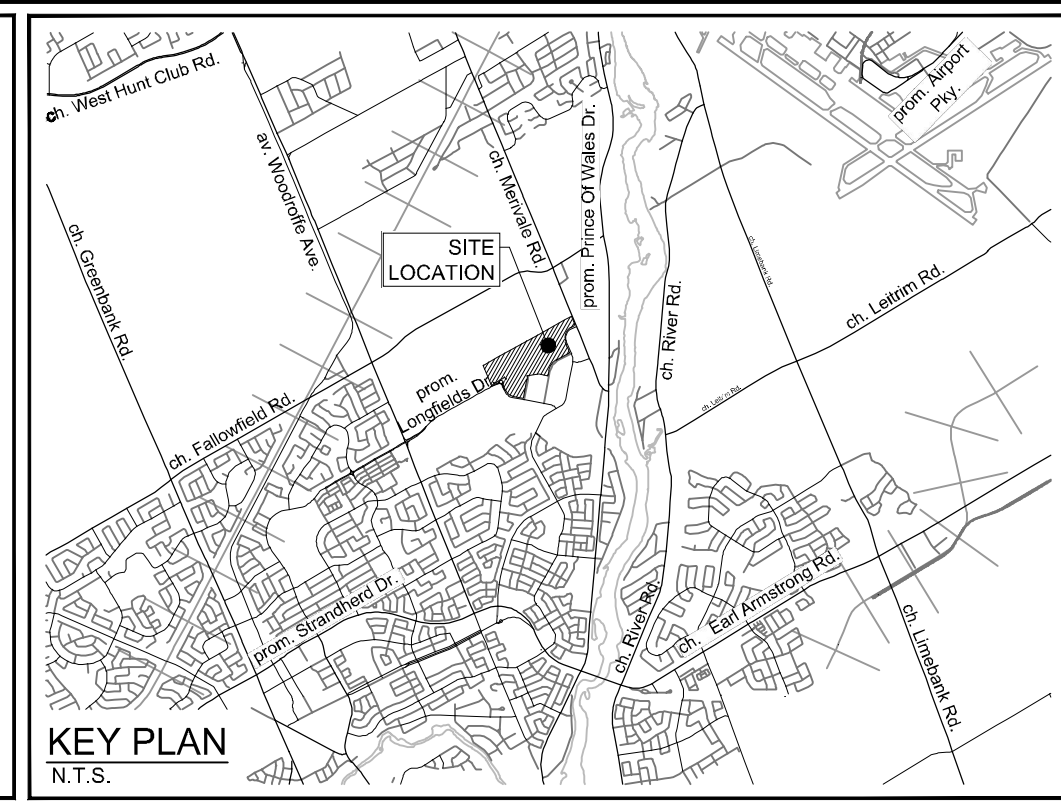


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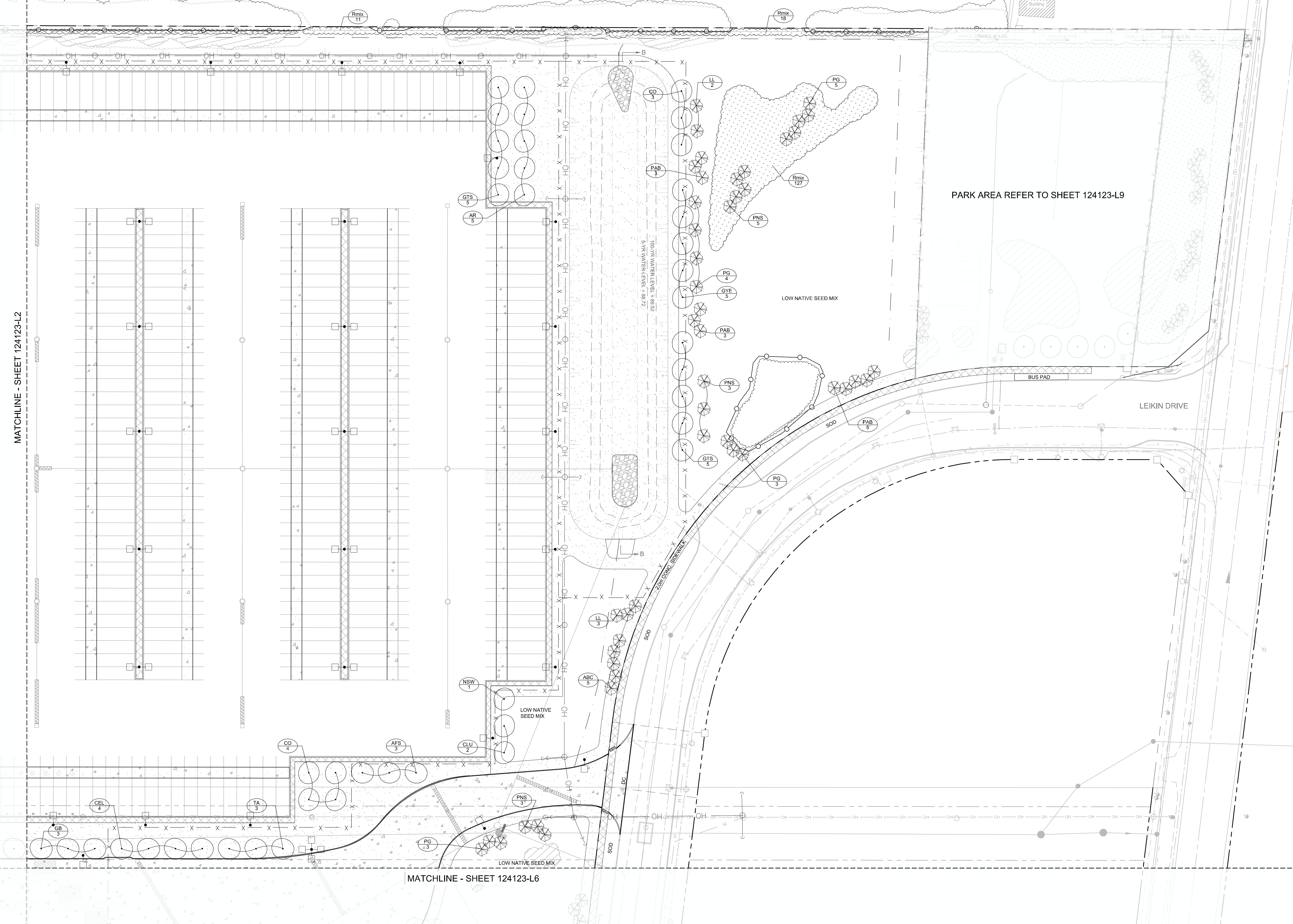
LOCATION	DRAWING NAME	PROJECT NO.
CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE	LANDSCAPE PLAN	124123
		REV # 5
		DRAWING NO. 124123-L2

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



NORTH



LEGEND

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GB	3	Ginkgo biloba	Ginkgo (Male)	50mm Cal	WB	As Shown
GTS	10	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	50mm Cal	WB	As Shown
GYE	5	Gymnocladus dioica 'Espresso-JFS'	Espresso Kentucky Coffee Tree	50mm Cal	WB	As Shown
NSW	1	Nyssa sylvatica 'Wildfire'	Wildfire Black Gum	50mm Cal	WB	As Shown
TA	3	Tilia americana	Basswood	50mm Cal	WB	As Shown

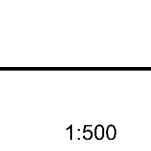
NOTE:
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No.	REVISION	DATE	BY
5	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	RGJ
4	REVISED PER ADDENDUM	DEC 16/24	RGJ
3	REVISED PER CITY COMMENTS	DEC 11/24	RGJ
2	ISSUED FOR RFP TENDER SET 62%	NOV 21/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ

SCALE

1:500



DESIGN

MJT

RGJ

MJT

RGJ

FOR REVIEW ONLY



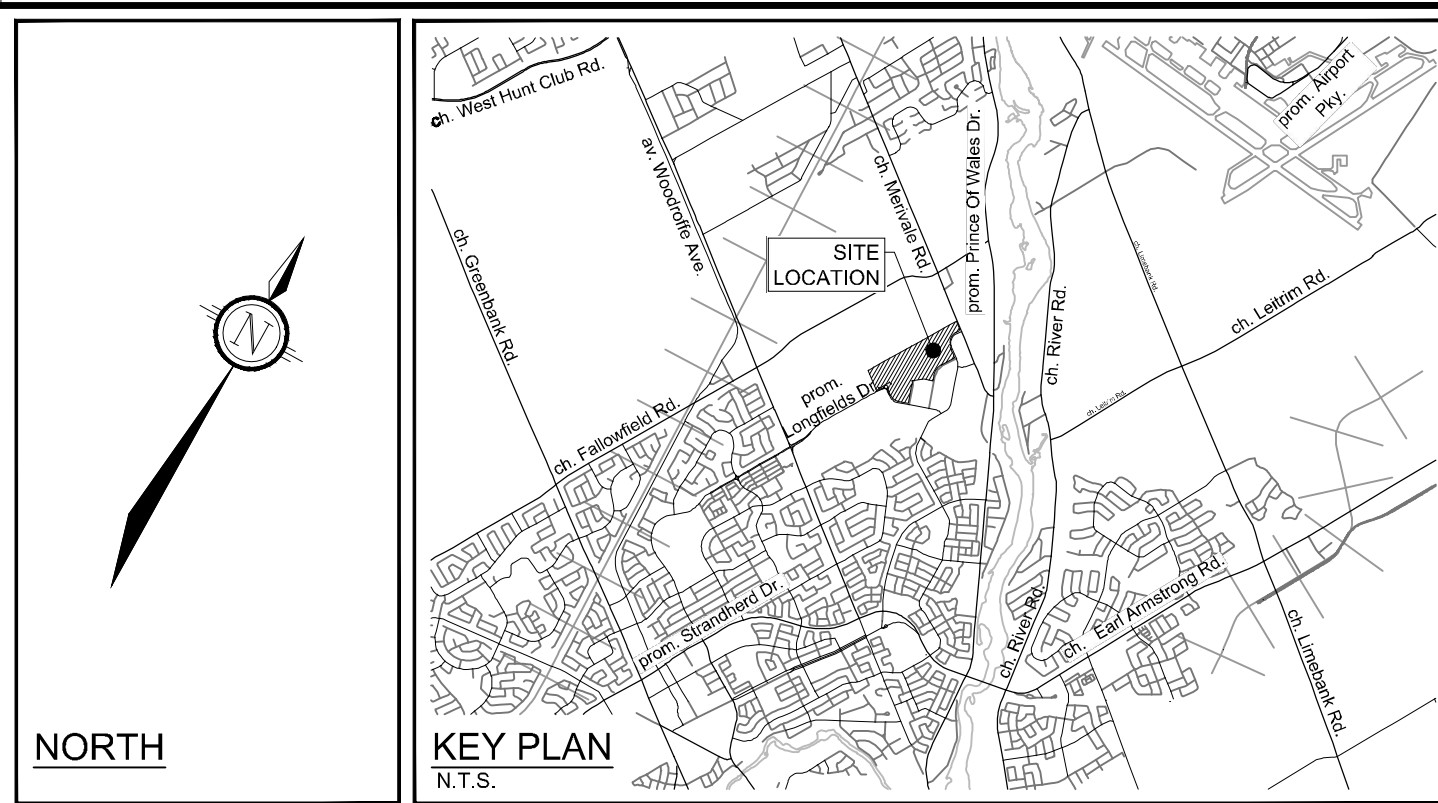
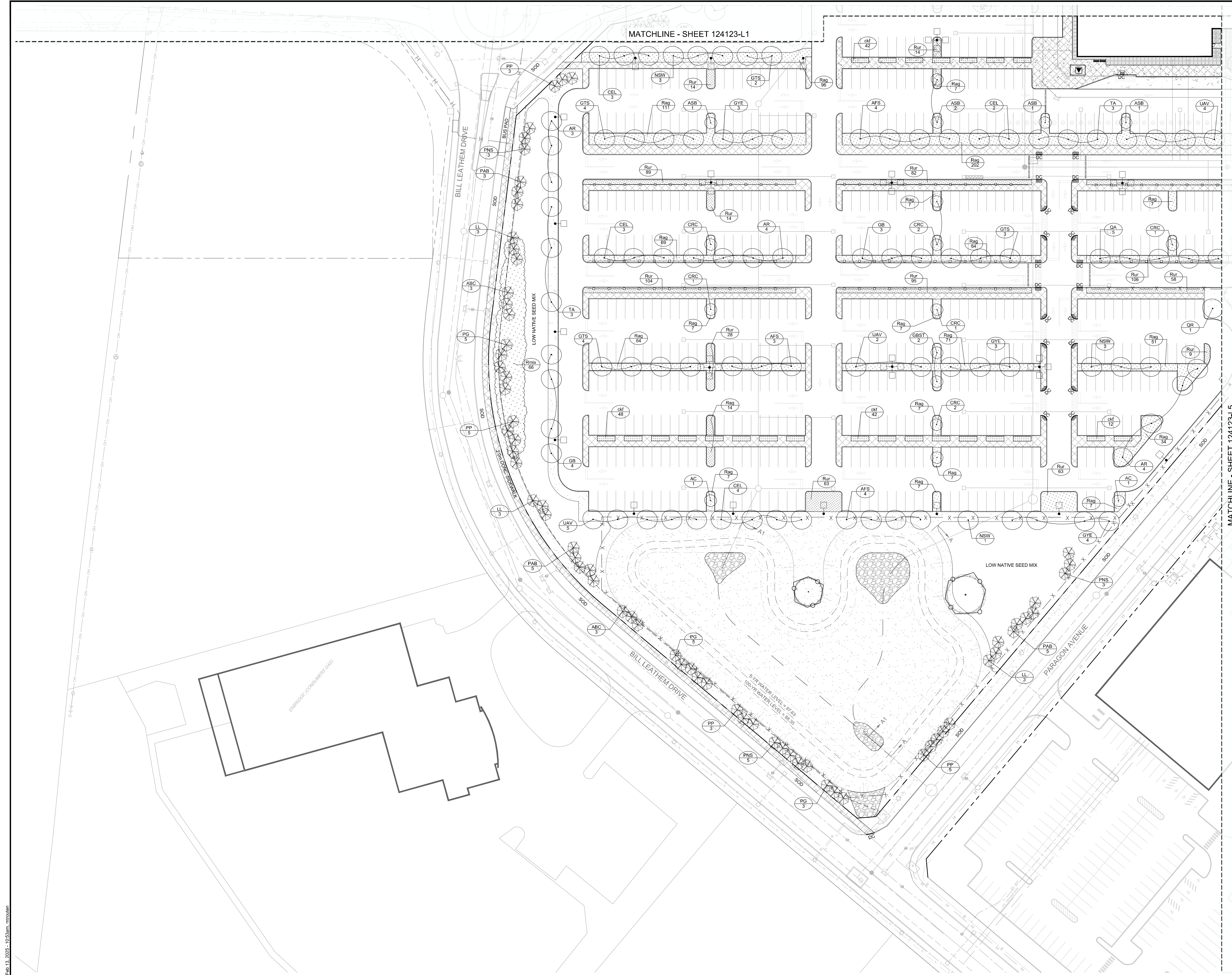
NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Copeland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.: 124123
REV # 5

DRAWING No.: 124123-L3



- LEGEND**
- 3-D1 DETAIL SHEET # NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
 - PROPERTY LIMIT
 - PROPOSED CONCRETE
 - GREENFIELDS SEED MIX
 - SHRUBS AND PERENNIALS TREE COMPANION PLANTING
 - SHRUBS AND PERENNIALS
 - RIVERSTONE
 - REFORESTATION AREA
 - PROPOSED DECIDUOUS TREE
 - PROPOSED CONIFEROUS TREE
 - EXISTING TREE TO REMAIN
 - EXISTING TREE TO REMOVE
 - PROPOSED SHRUBS (SEE PLANT LIST)
 - KEY ## QUANTITY
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DETAILS)
 - PROPOSED PEDESTRIAN FENCE 1.5m HT
 - BENCH (MLB87/PP SEE DETAIL D9)
 - WASTE RECEPTACLE (MLWR200-32 SEE DETAIL D8)

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- PLANTING**
1. 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 diseases, 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, W/B or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
 2. Plant material substitutions are not permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
 3. Plant locations are schematic / approximate only. Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation.
 4. 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.
 5. Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
 6. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
 7. 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.
 8. 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 Nursery Landscape Association.
 - 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 350g/ha.
 9. 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.

NOTE:

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PROPOSED REFORESTATION SPECIES MIX CAN BE FOUND ON SHEET L6 OF THIS DRAWING PACKAGE.

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
ABC	6	<i>Larix laricina</i>	White Fir	200cm HT	WB	As Shown
LL	9	<i>Larix laricina</i>	Tamarack	200cm HT	WB	As Shown
PAB	13	<i>Picea abies</i>	Norway Spruce	200cm HT	WB	As Shown
PG	13	<i>Picea glauca</i>	White Spruce	200cm HT	WB	As Shown
PNS	11	<i>Pinus strobus</i>	Eastern White Pine	200cm HT	WB	As Shown
PP	16	<i>Picea pungens</i>	Colorado Spruce	200cm HT	WB	As Shown
Deciduous Trees						
AC	2	<i>Amelanchier canadensis (Single stem)</i>	Shadblow Serviceberry	45mm Cal	WB	As Shown
AFS	11	<i>Acer 'Fremontii' 'Sienna'</i>	Sienna Glen Maple	50mm Cal	WB	As Shown
AR	11	<i>Acer rubrum</i>	Red Maple	50mm Cal	WB	As Shown
ASB	5	<i>Acer saccharum 'Barrett Cole'</i>	Apollo Sugar Maple	50mm Cal	WB	As Shown
CEL	11	<i>Celtis occidentalis</i>	Hackberry	50mm Cal	WB	As Shown
CRC	8	<i>Crataegus crus-galli 'Inermis'</i>	Thornless Cockspur Hawthorn	50mm Cal	WB	As Shown
GBST	4	<i>Ginkgo biloba 'Sky Tower'</i>	Sky Tower Ginkgo (Male)	200cm 10g	PT	As Shown
GB	7	<i>Ginkgo biloba</i>	Ginkgo (Male)	50mm Cal	WB	As Shown
GTS	13	<i>Gleditsia triacanthos var inermis 'Shademaster'</i>	Shademaster Honeylocust	50mm Cal	WB	As Shown
GYE	10	<i>Gymnocladus dioica 'Espresso-JS'</i>	Espresso Kentucky Coffee Tree	50mm Cal	WB	As Shown
NSW	7	<i>Pyrus sylvatica 'Wildfire'</i>	Wildfire Black Gum	50mm Cal	WB	As Shown
QA	5	<i>Quercus alba</i>	White Oak	50mm Cal	WB	As Shown
QR	1	<i>Quercus rubra</i>	Red Oak	50mm Cal	WB	As Shown
TA	6	<i>Tilia americana</i>	Basswood	50mm Cal	WB	As Shown
UAV	11	<i>Ulmus americana 'Valley Forge'</i>	Valley Forge Elm	50mm Cal	WB	As Shown
Deciduous Shrubs						
Rag	B46	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Fragrant Sumac	60cm HT	PT	160cm O.C.
Rur	B44	<i>Rosa rugosa</i>	Rugosa Rose	60cm HT	PT	110 cm O.C.
Ornamental Grasses						
cM	144	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1g	PT	80cm O.C.

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

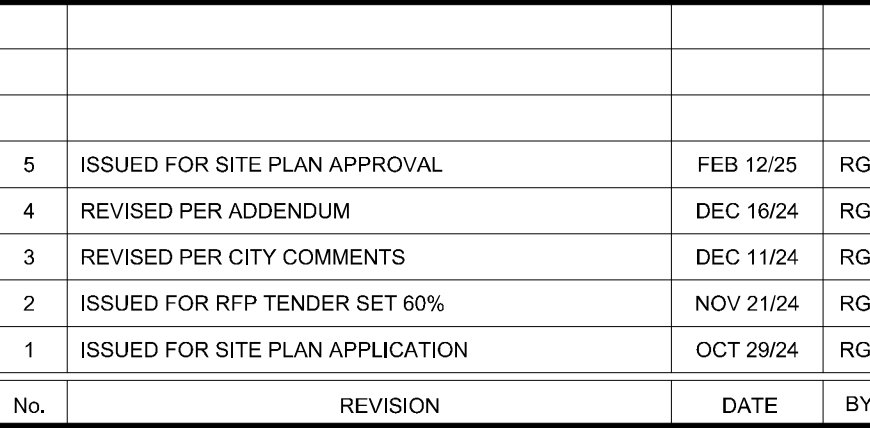
[Signature]

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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4	REVISED PER ADDENDUM	DEC 16/24	RGJ
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2	ISSUED FOR RFP TENDER SET 60%	NOV 21/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ



FOR REVIEW ONLY
DESIGN: MJT
CHECKED: RGJ
DRAWN: MJT
CHECKED: RGJ
APPROVED: RGJ

LOCATION
CITY OF OTTAWA
99 BILL LEATHEN, 2 & 20 LEIKEN DRIVE

DRAWING NAME
LANDSCAPE PLAN

PROJECT NO.: 124123

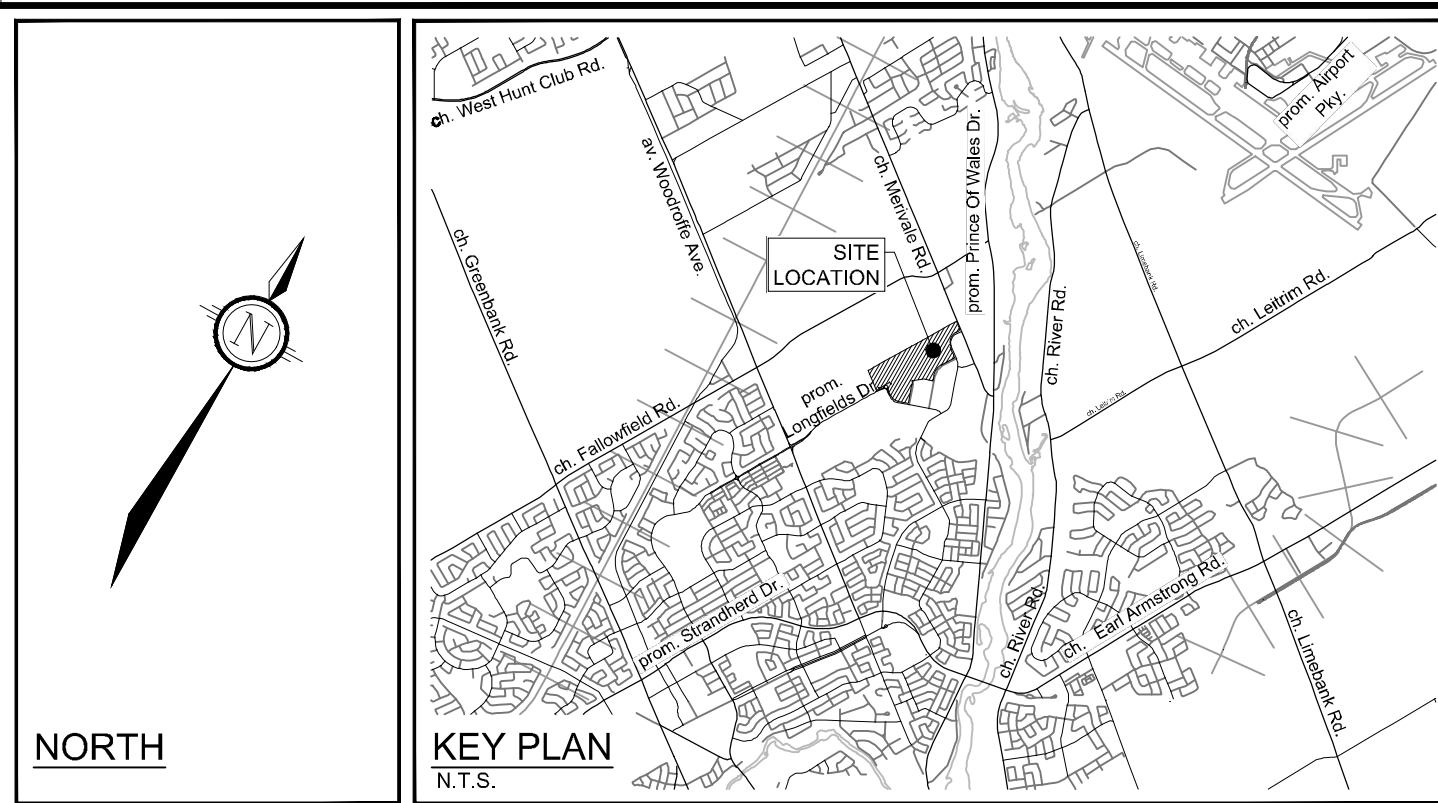
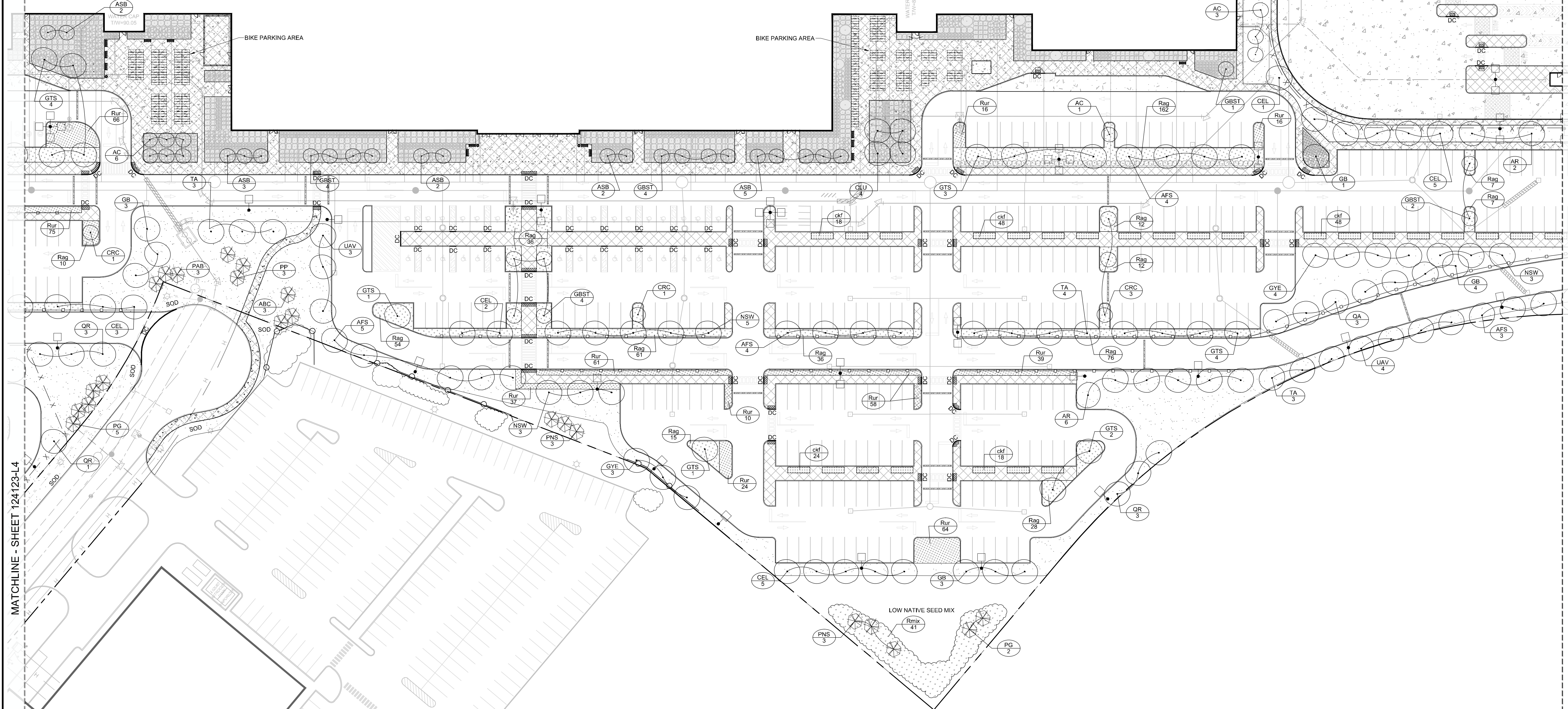
REV: REV # 5

DRAWING NO.: 124123-L4

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Copland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

C:\Users\lilyxu\Documents\124123-L4.dwg 1:4 Feb 13, 2025 - 10:53am, mmonroe

D07-12-24-0139



LEGEND

- 3-D1 DETAIL SHEET # NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- PROPOSED CONCRETE
- GREENFIELDS SEED MIX
- SHRUBS AND PERENNIALS - TREE COMPANION PLANTING
- SHRUBS AND PERENNIALS
- RIVERSTONE
- REFORESTATION AREA
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE
- PROPOSED SHRUBS (SEE PLANT LIST)
- KEY ## QUANTITY
- PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DETAILS)
- PROPOSED PEDESTRIAN FENCE 1.5m HT
- BENCH (MLB87P SEE DETAIL D9)
- WASTE RECEPTACLE (MLWR200-32 SEE DETAIL D8)

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PROPOSED REFORESTATION SPECIES MIX CAN BE FOUND ON SHEET 16 OF THIS DRAWING PACKAGE.

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
ARC	3	<i>Abies concolor</i>	White Fir	200cm Ht	WB	As Show'n
FRB	3	<i>Picea abies</i>	Norway Spruce	200cm Ht	WB	As Show'n
PG	7	<i>Picea glauca</i>	White Spruce	200cm Ht	WB	As Show'n
PNS	6	<i>Pinus strobus</i>	Eastern White Pine	200cm Ht	WB	As Show'n
PP	3	<i>Picea pungens</i>	Colorado Spruce	200cm Ht	WB	As Show'n
Deciduous Trees						
AC	12	<i>Amelanchier canadensis (Single stem)</i>	Shadblow Serviceberry	45mm Cal	WB	As Show'n
AFS	16	<i>Acer x freemanii 'Senna'</i>	Senna Glen Maple	50mm Cal	WB	As Show'n
AR	8	<i>Acer rubrum</i>	Red Maple	50mm Cal	WB	As Show'n
ASB	14	<i>Acer saccharum 'Barrett Cole'</i>	Apple Sugar Maple	50mm Cal	WB	As Show'n
CEL	18	<i>Callitris occidentalis</i>	Hackberry	50mm Cal	WB	As Show'n
CLU	4	<i>Cladradia kentuckea (formerly 'tulsa')</i>	Yellowwood	50mm Cal	WB	As Show'n
CRC	3	<i>Crataegus crus-galli 'Inermis'</i>	Thornless Cockspur Hawthorn	50mm Cal	WB	As Show'n
GB	11	<i>Ginkgo biloba</i>	Ginkgo (Male)	50mm Cal	WB	As Show'n
GBST	15	<i>Ginkgo biloba 'Sky Tower'</i>	Sky Tower Ginkgo (Male)	200cm 10g	PT	As Show'n
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NSW	11	<i>Nyssa sylvatica 'Wildfire'</i>	Wildfire Black Gum	50mm Cal	WB	As Show'n
QA	3	<i>Quercus alba</i>	White Oak	50mm Cal	WB	As Show'n
QR	7	<i>Quercus rubra</i>	Red Oak	50mm Cal	WB	As Show'n
TA	10	<i>Tilia americana</i>	Basswood	50mm Cal	WB	As Show'n
UAV	7	<i>Ulmus americana 'Valley Forge'</i>	Valley Forge Elm	50mm Cal	WB	As Show'n
Deciduous Shrubs						
Rag	539	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Fragrant Sumac	60cm Ht	PT	160cm O.C.
Rur	466	<i>Rosa rugosa</i>	Rugosa Rose	60cm Ht	PT	110 cm O.C.
Ornamental Grasses						
clf	210	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1g	PT	80cm O.C.

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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SCALE: 1:500

FOR REVIEW ONLY

MJT, RGJ, MJT, RGJ, RGJ

NOVATECH ENGINEERS, PLANNERS & LANDSCAPE ARCHITECTS

20706 124123-L1.dwg U.S. Feb 13, 2025, 1:52:53pm

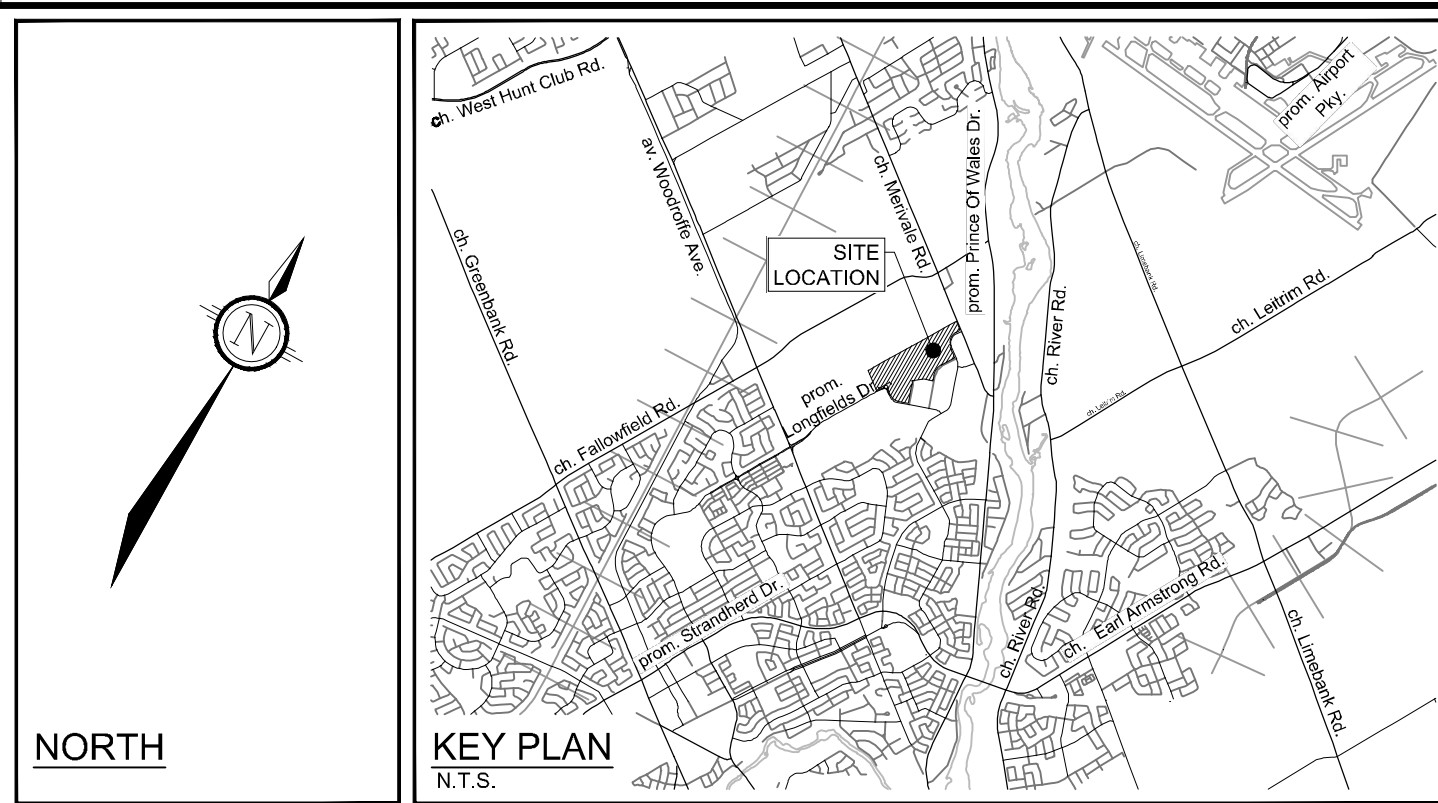
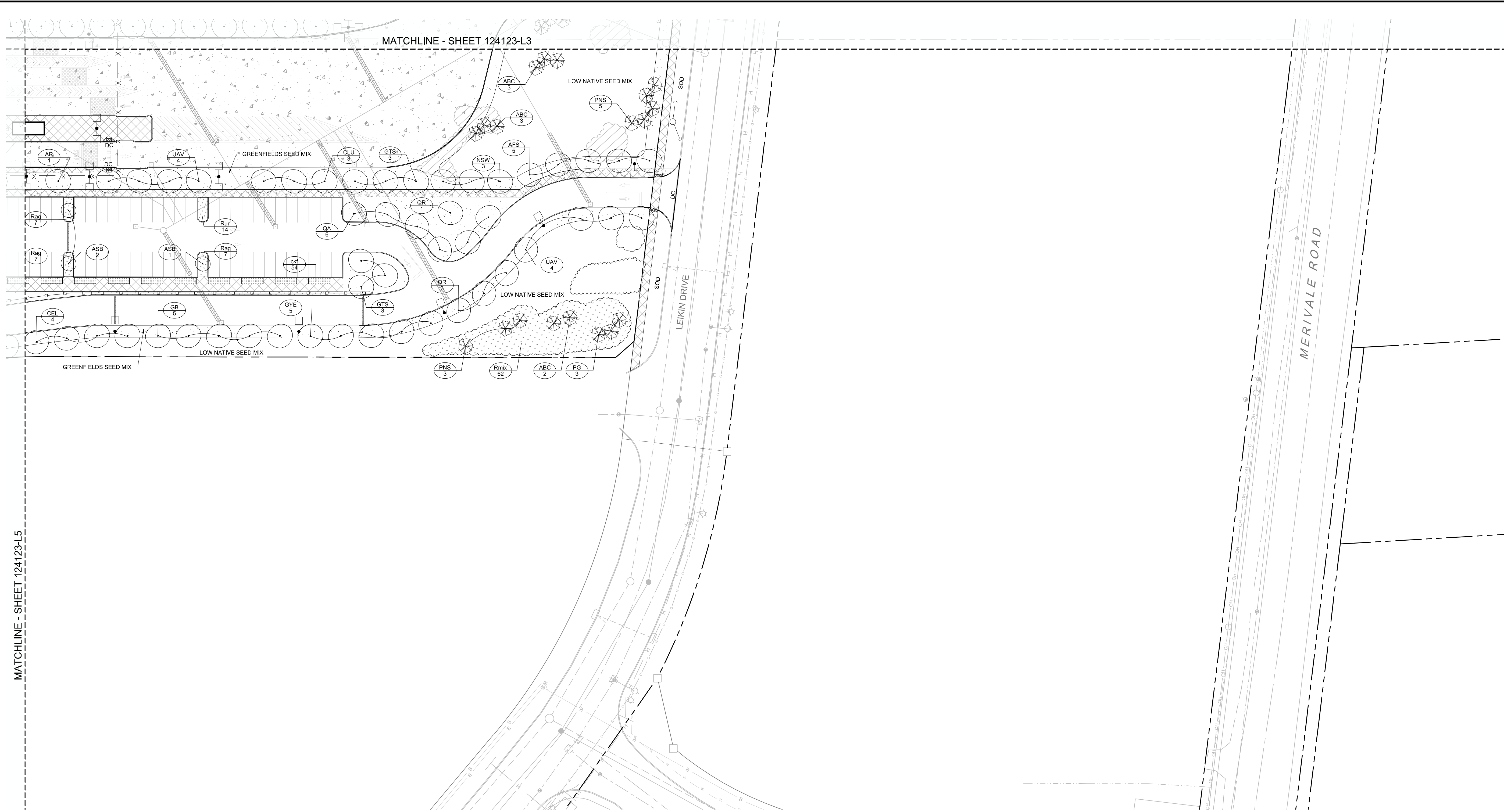


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LOCATION
CITY OF OTTAWA
99 BILL LEATHERM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.: 124123
REV: REV # 5
DRAWING No.: 124123-L5



- LEGEND**
- 3-D1 DETAIL SHEET # NOVATECH OR CITY
 - EG, L1, L2, ETC. DETAIL NUMBER SEE LIST FOR CODE
 - PROPERTY LIMIT
 - PROPOSED CONCRETE
 - GREENFIELDS SEED MIX
 - SHRUBS AND PERENNIALS, TREE COMPANION PLANTING
 - SHRUBS AND PERENNIALS
 - RIVERSTONE
 - REFORESTATION AREA
 - PROPOSED DECIDUOUS TREE
 - PROPOSED CONIFEROUS TREE
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 - EXISTING TREE TO REMOVE
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 - SPECIES (SEE PLANT LIST)
 - KEY ## QUANTITY
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MATCHLINE - SHEET 124123-L5

MATCHLINE - SHEET 124123-L3

REFORESTATION SPECIES MIX(ALL SHEETS)

%	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
5%	52	<i>Abies balsamea</i>	Balsam Fir	0.60m Ht	PT	2.0m O.C.
6%	63	<i>Larix laricina</i>	Tamarack	0.60m Ht	PT	2.0m O.C.
5%	52	<i>Picea glauca</i>	White Spruce	0.60m Ht	PT	2.0m O.C.
7%	73	<i>Pinus strobus</i>	Eastern White Pine	0.60m Ht	PT	2.0m O.C.
5%	52	<i>Thuja occidentalis</i>	Eastern White Cedar	0.60m Ht	PT	2.0m O.C.
Deciduous Trees						
3%	31	<i>Acer rubrum</i>	Red Maple	1.20m Ht	PT	2.0m O.C.
3%	31	<i>Acer saccharinum</i>	Silver Maple	1.20m Ht	PT	2.0m O.C.
7%	73	<i>Acer saccharum</i>	Sugar Maple	1.20m Ht	PT	2.0m O.C.
5%	52	<i>Celtis occidentalis</i>	Hickberry	1.20m Ht	PT	2.0m O.C.
2%	21	<i>Juglans cinerea</i>	Butternut	1.20m Ht	PT	2.0m O.C.
4%	42	<i>Juglans nigra</i>	Black Walnut	1.20m Ht	PT	2.0m O.C.
5%	52	<i>Corylia virginiana</i>	Ironwood	1.20m Ht	PT	2.0m O.C.
6%	63	<i>Populus balsamifera</i>	Balsam Poplar	1.20m Ht	PT	2.0m O.C.
7%	73	<i>Populus tremuloides</i>	Trembling Aspen	1.20m Ht	PT	2.0m O.C.
5%	52	<i>Prunus serotina</i>	Black Cherry	1.20m Ht	PT	2.0m O.C.
10%	105	<i>Quercus macrocarpa</i>	Burr Oak	1.20m Ht	PT	2.0m O.C.
5%	52	<i>Quercus rubra</i>	Red Oak	1.20m Ht	PT	2.0m O.C.
Deciduous Shrubs						
2%	21	<i>Pinus incana ssp. rugosa</i>	Speckled Alder	0.60m Ht	PT	2.0m O.C.
4%	42	<i>Pinus typhina</i>	Sluggish Sumac	0.60m Ht	PT	2.0m O.C.
2%	21	<i>Sorbus decora</i>	Showy Mountain-Ash	0.60m Ht	PT	2.0m O.C.
100%	1044					

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
ABC	1	<i>Abies concolor</i>	White Fir	200cm Ht	WB	As Shown
PG	3	<i>Picea glauca</i>	White Spruce	200cm Ht	WB	As Shown
PNS	8	<i>Pinus strobus</i>	Eastern White Pine	200cm Ht	WB	As Shown
Deciduous Trees						
AFS	5	<i>Acer x freemanii 'Sienna'</i>	Sienna Glen Maple	50mm Cal	WB	As Shown
AR	1	<i>Acer rubrum</i>	Red Maple	50mm Cal	WB	As Shown
ASB	3	<i>Acer saccharum 'Barrett Cole'</i>	Apollo Sugar Maple	50mm Cal	WB	As Shown
CEL	4	<i>Celtis occidentalis</i>	Hickberry	50mm Cal	WB	As Shown
CLU	3	<i>Cladonia kentuckea (formerl) Tubea</i>	Yellowwood	50mm Cal	WB	As Shown
GS	5	<i>Ginkgo biloba</i>	Ginkgo (Ma)	50mm Cal	WB	As Shown
GTS	6	<i>Gleditsia triacanthos var. inermis 'Shademaster'</i>	Shademaster Honeylocust	50mm Cal	WB	As Shown
GYE	5	<i>Gymnocladus dioica 'Espresso-JFS'</i>	Espresso Kentucky Coffee Tree	50mm Cal	WB	As Shown
NSW	3	<i>Nyssa sylvatica 'Wildfire'</i>	Wildfire Black Gum	50mm Cal	WB	As Shown
QA	6	<i>Quercus alba</i>	White Oak	50mm Cal	WB	As Shown
QR	4	<i>Quercus rubra</i>	Red Oak	50mm Cal	WB	As Shown
UAV	8	<i>Ulmus americana 'Valley Forge'</i>	Valley Forge Elm	50mm Cal	WB	As Shown
Deciduous Shrubs						
RAG	21	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Fragrant Sumac	60cm Ht	PT	160cm O.C.
Rur	14	<i>Rosa rugosa</i>	Rugosa Rose	60cm Ht	PT	110 cm O.C.
Ornamental Grasses						
ctf	54	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1g	PT	80cm O.C.

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

[Signature]

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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No.	REVISION	DATE	BY
5	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	RGJ
4	REVISED PER ADDENDUM	DEC 16/24	RGJ
3	REVISED PER CITY COMMENTS	DEC 11/24	RGJ
2	ISSUED FOR RFP TENDER SET 60%	NOV 21/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ

SCALE: 1:500

FOR REVIEW ONLY

MJT, RGJ, MJT, RGJ, RGJ, RGJ

NOVATECH logo and contact info.

LOCATION: CITY OF OTTAWA, 99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

DRAWING NAME: LANDSCAPE PLAN

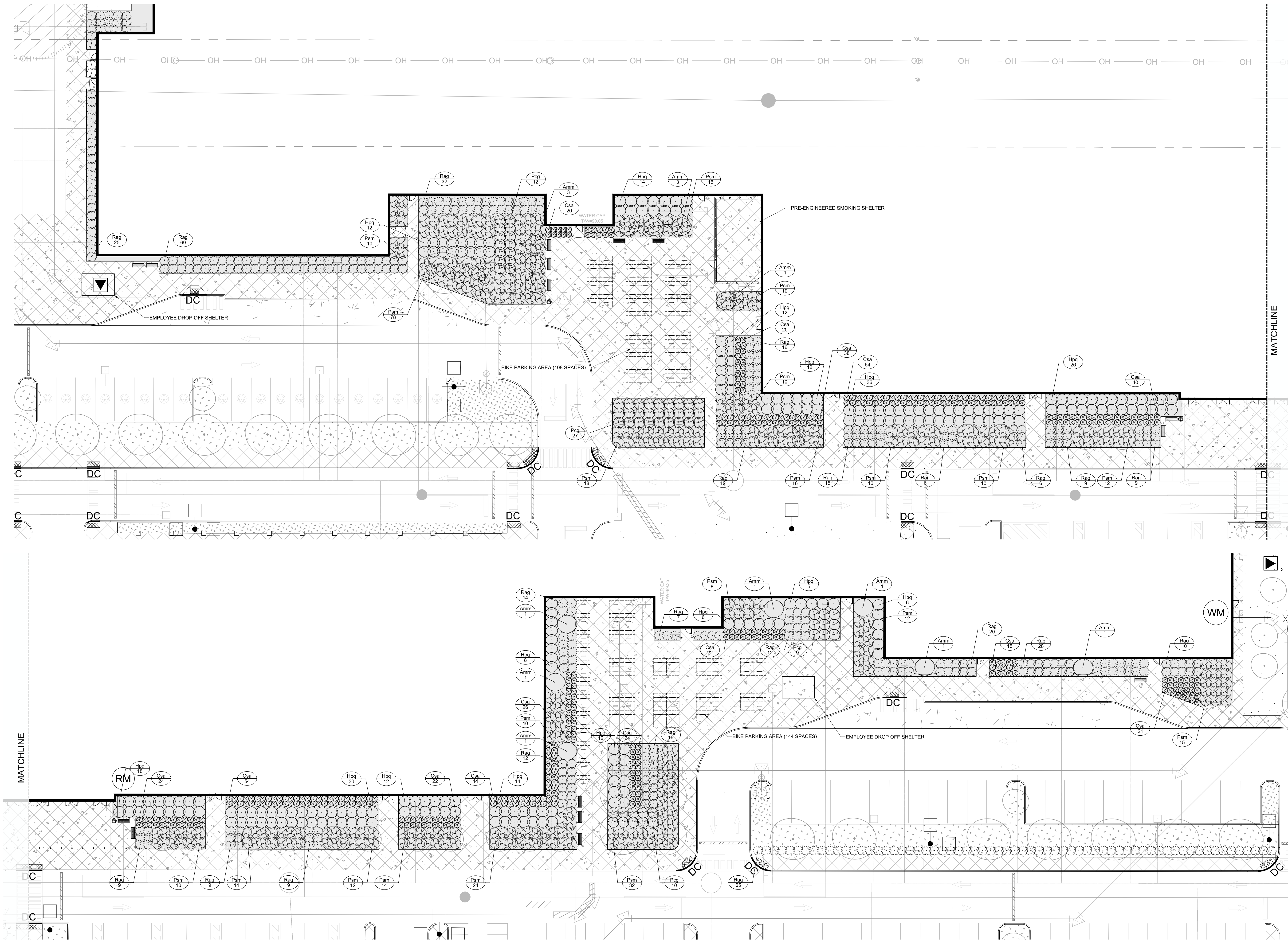
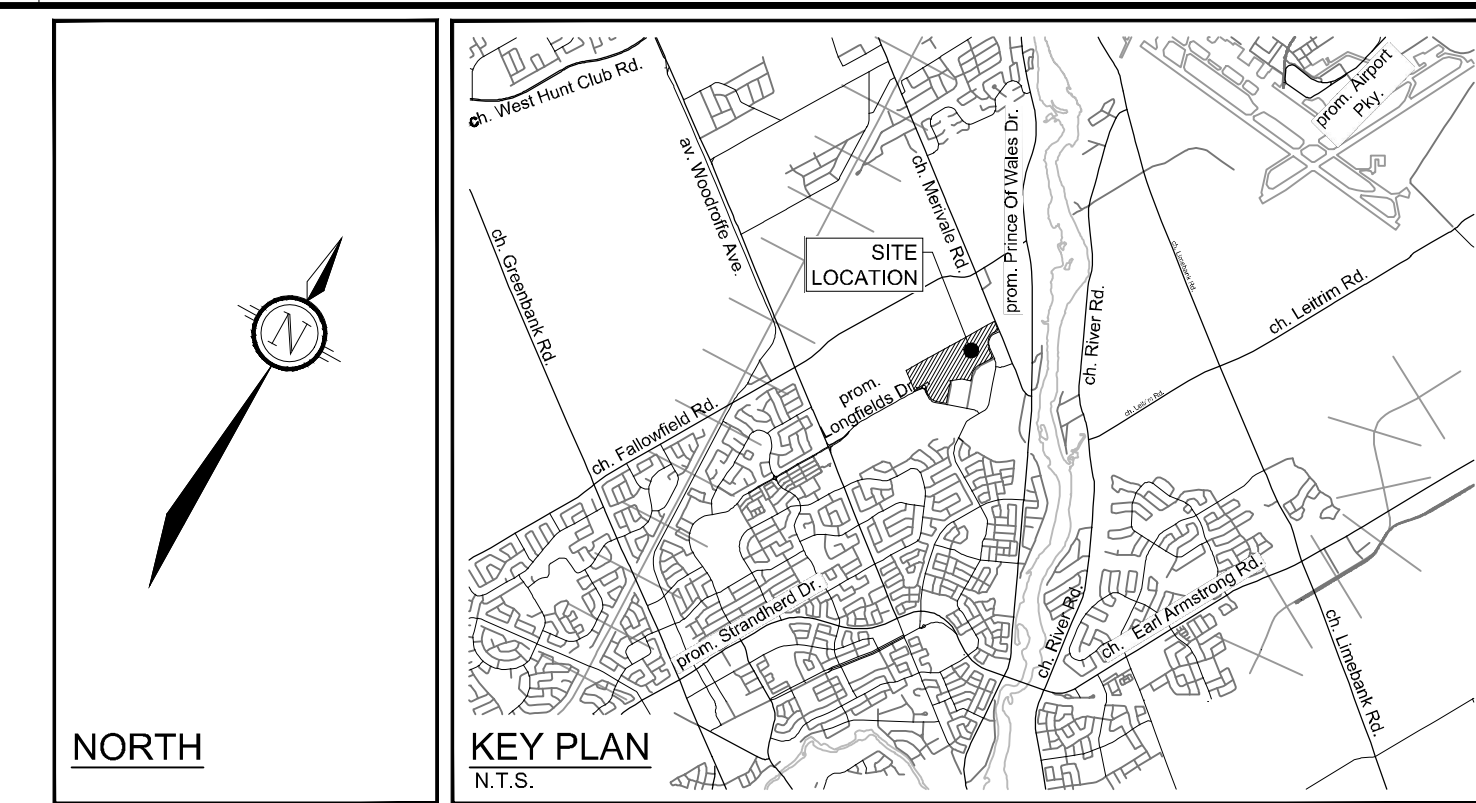
PROJECT No.: 124123

REV # 5

DRAWING No.: 124123-L6

C:\Users\mrc\Documents\mrc\Projects\207306\124123-L6.dwg U.S. Feb 13, 2025 - 10:53am mrc

D07-12-24-0139



- LEGEND**
- 3-D1 DETAIL SHEET # NOVATECH OR CITY
 - EG. L1, L2, ETC. DETAIL NUMBER SEE LIST FOR CODE
 - PROPERTY LIMIT
 - PROPOSED CONCRETE
 - GREENFIELDS SEED MIX
 - SHRUBS AND PERENNIALS
 - TREE COMPANION PLANTING
 - SHRUBS AND PERENNIALS
 - RIVERSTONE
 - REFORESTATION AREA
 - PROPOSED DECIDUOUS TREE
 - PROPOSED CONIFEROUS TREE
 - EXISTING TREE TO REMAIN
 - EXISTING TREE TO REMOVE
 - PROPOSED SHRUBS
 - KEY SPECIES (SEE PLANT LIST)
 - QUANTITY
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DETAILS)
 - PROPOSED PEDESTRIAN FENCE 1.5m HT
 - BENCH (MLB70P SEE DETAIL D9)
 - WASTE RECEPTACLE (MLWR200-32 SEE DETAIL D8)

- 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.
 - Reinstatement of 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 diseases, 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, W/B or B/B, 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 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:
 - Plant Beds - 450mm continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
 - Sod Seed Areas - 100mm depth.
 - 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 Nursery Landscape Association.
 - Apply the following mineral fertilizer unless soil tests show other requirements:
 - Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
 - Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350g/ha.
 - Reforestation - 300mm depth.
 - 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.

PLANT LIST (PRELIMINARY)

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Shrubs						
Pm	1	<i>Pinus mugo</i> 'Slowmount'	Slowmount Mugo Pine	3g	PT	As Show n
Deciduous Shrubs						
Amm	14	<i>Amenanchier canadensis</i> (Multi stem)	Canadian Serviceberry	150cm H	WB	As Show n
Cea	444	<i>Cornus sericea</i> 'Flavor'	Arctic Fire Dogwood	60cm H	PT	As Show n
Hpq	227	<i>Hydrangea paniculata</i> 'Quick Fire'	Quick Fire Hydrangea	60cm H	PT	As Show n
Pcg	60	<i>Physocarpus opulifolius</i> 'Centre Glow'	Centre Glow Ninesbark	60cm H	PT	As Show n
Rag	407	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac	60cm H	PT	As Show n

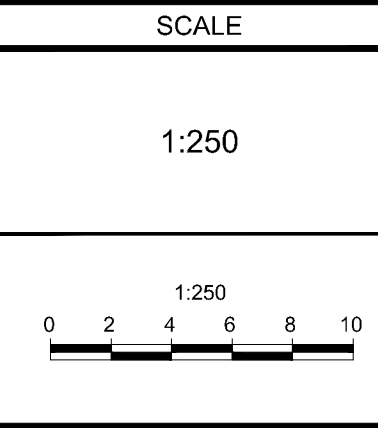
APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

[Signature]
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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2	ISSUED FOR RFP TENDER SET 60%	NOV 21/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ

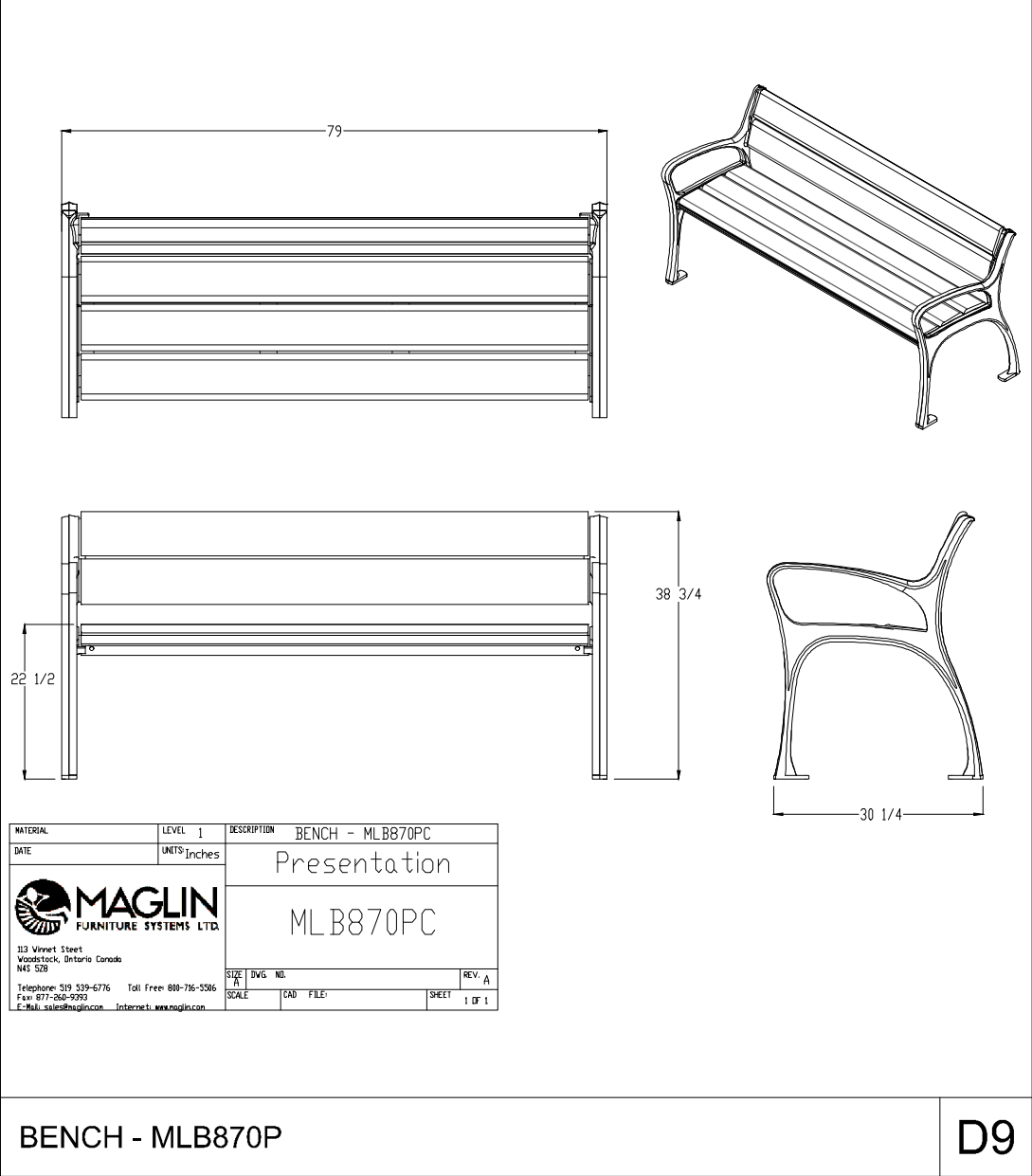
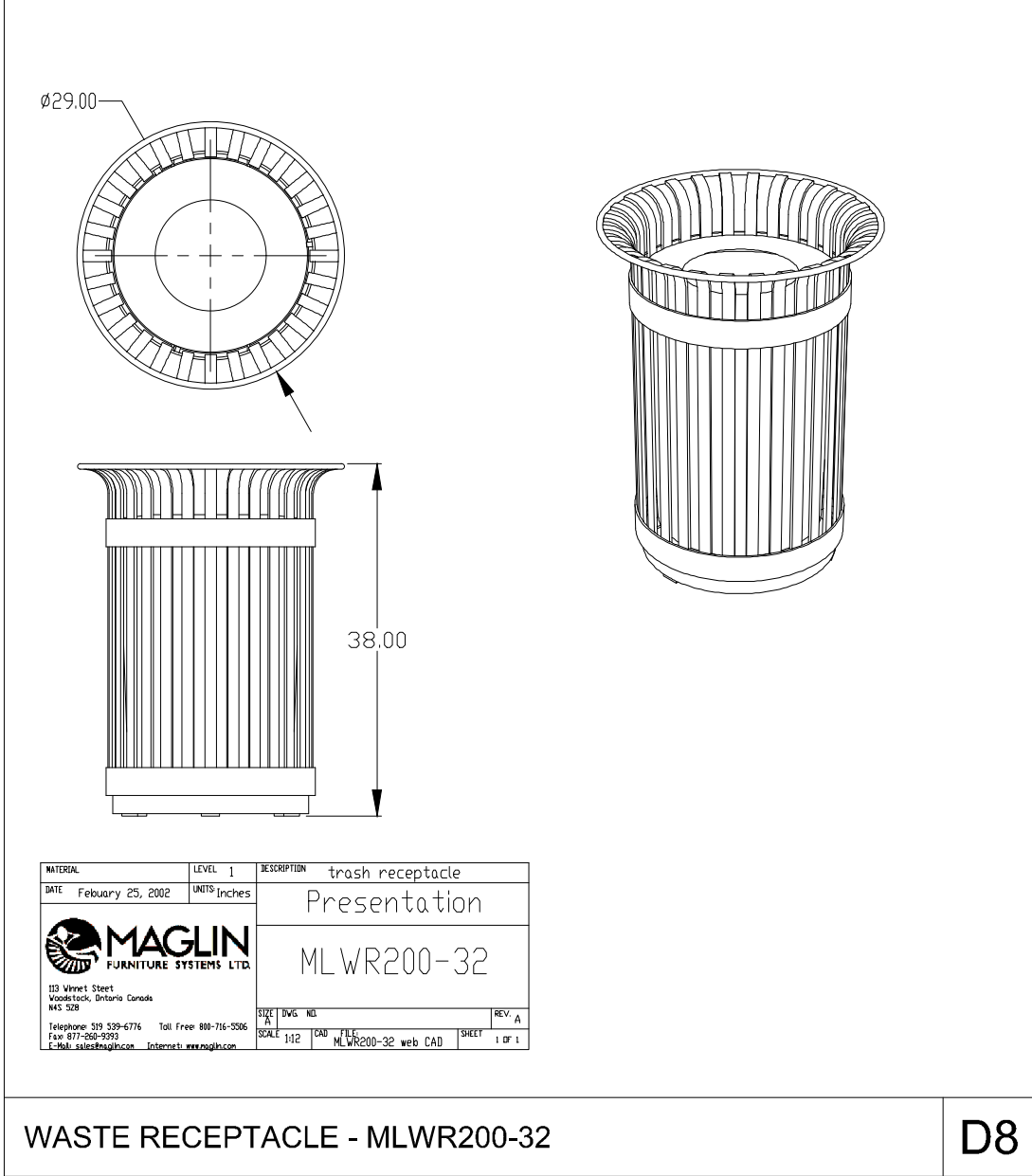
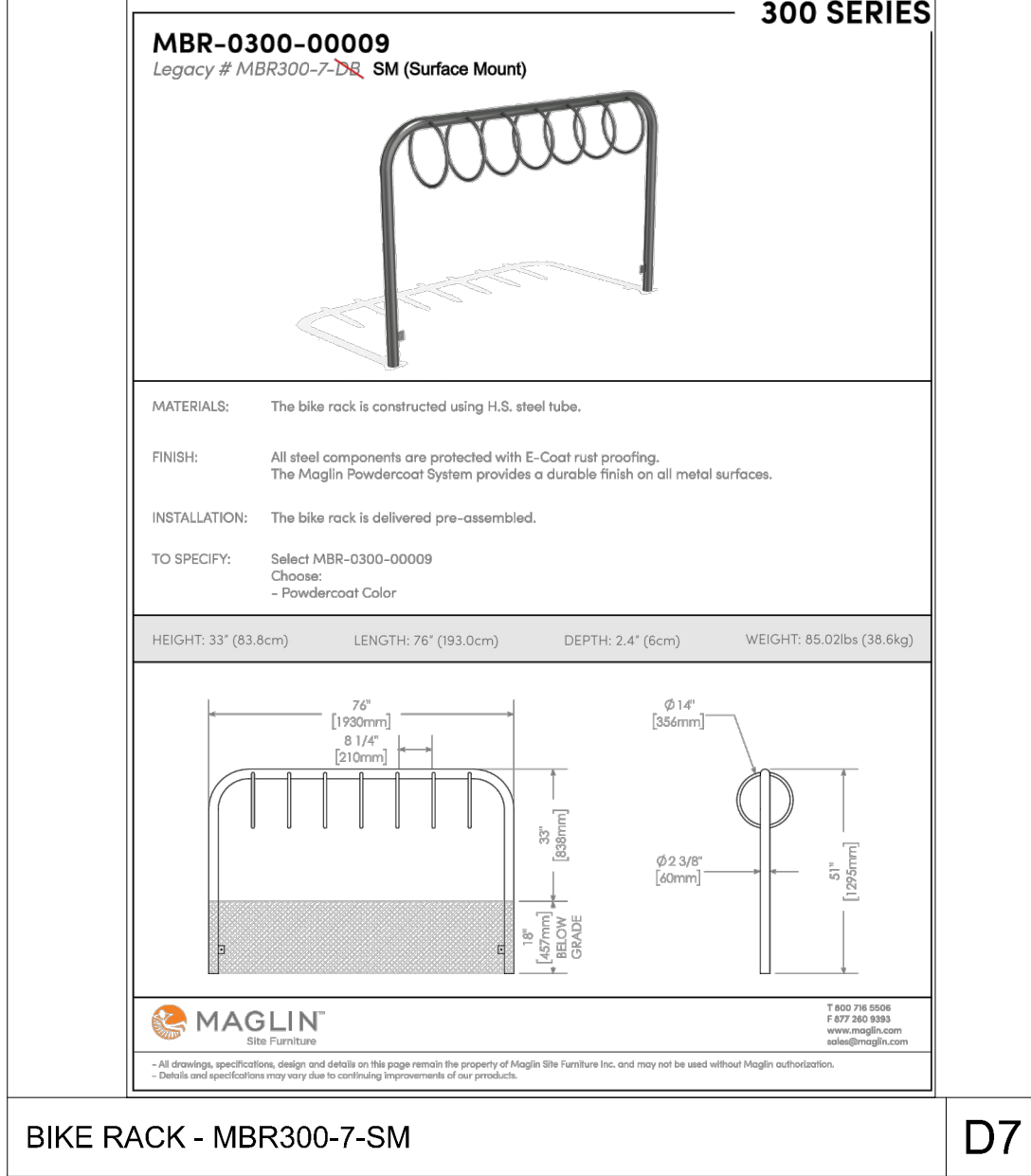
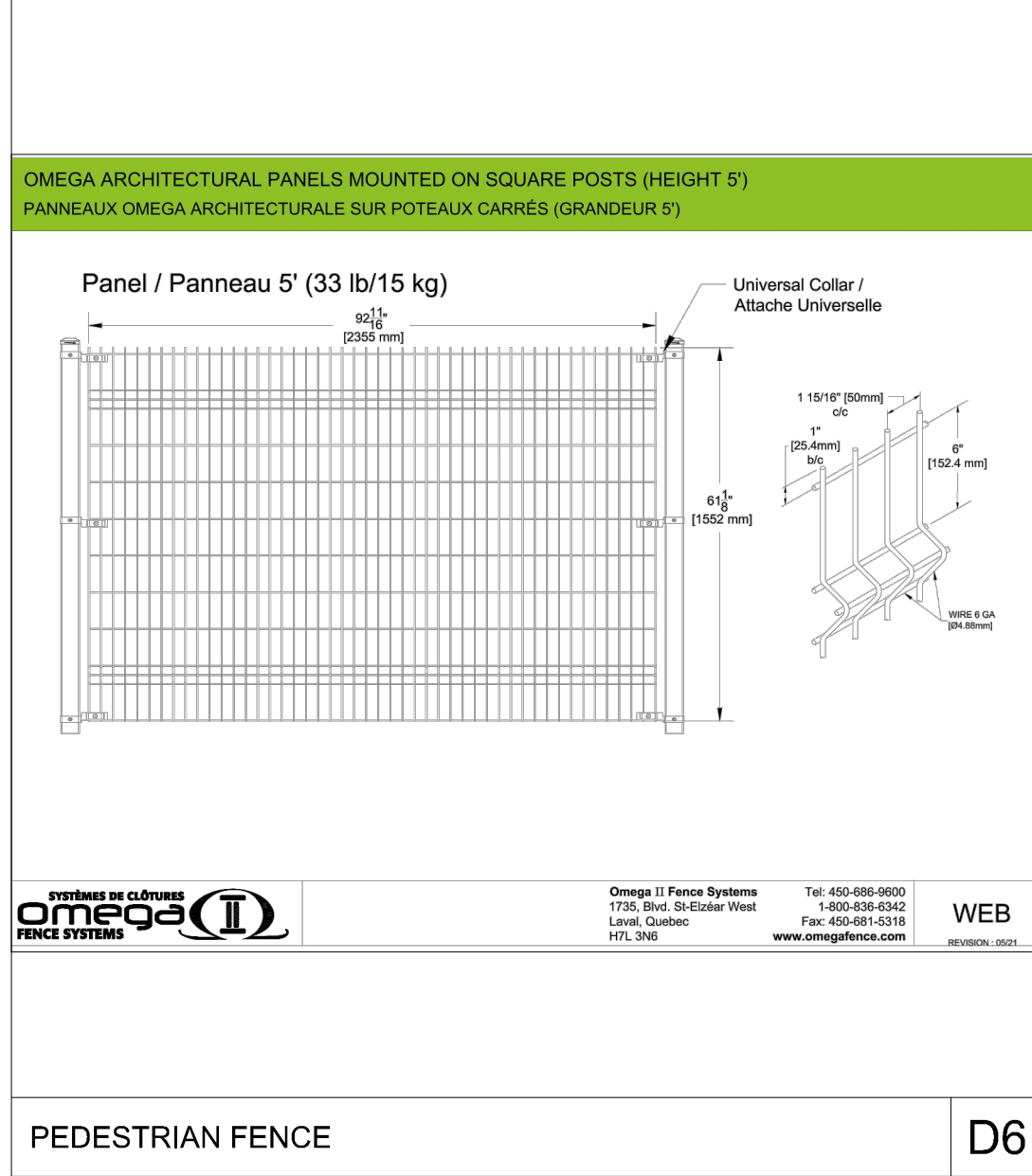
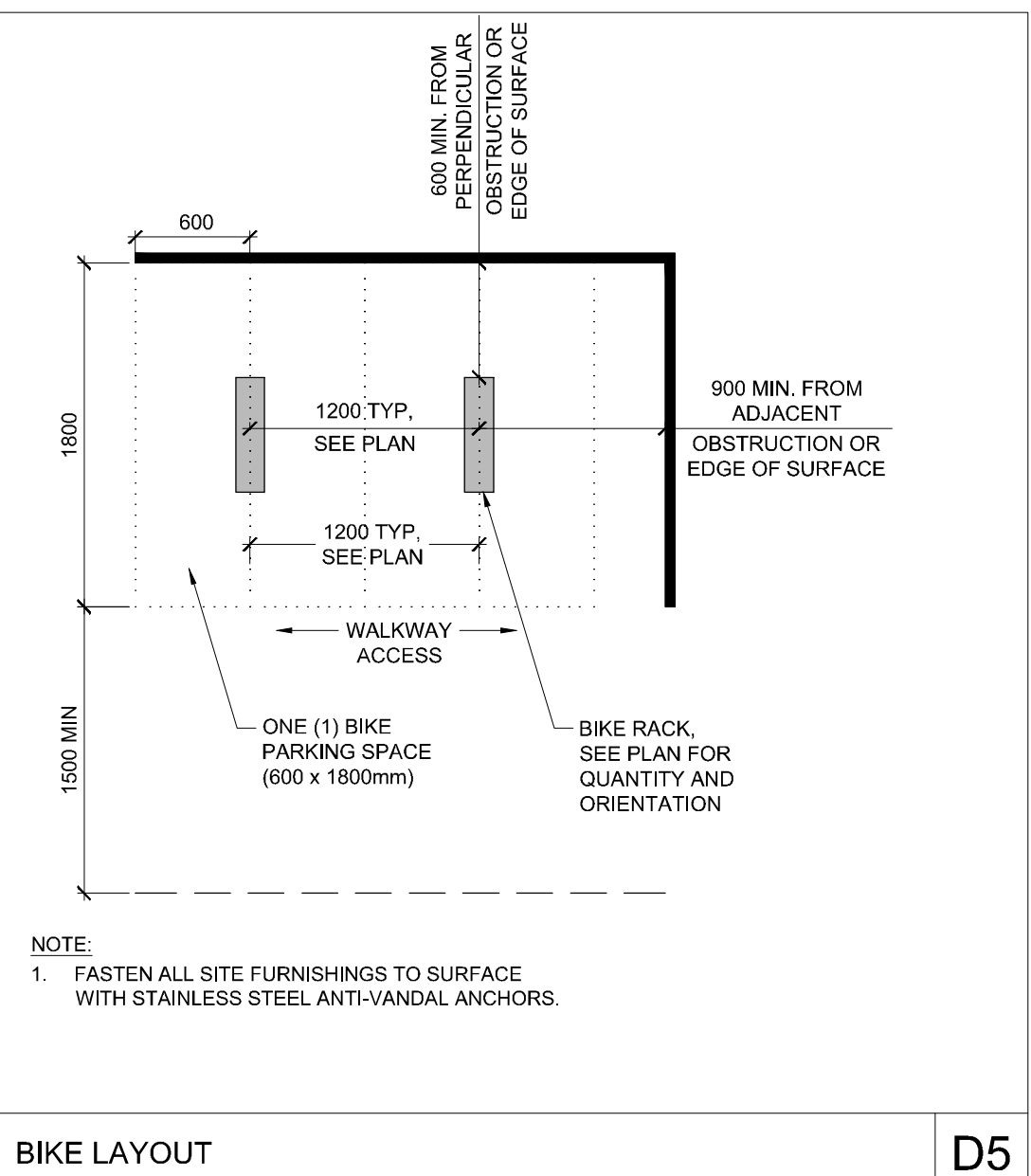
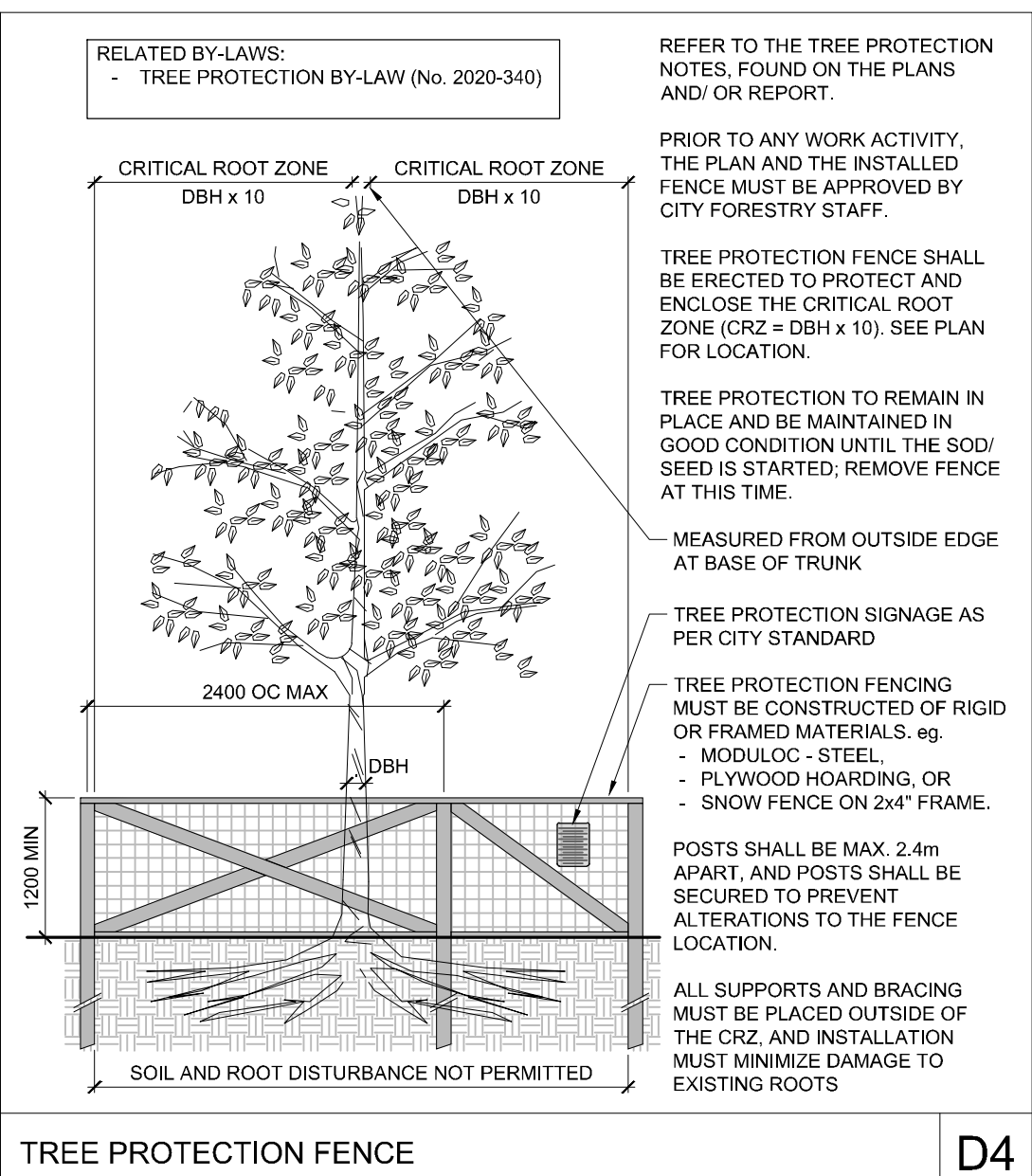
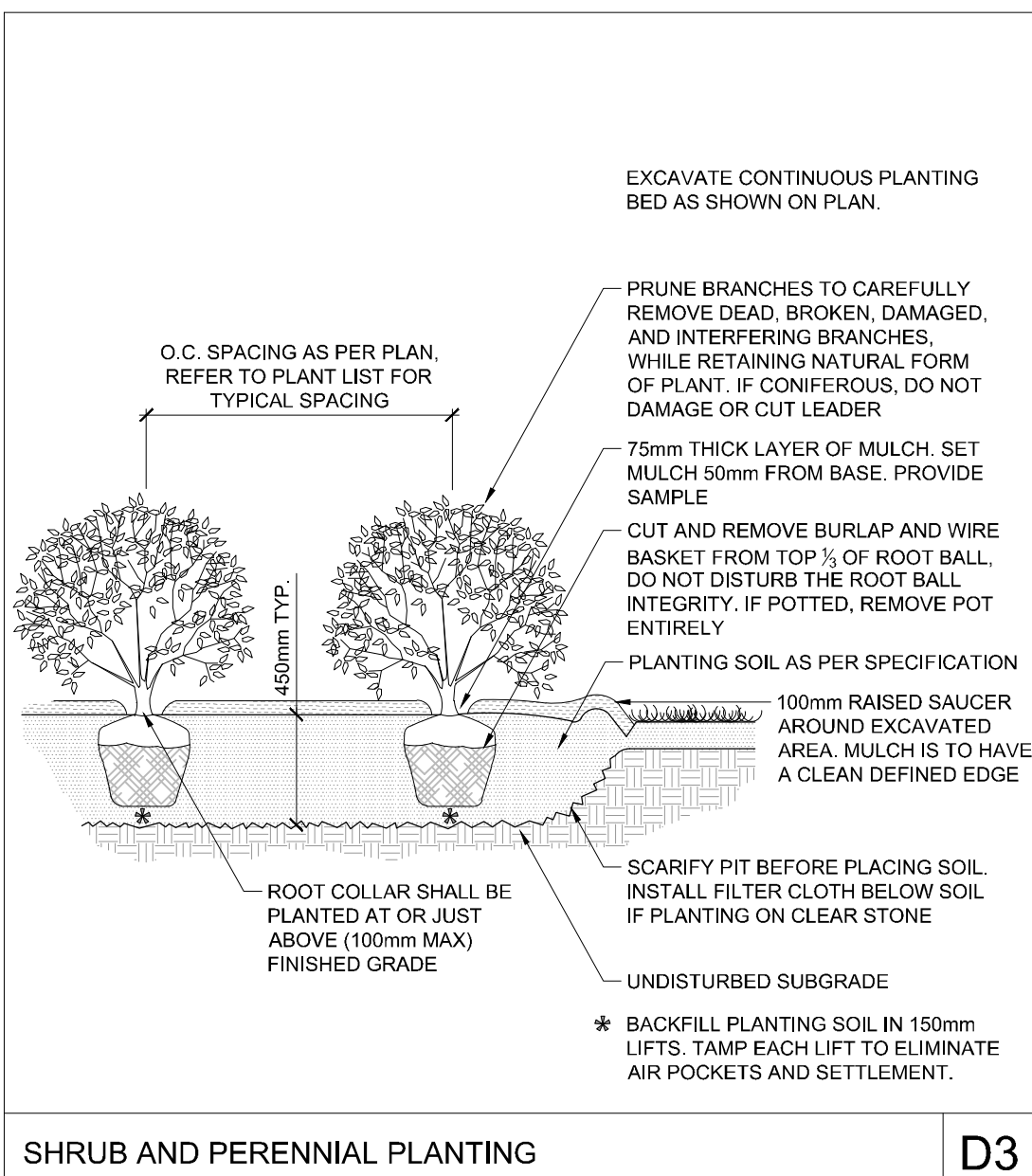
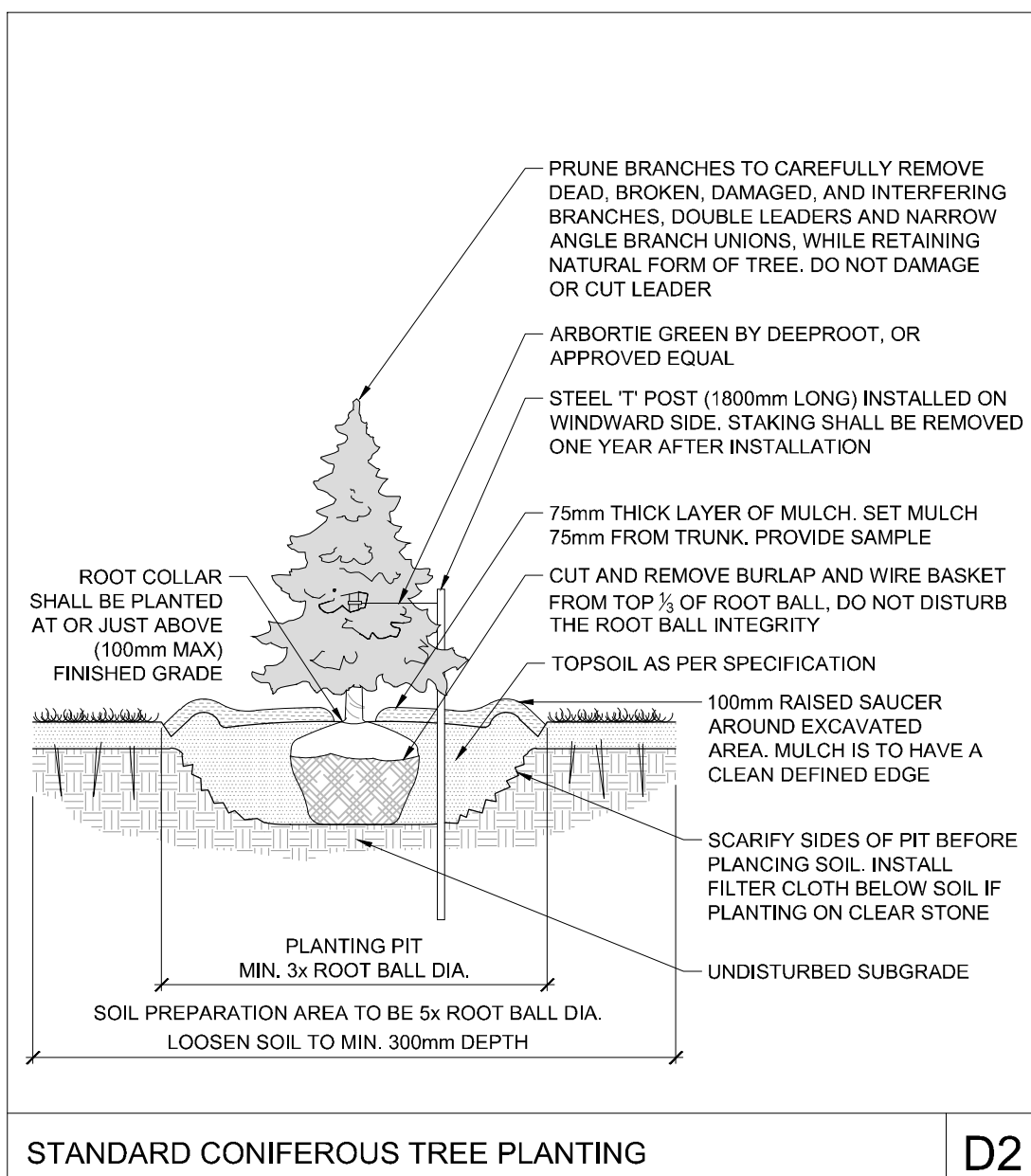
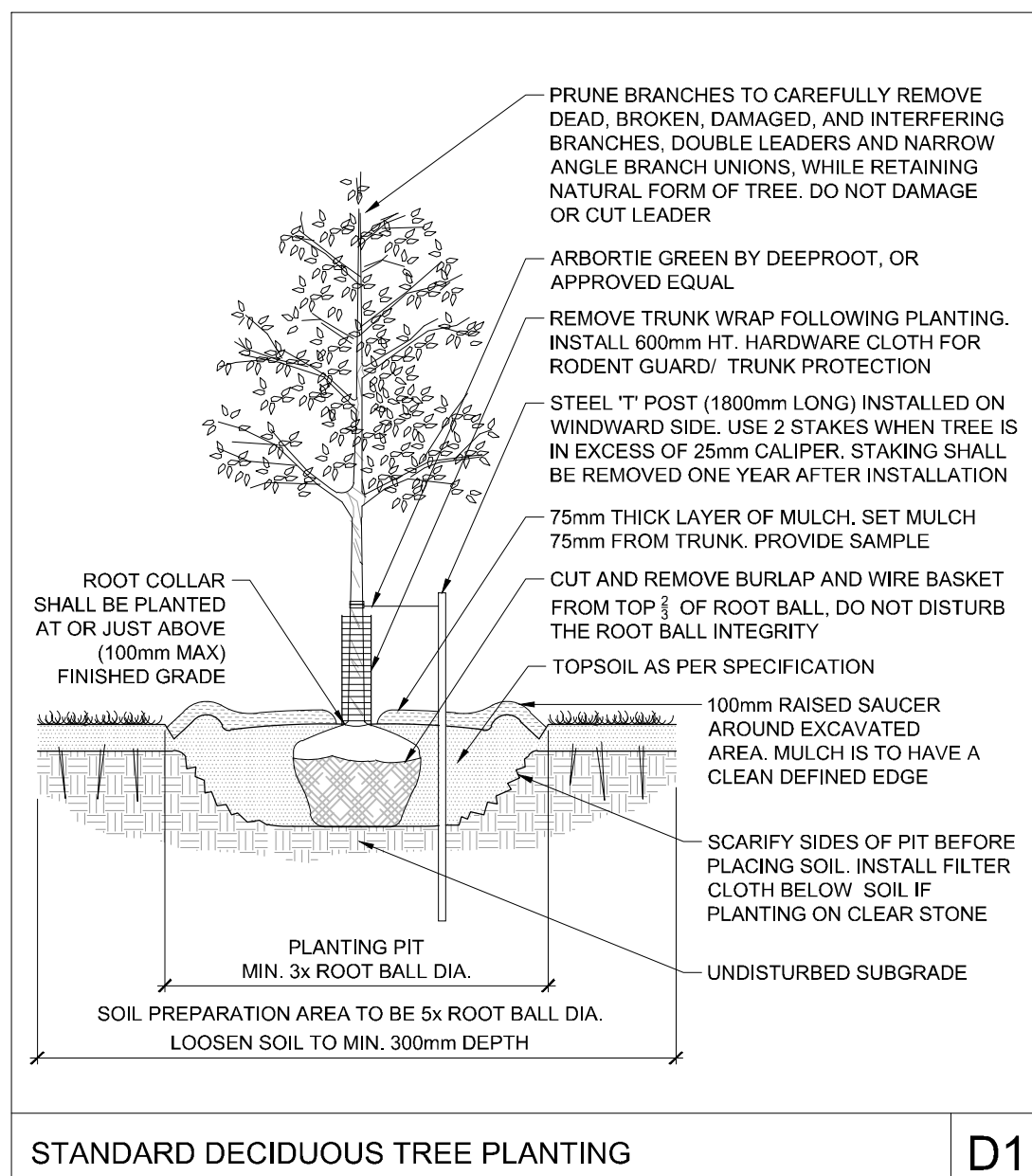


DESIGN	FOR REVIEW ONLY
CHECKED: MJT	
DRAWN: RGJ	
CHECKED: MJT	
APPROVED: RGJ	
APPROVED: RGJ	



NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Copland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE	PROJECT NO.: 124123
DRAWING NAME LANDSCAPE PLAN - ENTRANCE ENLARGEMENT	REV # 5
	DRAWING NO.: 124123-L7



SEED MIX AND APPLICATION

For areas steeper than 3:1, Contractor to apply erosion control blanket. Erosion control blanket to be machine woven mats made from natural wood, coco or cotton fiber, or combination depending on manufacturer, with stitching between two photo-degradable natural organic fiber nettings. Submit products for approval by Consultant. OPSS 804 applies except as may be amended and extended herein.

In addition to the specified seed mixes, all applications are to include a nurse crop as noted.

- NURSE CROP**
- Annual Ryegrass Seeding Rate: 25kg/hectare
- LOW NATIVE SEED MIX BY DLF**
- Seeding Rate: 25kg/hectare
- GREENFIELDS SEED MIX BY DLF**
- Seeding Rate: 17kg/hectare

SEED

OPSS 804 shall apply except as may be amended and extended herein.

DESIGN AND SUBMISSION REQUIREMENTS

When requested by the Contract Administrator, the Contractor shall submit a copy of invoice/receipt from seed supplier indicating dates, all seeds, quantity and lots acquired and all original seed package labels, to confirm shipping dates and total quantity of seed purchased and used on the project. The Contractor shall ensure all original seed labels are preserved and maintained until acceptance.

MATERIALS

Seed Mixes: Seed mixes shall be Certified Canada No. 1 Grade, selected from the current year supply and shall be as specified on the contract drawings.

CONSTRUCTION

General: The Contractor shall, together with any and all Subcontractors involved in the work of this section, examine all surfaces or conditions relating to the work, in order to determine the acceptability of such surfaces or conditions for the work of this section to commence. The Contractor is to verify that finished grades are correct and surface preparation has been completed.

Seeding operations are to be scheduled within the following seeding windows:

- Spring start-up to May 31st
- August 1st to September 30th

Work is not to be performed in adverse site conditions, including winds over 10km/h, ground covered with snow, ice, or standing water. Work is not to be performed on frozen soil or in temperatures which would inhibit seed germination, unless dormant seeding is approved by the Contract Administrator.

Topsoil: Topsoil is to be placed to a uniform compacted depth in seed and sod areas; 15mm below finished grade for sod areas and at finished grade for seed areas. Depths shall be as specified for the applicable item.

Fine grade and loosen topsoil prior to seed/sod operations. Eliminate rough and low spots to ensure positive drainage. A loose friable bed is to be prepared by means of cultivation and subsequent raking, harrowing or gilling. Topsoil is to be consolidated prior to placement of surface treatment, leaving the surface smooth, uniform, firm against deep foot printing, and with a fine, loose texture.

Nurse Crop: In addition to the specified seed mixes, all applications shall include a nurse crop in the form of Annual Ryegrass, or an approved equivalent. Application rate: 25kg/ha.

Maintenance: Seeded areas are to be maintained by the Contractor until acceptance.

Seeded areas shall be watered in sufficient quantities and at the frequency required to maintain optimum soil moisture level for germination and continued healthy growth of grass. Avoid washout of soil, and immediately repair and reseed any areas damaged due to washouts.

The Contractor is to control and eliminate damaging pests when they appear in newly seeded areas. Areas showing root growth failure, deterioration, bare or thin spots, or which have been damaged by any means or cause, including replacement operations, shall be reseeded. Over-seed areas which show inadequate or improper seed growth.

Acceptance:

Acceptance will be given provided that:

- Seeded areas are properly, uniformly and well established.
- Seeded areas are free of bare and dead spots and relatively weed-free; containing no more than five (5) broadleaf weeds, twenty five (25) annual weeds, or weedy grasses per (100) square metres.
- For Low Native Seed Mix: Seeded areas show adequate and proper seed establishment ninety (90) consecutive calendar days following completion of seeding operation.
- For Greenfields Seed Mix: Seeded areas show adequate and proper seed establishment ninety (90) consecutive calendar days following completion of seeding operation.

A review for acceptance may be postponed if the acceptance conditions cannot be properly assessed at that time of year.

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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No.	REVISION	DATE	BY
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ
2	ISSUED FOR RFP TENDER SET 62%	NOV 21/24	RGJ
3	REVISED PER CITY COMMENTS	DEC 16/24	RGJ
4	REVISED PER ADDENDUM	DEC 16/24	RGJ
5	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	RGJ

SCALE	DESIGN	CHECKED	DRAWN	APPROVED
NTS	MJT	RGJ	MJT	RGJ
NTS	RGJ			RGJ

FOR REVIEW ONLY

NOVATECH
Engineers, Planners & Landscape Architects
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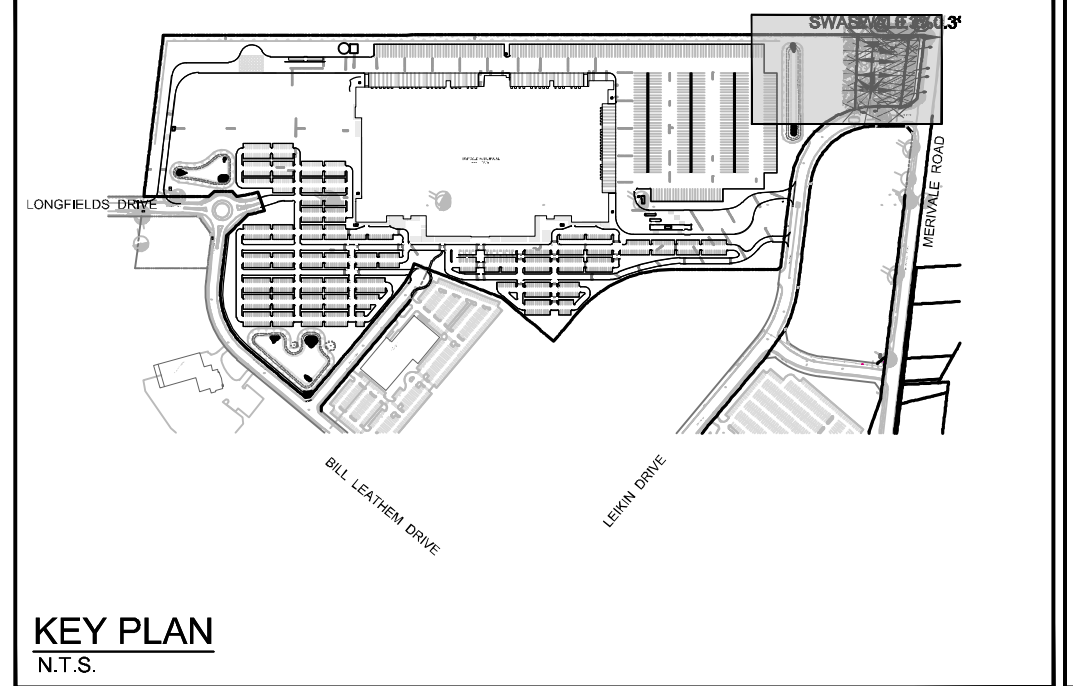
LOCATION
CITY OF OTTAWA
99 BILL LEATHERM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
LANDSCAPE DETAILS

PROJECT NO.: 124123
REV # 5
DRAWING NO.: 124123-DTL

APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



NORTH

LEGEND

- 3-D1 DETAIL SHEET # NOVATECH OR CITY
EG. L1, L2, ETC. DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- PROPOSED CONCRETE
- SHRUBS AND PERENNIALS - TREE COMPANION PLANTING
- SHRUBS AND PERENNIALS
- RIVERSTONE
- REFORESTATION AREA
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE
- PROPOSED SHRUBS
- SPECIES (SEE PLANT LIST)
- QUANTITY
- PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DETAILS)
- PROPOSED PEDESTRIAN FENCE 1.5m HT
- BENCH (MLB870P SEE DETAIL D9)
- WASTE RECEPTACLE (MLWR200-32 SEE DETAIL D8)

SEED MIX AND APPLICATION

For areas steeper than 3:1, Contractor to apply erosion control blanket. Erosion control blanket to be machine woven mats made from natural wood, coir or cotton fiber, or combination depending on manufacturer, with stitching between two photo-degradable natural organic fiber nettings. Submit products for approval by Consultant. OPSS 804 applies except as may be amended and extended herein. Seed application is to be conducted mechanically using a Brillion seeder as per City of Ottawa specification 2023 32 92 19 13.

In addition to the specified seed mixes, all applications are to include a nurse crop as noted.

- NURSE CROP
 - Annual Ryegrass
 - Seeding Rate: 25kg/hectare
- CAMPUS GREEN SEED MIX BY DLF
 - Seeding Rate: 180kg/hectare

GENERAL

1. 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.
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PLANTING

1. 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.
2. 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, WB or B.B., as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
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7. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
 - a. Plant Beds - 450mm continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
 - b. Sod/ Seed Areas - 100mm depth.
 - c. Reforestation - 300mm depth.
8. 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 Nursery Landscape Association.
9. 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.
12. Where applicable, for any plant areas with a mix of species/cultivar notes, Contractor is to cluster like plants in groups of 3-5 and evenly distribute these in the noted areas.

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
PG	5	<i>Picea glauca</i>	White Spruce	200cm Ht	WB	As Shown
PNS	8	<i>Pinus strobus</i>	Eastern White Pine	200cm Ht	WB	As Shown
PP	8	<i>Picea pungens</i>	Cobalt Spruce	200cm Ht	WB	As Shown
Deciduous Trees						
AFS	5	<i>Acer x freemanii 'Sennae'</i>	Sennae Glen Maple	50mm Cal	WB	As Shown

REFORESTATION SPECIES MIX (PARK ONLY)

%	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
5%	14	<i>Abies balsamea</i>	Balsam Fir	0.60m Ht	PT	2.0m O.C.
6%	17	<i>Larix laricina</i>	Tamarack	0.60m Ht	PT	2.0m O.C.
5%	14	<i>Picea glauca</i>	White Spruce	0.60m Ht	PT	2.0m O.C.
7%	19	<i>Pinus strobus</i>	Eastern White Pine	0.60m Ht	PT	2.0m O.C.
5%	14	<i>Thuja occidentalis</i>	Eastern White Cedar	0.60m Ht	PT	2.0m O.C.
Deciduous Trees						
3%	8	<i>Acer rubrum</i>	Red Maple	1.20m Ht	PT	2.0m O.C.
3%	8	<i>Acer saccharinum</i>	Silver Maple	1.20m Ht	PT	2.0m O.C.
7%	19	<i>Acer saccharum</i>	Sugar Maple	1.20m Ht	PT	2.0m O.C.
5%	14	<i>Celtis occidentalis</i>	Hickberry	1.20m Ht	PT	2.0m O.C.
2%	6	<i>Juglans cinerea</i>	Butternut	1.20m Ht	PT	2.0m O.C.
4%	11	<i>Juglans nigra</i>	Black Walnut	1.20m Ht	PT	2.0m O.C.
5%	14	<i>Ostrya virginiana</i>	Hornwood	1.20m Ht	PT	2.0m O.C.
6%	17	<i>Populus balsamifera</i>	Balsam Poplar	1.20m Ht	PT	2.0m O.C.
7%	19	<i>Populus tremuloides</i>	Trembling Aspen	1.20m Ht	PT	2.0m O.C.
5%	14	<i>Prunus serotina</i>	Black Cherry	1.20m Ht	PT	2.0m O.C.
10%	28	<i>Quercus macrocarpa</i>	Burr Oak	1.20m Ht	PT	2.0m O.C.
5%	14	<i>Quercus rubra</i>	Red Oak	1.20m Ht	PT	2.0m O.C.
Deciduous Shrubs						
4%	11	<i>Alnus incana ssp. rugosa</i>	Speckled Alder	0.60m Ht	PT	2.0m O.C.
4%	11	<i>Rhus typhina</i>	Staghorn Sumac	0.60m Ht	PT	2.0m O.C.
2%	6	<i>Sorbus decora</i>	Showy Mountain-Ash	0.60m Ht	PT	2.0m O.C.
100%	278					



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No.	REVISION	DATE	BY
5	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	RGJ
4	REVISED PER ADDENDUM	DEC 16/24	RGJ
3	REVISED PER CITY COMMENTS	DEC 11/24	RGJ
2	ISSUED FOR RFP TENDER SET 60%	NOV 21/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ

SCALE: 1:500

FOR REVIEW ONLY

MJT
RGJ
MJT
RGJ
RGJ

LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
PARK BLOCK
LANDSCAPE PLAN

PROJECT NO.: 124123
REV # 5
DRAWING NO.: 124123-L9

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Copeland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

EXISTING TREE INVENTORY - GROUPS

Key	Botanical Name	Common Name	DBH	Owner	Remarks	Recomm.
GROUP A						
A	Quercus macrocarpa	Bur oak	19m	Client	In good condition and many regenerating	Protect
A	Populus tremuloides	Trembling Aspen	20m	Client	Sub stems are present	Protect
A	Fraxinus americana	White Ash		Client	Most of the ash trees are in very poor condition due to emerald ash borer.	Remove
A	Thuja americana	Redwood		Client		Protect
A	Fraxinus pennsylvanica	Green Ash		Client		Remove
A	Acer spicatum	Spotted Elm		Client		Remove
A	Ulmus americana	White Elm		Client		Remove
A	Salix	Willow		Client		Remove
GROUP B						
B	Fraxinus americana	White Ash	30m	Client		Remove
B	Ulmus americana	White Elm	30m	MAX	Client	Very ill leaf out
B	Acer negundo	Manitoba Maple		Client		Remove
B	Fraxinus pennsylvanica	Green Ash		Client		Remove
GROUP C						
C	Quercus macrocarpa	Bur oak		Client	Regenerating stems	Protect
C	Thuja americana	Redwood	20m	MAX	Client	
C	Fraxinus pennsylvanica	Green ash		Client		Remove
C	Acer rubrum	Red maple		Client	A minor representation of redmaples	Protect
C	Sorbus acerpa	European mountain ash		Client		Remove

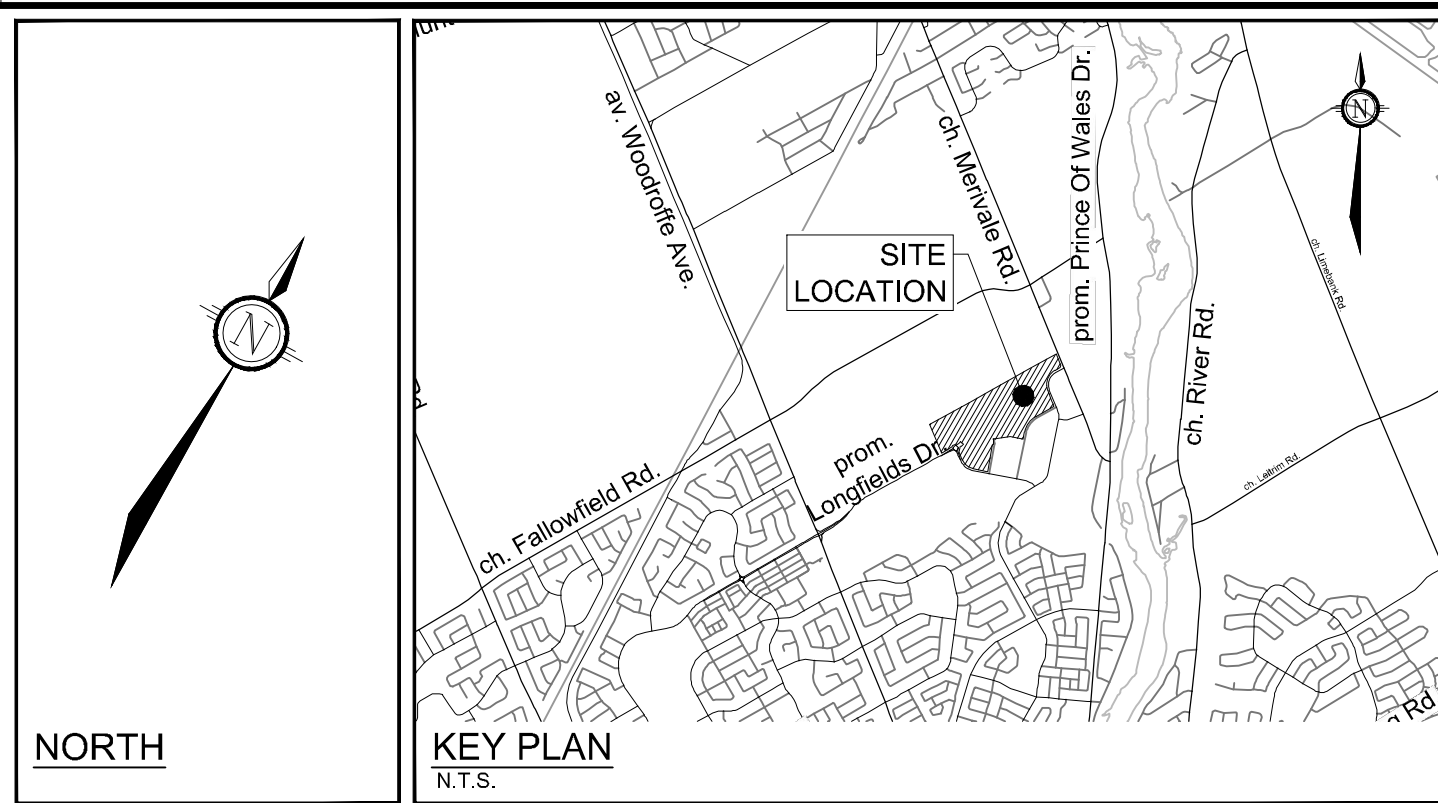
Key	Botanical Name	Common Name	DBH	Owner	Remarks	Recomm.
GROUP D						
D	Acer negundo	Manitoba Maple	25cm	Client	Poor structure with several nearly horizontal trunks near the base of trees	Protect
D	Fraxinus americana	White Ash	MAX	Client	Apparent dead, cavities at the top of dead ash trunks	Remove
GROUP E						
E	Populus tremuloides	Trembling Aspen	44cm	MAX	Client	Dominant in small tree areas in the leaf-out
E	Ulmus americana	White elm		Client		Remove
E	Picea glauca	White spruce		Client		Remove
E	Ulmus pumila	Siberian elm	10m	30cm	Client	
E	Salix	Creek willow		Client		Remove
E	Acer negundo	Manitoba Maple		Client		Remove
E	Salix	Slender willow and Beld's willow		Client		Remove
GROUP F						
F	Quercus alba	Red oak		Neighbor	Along the Patagon ave	Protect
F	Gleditsia	Honeylocust		Neighbor		Protect
F	Picea glauca	White spruce		Neighbor		Protect
F	Thuja occidentalis	White cedar		Neighbor		Protect
F	Fraxinus americana	Trembling aspen		Neighbor	Regenerating stems	Protect

TREE PROTECTION

- Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:
- The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
 - Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence detail.
 - Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
 - Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
 - Do not attach any signs, notices, or posters to any tree.
 - Do not disturb, raise, or lower the existing grade within the CRZ without approval.
 - Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ, absolutely no machinery permitted.
 - Do not damage the root system, trunk, or branches, or any tree.
 - Do not extend hard surface or significantly change landscaping.
 - Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
 - When trees marked for removal overlap with the CRZ of trees marked for preservation, cut roots at the edge of the CRZ and grid down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
 - Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
 - If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
 - Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
 - The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
 - City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

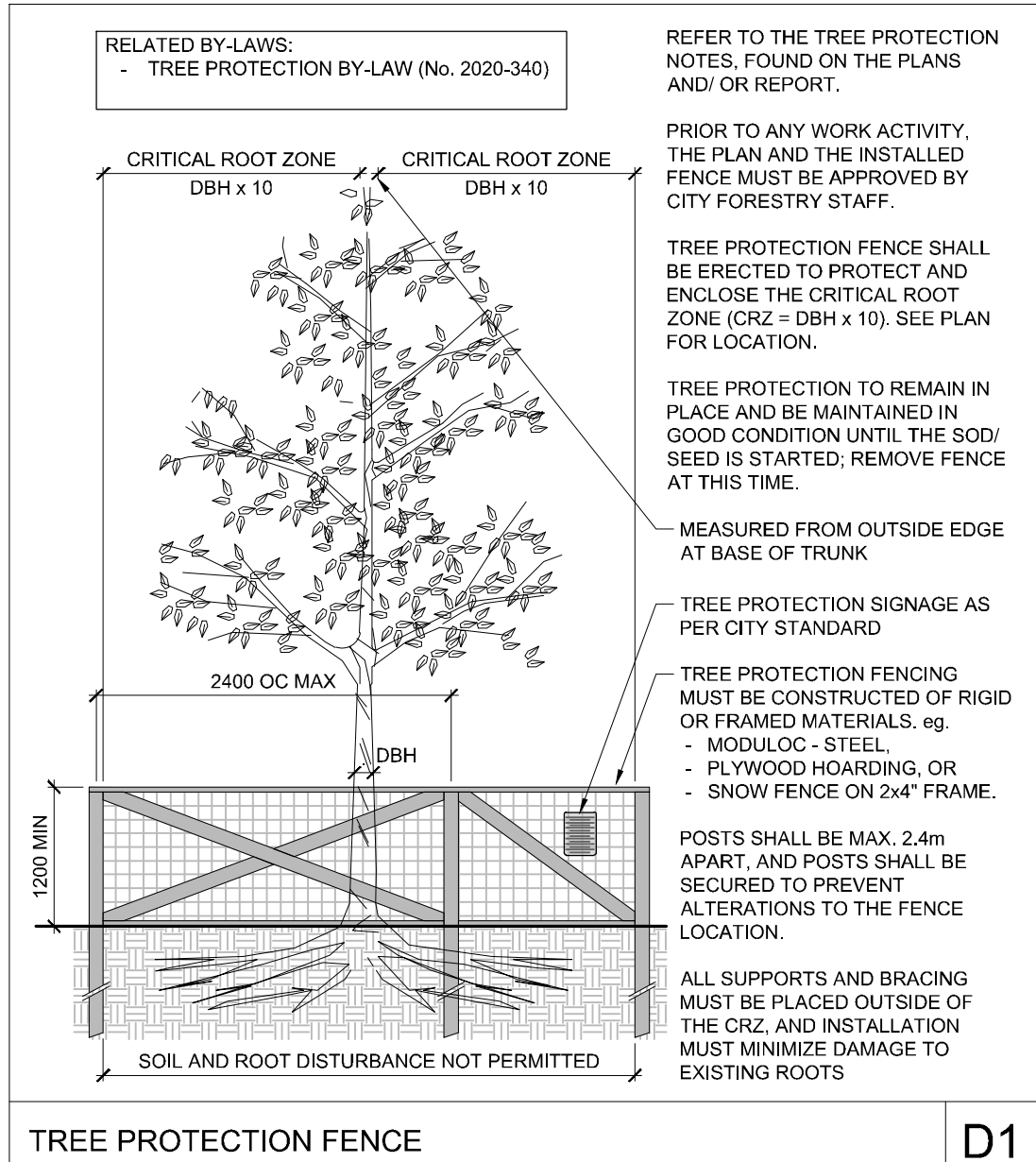
LEGEND

- 3-D1 DETAIL SHEET # - NOVATECH OR CITY EG. L1, L2, ETC. - DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
- EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ
- EXISTING TREE GROUP TO BE RETAINED
- EXISTING TREE GROUP TO BE REMOVED
- TREE PROTECTION FENCE

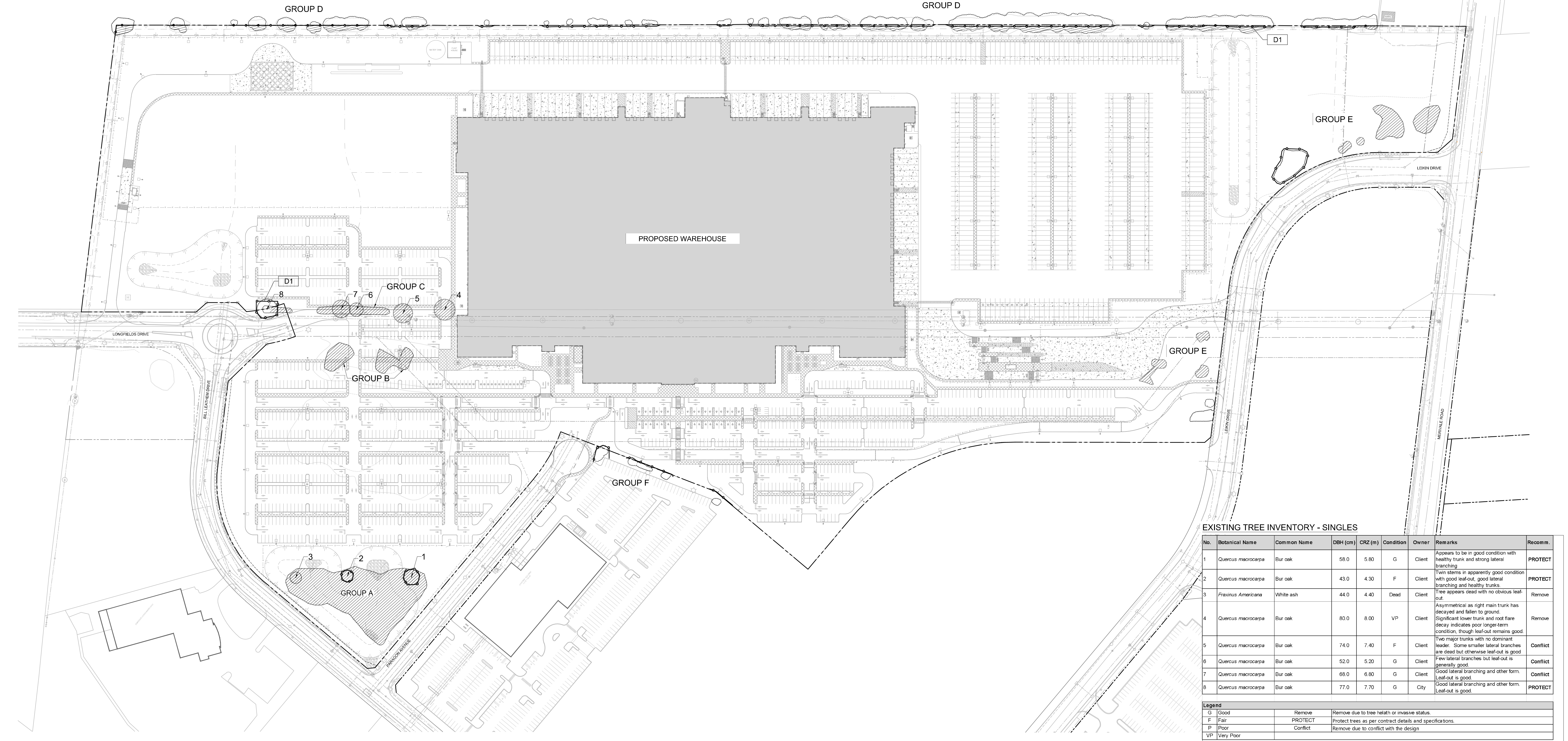


APPROVED
By Lily Xu at 1:58 pm, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



D1



EXISTING TREE INVENTORY - SINGLES

No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	Quercus macrocarpa	Bur oak	58.0	5.80	G	Client	Appears to be in good condition with healthy trunk and strong lateral branching	PROTECT
2	Quercus macrocarpa	Bur oak	43.0	4.30	F	Client	Twin stems in apparently good condition with good leaf-out, good lateral branching and healthy trunks	PROTECT
3	Fraxinus Americana	White ash	44.0	4.40	Dead	Client	Tree appears dead with no obvious leaf-out	Remove
4	Quercus macrocarpa	Bur oak	80.0	8.00	VP	Client	Asymmetrical as right main trunk has decayed and fallen to ground. Significant lower trunk and root flare decay indicates poor longer-term condition, though leaf-out remains good	Remove
5	Quercus macrocarpa	Bur oak	74.0	7.40	F	Client	Two major trunks with no dominant leader. Some smaller lateral branches are dead but otherwise leaf-out is good	Conflict
6	Quercus macrocarpa	Bur oak	52.0	5.20	G	Client	Few lateral branches but leaf-out is generally good	Conflict
7	Quercus macrocarpa	Bur oak	68.0	6.80	G	Client	Good lateral branching and other form leaf-out is good	Conflict
8	Quercus macrocarpa	Bur oak	77.0	7.70	G	City	Good lateral branching and other form leaf-out is good	PROTECT

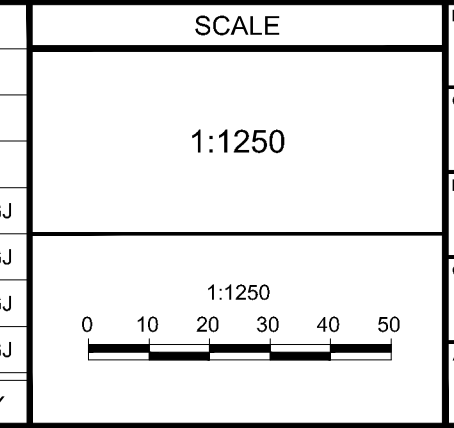
Legend

G	Good	Remove	Remove due to tree health or invasive status.
F	Fair	PROTECT	Protect trees as per contract details and specifications.
P	Poor	Conflict	Remove due to conflict with the design
VP	Very Poor		

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4	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	RGJ
3	REVISED PER TREE PERMIT APPLICATION	JAN 8/25	RGJ
2	REVISED PER CITY COMMENTS	DEC 11/24	RGJ
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	RGJ



DESIGN	MJT	FOR REVIEW ONLY
CHECKED	RGJ	
DRAWN	TCB	
CHECKED	RGJ	
APPROVED	RGJ	



LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE	PROJECT NO. 124123
DRAWING NAME TREE CONSERVATION REPORT EXISTING CONDITIONS	REV #4 124123-TCR1

D07-12-24-0139