

Tree Inventory Chart

Table #1. Tree Number, Recommendations, Tree Species, Diameter at Breast Height (DBH), Condition Rating, and Tree Category										
Tree #	P	M	R	Tree Species	DBH (cm)	Cond.	Category	1	2	3
#1	P			Japanese Lilac <i>Syringa reticulata</i>	6	F	3			
#2	P			Japanese Lilac <i>Syringa reticulata</i>	3.5	F	3			
#3	P			Japanese Lilac <i>Syringa reticulata</i>	3	F	3			
#4	P			Japanese Lilac <i>Syringa reticulata</i>	3.5	F	3			
#5	P			Flowering Crab <i>Malus baccata</i>	11	F	3			
#6	P			Japanese Lilac <i>Syringa reticulata</i>	3	F	3			
#7	P			Japanese Lilac <i>Syringa reticulata</i>	4	D	3			
#8	P			Japanese Lilac <i>Syringa reticulata</i>	6	G	3			
#9	P			Japanese Lilac <i>Syringa reticulata</i>	8	F	3			
#10	P			White Mulberry <i>Morus alba</i>	19	G	3			
#11	P			Horse Chestnut <i>Aesculus hippocastanum</i>	56	F	1			
#12	P			Norway Maple <i>Acer platanoides</i>	32	F	3			
#13	P			White Mulberry <i>Morus alba</i>	27	F	3			
#14	P			Black Maple <i>Acer nigrum</i>	32	F	3			
#15	P			Horse Chestnut <i>Aesculus hippocastanum</i>	27	F	1			
#16	P			Norway Maple <i>Acer platanoides</i>	26	F	1			
#17	P			Norway Maple <i>Acer platanoides</i>	46	F	1			
#18	P			Cherry tree <i>Prunus serrulata</i>	39	F	1			
#19	P			Catalpa <i>Catalpa bignonioides</i>	44	F	1			
#20	P			Blue Spruce <i>Picea pungens</i>	16	G	1			
#21	P			Blue Spruce <i>Picea pungens</i>	32	F	1			
#22	P			Black Maple <i>Acer nigrum</i>	14	P				
#23	P			White Birch <i>Betula papyrifera</i>	26	F	1			
#24	P			White Birch <i>Betula papyrifera</i>	24	F	1			
#25	P			Green Ash <i>Fraxinus pennsylvanica</i>	36	P	3			
#26	P			Green Ash <i>Fraxinus pennsylvanica</i>	36-38	P	3			
#27	P			Norway Maple <i>Acer platanoides</i>	48	F	3			
#28	P			Norway Maple <i>Acer platanoides</i>	26	F	3			
#29	P			Silver Maple <i>Acer saccharinum</i>	25	F	1			
#30	P			Manitoba Maple <i>Acer negundo</i>	35	F	1			
#31	P			Norway Maple <i>Acer platanoides</i>	18	G	1			
#32	P			Norway Maple <i>Acer platanoides</i>	62	F	1			
#33	P			Norway Maple <i>Acer platanoides</i>	48	F	1			
#34	P			Black Walnut <i>Juglans nigra</i>	42	F	1			
#35	P			Black Walnut <i>Juglans nigra</i>	43	F	1			
#36	P			Pear tree <i>Pyrus calleryana</i>	21	F	1			
#37	P			Blue Spruce <i>Picea pungens</i>	35	F	1			
#38	P			Pear tree <i>Pyrus calleryana</i>	14-15	F				
#39	P			Silver Maple <i>Acer saccharinum</i>	58	F	1			
#40	P			White Mulberry <i>Morus alba</i>	5-6	G	1			
#41	P			Blue Spruce <i>Picea pungens</i>	41	G	3			
#42	P			Blue Spruce <i>Picea pungens</i>	38	G	3			
#43	P			Juniper <i>Juniperus spp.</i>	32	G	1			
#44	P			Blue Spruce <i>Picea pungens</i>	52	G	1			
#45	P			Blue Spruce <i>Picea pungens</i>	54	F	1			
#46	P			Norway Maple <i>Acer platanoides</i>	39-42	P	1			
#47	P			Maple Swamp <i>Acer sp.</i>	NA	D				
#48	P			Spruce Swamp <i>Picea sp.</i>	NA	D				
#49	P			Black Walnut <i>Juglans nigra</i>	59	F	1			
#50	P			Siberian Elm <i>Ulmus pumila</i>	62	F	1			
#51	P			White Spruce <i>Picea glauca</i>	18	F	1			
#52	P			White Spruce <i>Picea glauca</i>	16	P	1			
#53	P			Rowan tree <i>Sorbus aucuparia</i>	18	F	1			
#54	P			Silver Maple <i>Acer saccharinum</i>	48	F	1			
#55	P			Norway Maple <i>Acer platanoides</i>	34-36	F	1			
#56	P			Norway Maple <i>Acer platanoides</i>	34	F	1			
#57	P			White Spruce <i>Picea glauca</i>	40	F	1			
#58	P			White Spruce <i>Picea glauca</i>	33	F	1			
#59	P			White Cedars <i>Thuja occidentalis</i>	15-17	F	1			
#60	P			White Cedars <i>Thuja occidentalis</i>	15-17	F	1			
#61	P			Emerald Cedars <i>Thuja occidentalis</i>	10-14	G	1			
#62	P			White Cedars <i>Thuja occidentalis</i>	15	F	1			
#63	P			White Cedars <i>Thuja occidentalis</i>	53	F	1			
#64	P			Blue Spruce <i>Picea pungens</i>	36	F	1			
#65	P			Emerald Cedars <i>Thuja occidentalis</i>	1-3	G	1			
#66	P			White Cedars <i>Thuja occidentalis</i>	8-12	G	3			
#67	P			Silver Maple <i>Acer saccharinum</i>	48-54	F	3			
#68	P			Manitoba Maple <i>Acer negundo</i>	29.5	F	1			
#69	P			Balsam Fir <i>Abies balsamea</i>	22	F	1			
#70	P			Crab Apple <i>Malus baccata</i>	28	F	1			
#71	P			Norway Maple <i>Acer platanoides</i>	22	F	1			
#72	P			Crab Apple <i>Malus baccata</i>	27-28	F	1			
#73	P			Manitoba Maple <i>Acer negundo</i>	5-9	F	1			

msla
MARTON SMITH LANDSCAPE ARCHITECTS
170 The Donway W Suite 206
Toronto, Ontario, Canada. M3C 2G3
tel. 416.492.9966 | email: info@msla.ca

Architect:
A& Architects
A & Associates Architects Inc.
50x Carlaw Ave, Suite 205 B, Toronto, Ontario, M4M 2R5
T: (416) 466-0100
WWW.AARCHITECTS.CA

Planner:
WESTON CONSULTING
planning + urban design
1-800.363.3558 westonconsulting.com

Municipality
Newmarket

Notes:

12	3rd & 4th OPA/ZBL/SPA	06/12/23
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02	Revised per Site Plan	09/20/18
No.	Revision	Date

North:

Stamp:

Project:
Proposed Residential Development
1015 Davis Drive & 22 Hamilton Drive
Newmarket, Ontario

Scale: **1:200** Date: **April 2018**

Drawn By: **D.R.** Checked By: **L.M.**

Drawing Title:
Tree Survey & Preservation Plan

Project No. **18139** Sheet No. **L1-01**

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Material Schedule

UNIT PAVER TYPE 1

Type: Permeable, Pedestrian
Spec: "UMBRIANO" by UNILOCK
Size: 3 Unit Random Bundle
Colour: Summer Wheat
Pattern: Random

UNIT PAVER TYPE 2

Type: Permeable, Pedestrian
Spec: "UMBRIANO" by UNILOCK
Size: 200 x 600 x 70mm
Colour: Midnight Sky
Pattern: Running Bond

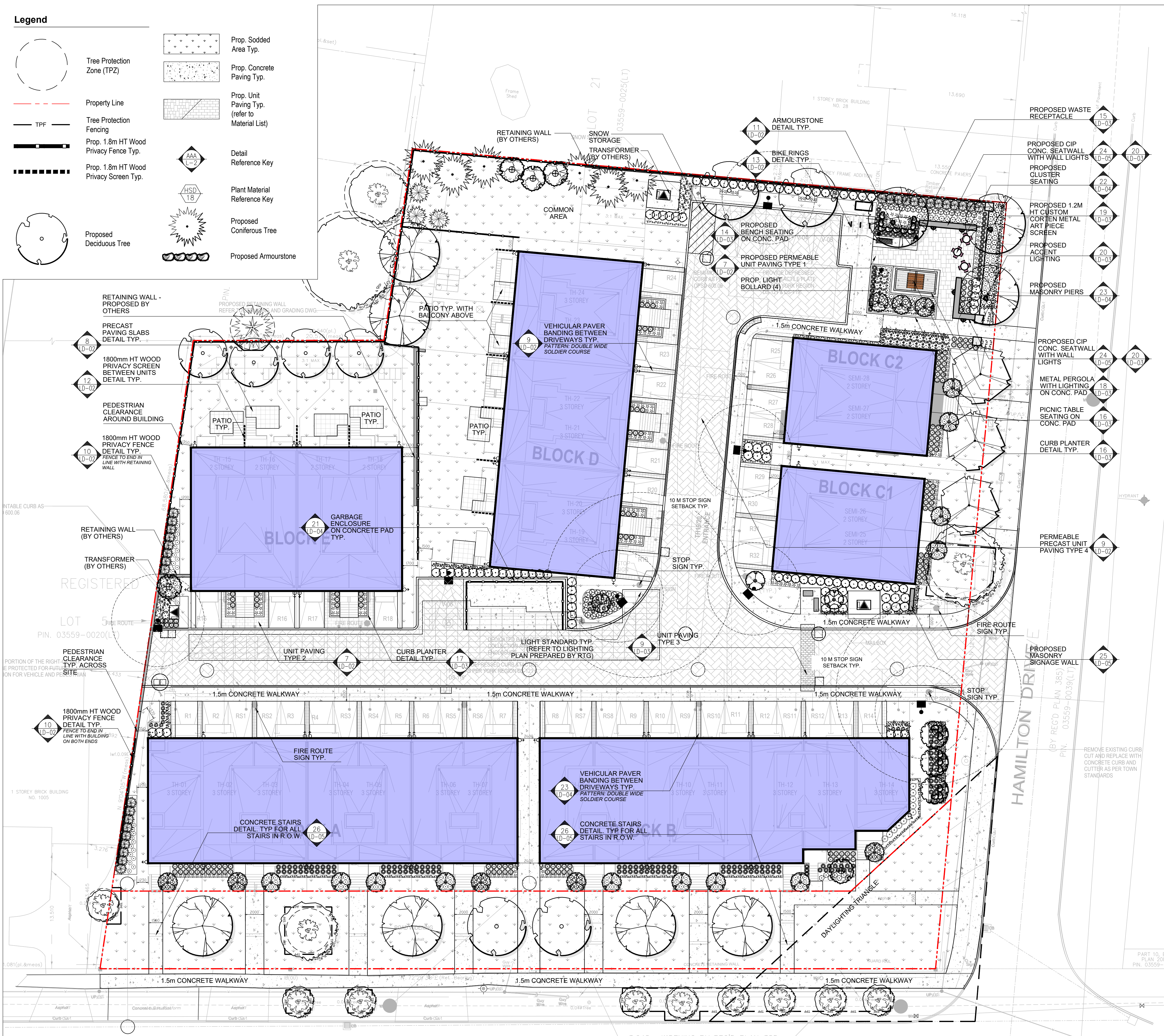
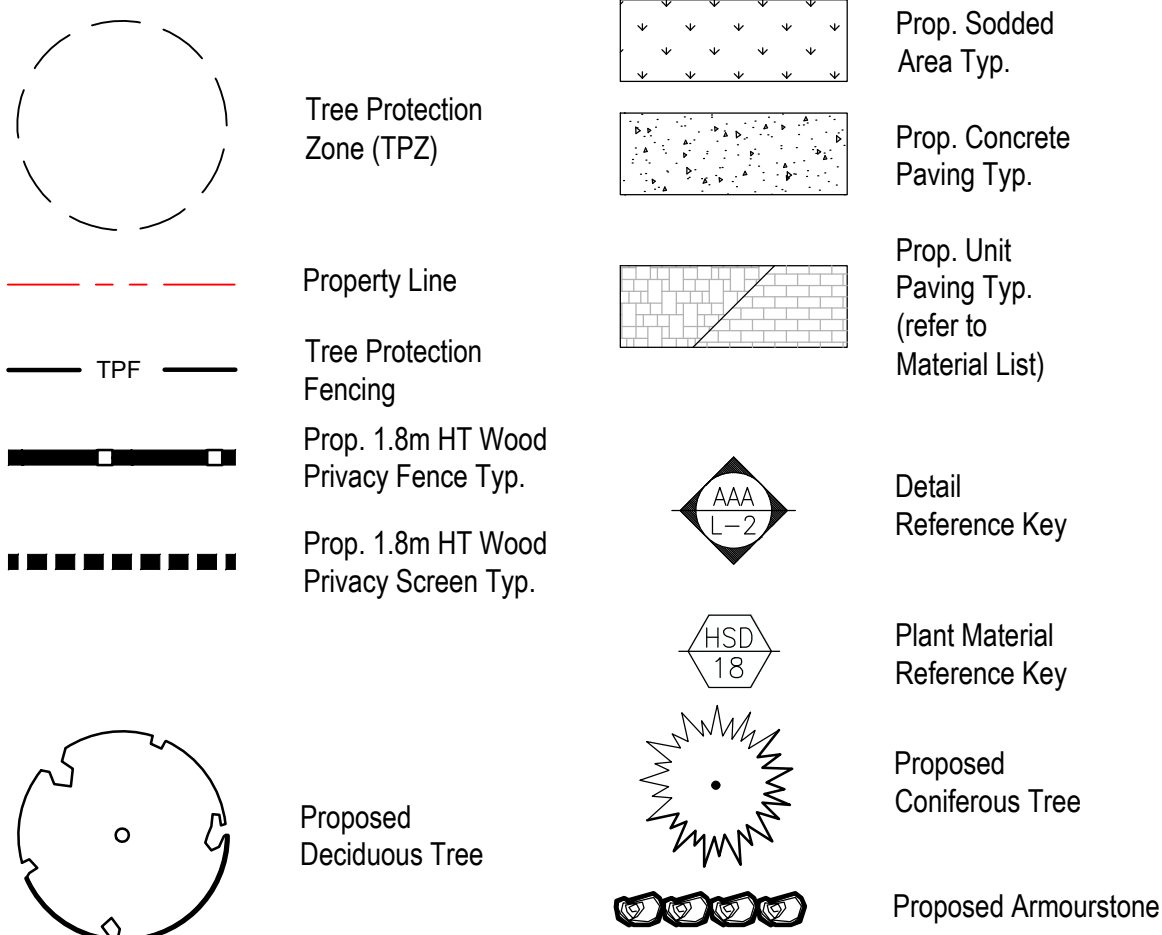
UNIT PAVER TYPE 3

Type: Permeable, Vehicular
Spec: "UMBRIANO" by UNILOCK
Size: 180 x 360 x 80mm
Colour: French Grey
Pattern: Running Bond

UNIT PAVER TYPE 4

Type: Permeable, Vehicular
Spec: "REALA" by UNILOCK
Size: 100 x 250 x 70mm
Colour: OLD OAK
Pattern: Harringbone

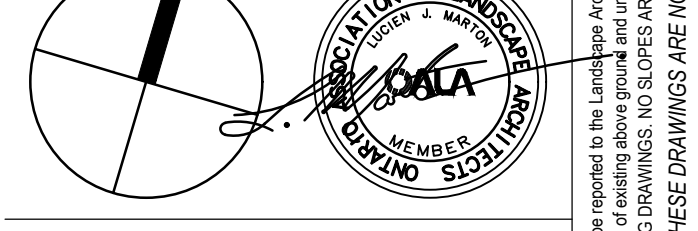
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No. Revision Date

North: Stamp:



Project:
Proposed Residential Development
1015 Davis Drive & 22 Hamilton Drive
Newmarket, Ontario

Scale: **1:200** Date: **April 2018**

Drawn By: **D.R.** Checked By: **L.M.**

Drawing Title:
Landscape Plan

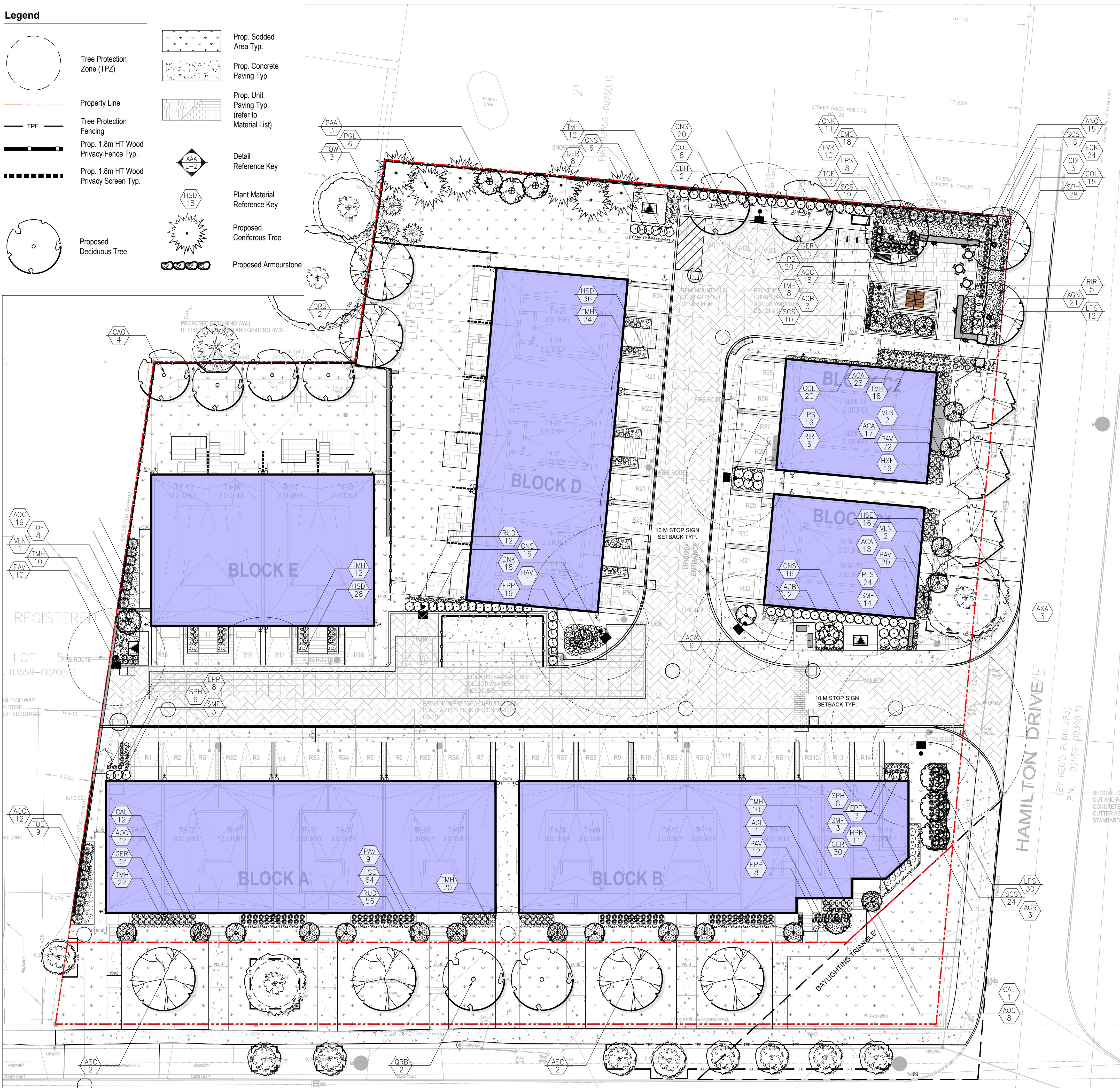
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Plant Material List

KEY	QNTY	BOTANICAL NAME	COMMON NAME	HT/CAL	SPREAD	ROOT	REMARKS
DECIDUOUS TREES							
AGI	1	Acer glabrum	Anur Maple	60 mm	B.4B	Tree Form	
ASC	4	Acer saccharum	Sugar Maple	80 mm	B.4B	Full Form	
AXA	3	Acer x freemanii 'Armstrong'	Armstrong Freeman Maple	80 mm	B.4B	Full Form	
CAO	4	Carya ovata	Shagbark Hickory	70 mm	B.4B	Full Form	
CEH	2	Celtis occidentalis	Hackberry	70 mm	B.4B	Full Form	
GDI	3	Gymnocladus dioica	Kentucky Coffee Tree	70 mm	B.4B	Full Form	
ORB	4	Quercus rubra	Red Oak	80 mm	B.4B	Full Form	
CONIFEROUS TREES							
PGL	6	Picea glauca	White Spruce	200 cm	B.4B	Full Form	
TOW	3	Thuja occidentalis	Native White Cedar	100 cm	B.4B	Native	
MULTISTEM SPECIMEN SHRUBS							
ACB	8	Amelanchier canadensis 'Balleroia'	Balleroia Serviceberry	200 cm	B.4B	Multistem Clump	
CAL	13	Cornus alternifolia	Pagoda Dogwood	150 cm	B.4B	Multistem Clump	
HAV	1	Hamelis virginiana	Common Witch-hazel	80 cm	C.C.	Full Form	
PAA	3	Prunus americana	American Plum	200 cm	B.4B	Multistem Clump	
VLN	5	Viburnum lentago	Nannyberry	150 cm	B.4B	Multistem Clump	
ORNAMENTAL GRASSES							
AGN	21	Andropogon gerardii	Big Bluestem	5 Gal.	Full Form		
PAV	155	Panicum virgatum	Switch Grass	2 Gal.	Full Form - Native		
SCS	68	Schizachyrium scoparium	Little Bluestem	2 Gal.	Full Form - Native		
SPH	42	Sporobolus heterostachys	Prairie Dropseed	2 Gal.	Full Form - Native		

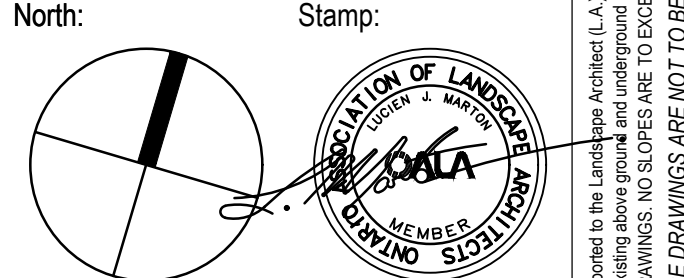
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KEY	QNTY	BOTANICAL NAME	COMMON NAME	HT/CAL	SPREAD	ROOT	REMARKS
CONIFEROUS SHRUBS							
TMH	136	Thuja media 'Hickii'	Hick's Yew	80 cm	C.G.	Full Form	
TOE	30	Thuja occidentalis 'Snorogo'	Emerald Cedar	100 cm	B.4B	Full Form	
PERENNIALS							
ACA	72	Arenaria canadensis	Canada Arenaria		2 Gal.	Full Form	
ANO	15	Allium cernuum	Nodding Onion		2 Gal.	Full Form	
AQC	89	Aquilegia canadensis	Wild Columbine		2 Gal.	Full Form	
COL	32	Coneopsis lanceolata	Lanceleaf Coreopsis		2 Gal.	Full Form	
ECK	24	Echinacea purpurea 'Kim's Knee High'	Dwarf Purple Cone Flower		2 Gal.	Full Form	
EMG	18	Eupatorium maculatum 'Gateway'	Joe Pye Weed		2 Gal.	Full Form	
EPP	38	Echinacea pallida	Pale Purple Coneflower		2 Gal.	Native	
FVR	10	Fragaria vesca	Woodland Strawberry		2 Gal.	Native	
GER	85	Geranium 'Rozanne'	Hardy Cranesbill Geranium		2 Gal.	Full Form	
HSD	64	Hemerocallis 'Stella D'oro'	Stella D'oro (Yellow) Daylilies		2 Gal.	Full Form	
HSE	104	Hosta sieboldiana elegans (Blue)	Elegant Large Blue Leaf Hosta		2 Gal.	Large Leaf	
LPS	70	Lupinus perennis	Sundial Lupine		2 Gal.	Native	
PLS	24	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian Sage		2 Gal.	Full Form	
RUD	64	Rubus idaeus	Dwarf Black Eyed Susan		2 Gal.	Full Form	
DECIDUOUS SHRUBS							
CNK	29	Cornus sericea 'Kelsey'	Kelsey Red Osier Dogwood	60 cm	C.C.	Full Form	
CNS	58	Cornus stolonifera	Red Osier Dogwood	80 cm	C.G.	Full Form	
HPB	31	Hydrangea paniculata 'Bombarshell'	Dwarf Bombshell Hydrangea	60 cm	5 gal.	Full Form	
RIR	11	Rubus idaeus	Red Raspberry	80 cm	C.G.	Full Form	
SMP	20	Syringa meyeri 'Palibin'	Purple Dwarf Korean Lilac	60 cm	C.C.	Full Form	



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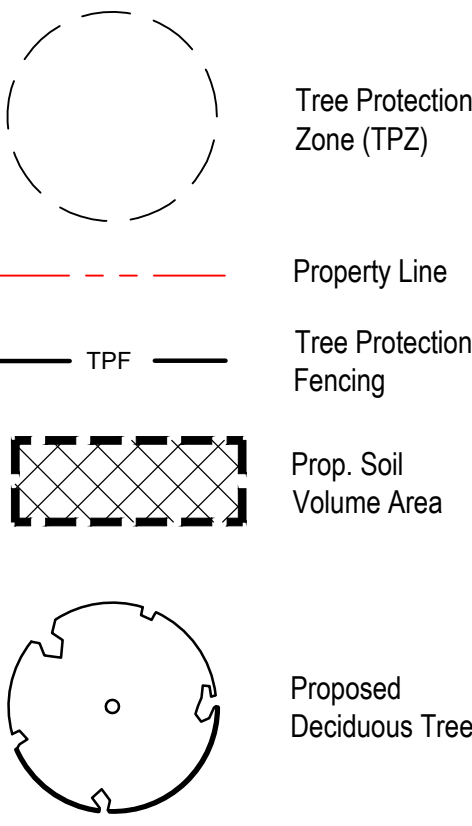
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Drawing Title:
Planting Plan

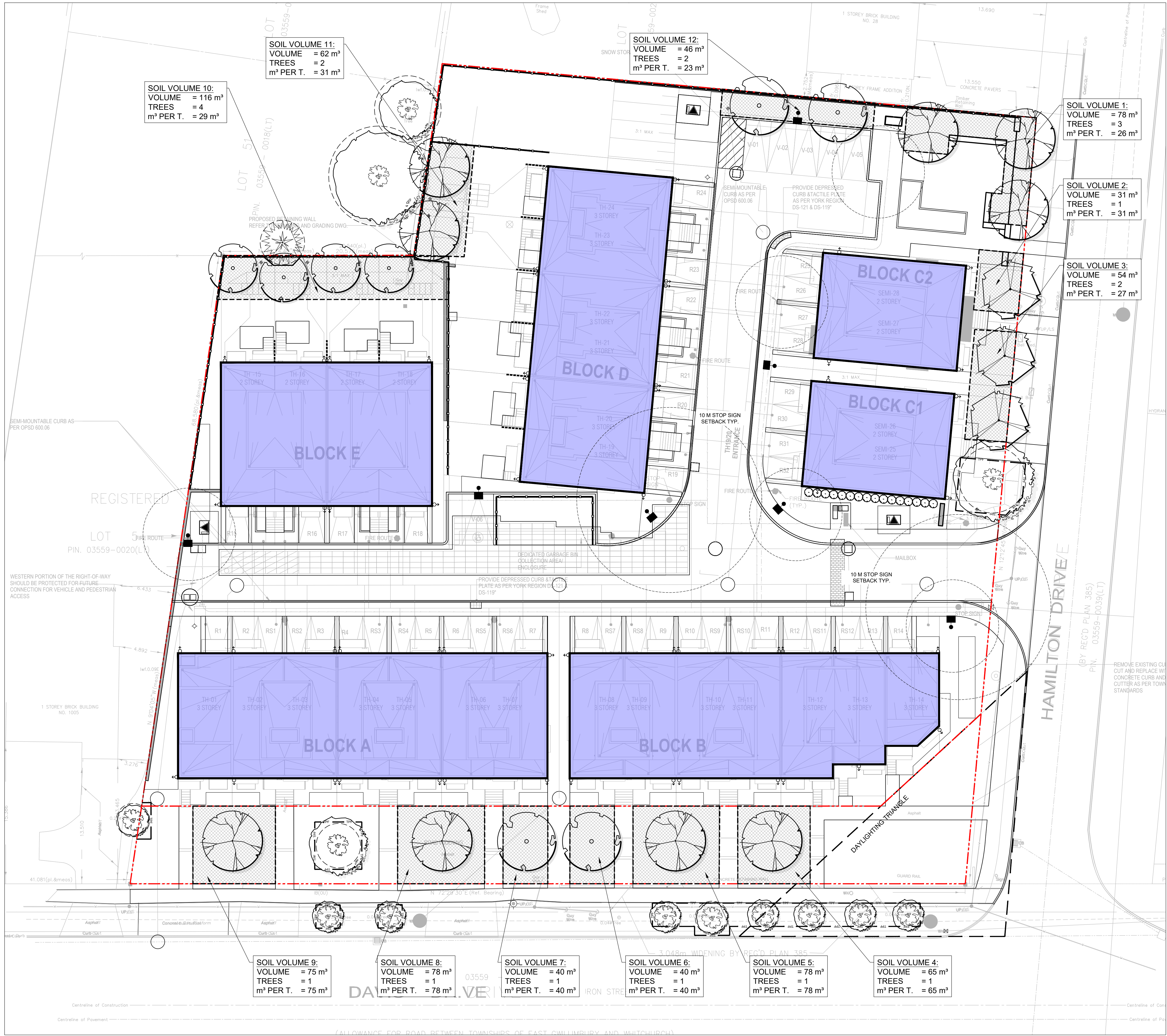
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Legend

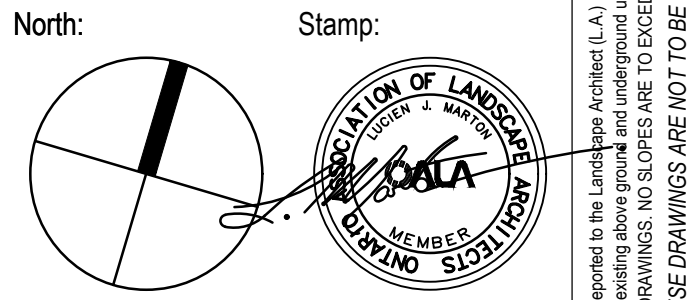


SOIL VOLUME GUIDELINES

- All deciduous trees planted on their own have access to a minimum of 30 cubic meters of soil volume to grow in.
- All deciduous trees planted in groups of two or more trees have access to a minimum of 15 cubic meters of soil volume to grow in per tree.
- All soil volume areas are 1m in depth, as per the maximum depth allowable in soil calculations per municipal guidelines.



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Drawing Title:
Soil Volume Plan

Architect:

A& Architects
A & Associates Architects Inc.
Six Carlaw Ave, Suite 205 B, Toronto, Ontario, M4M 2R5
T: (416) 466-0100
WWW.AARCHITECTS.CA

Planner:

WESTON CONSULTING
planning + urban design
1-800.363.3558 westonconsulting.com

Municipality



Notes:

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REFER TO PLAN FOR LOCATION

LANDSCAPE SPECIFICATIONS

CONTRACTOR MUST CONTACT ALL UTILITY COMPANIES FOR STAKE OUTS PRIOR TO ANY EXCAVATION OR PLANTING.

ROUGH GRADING

ROUGH GRADE AND FILL AREAS TO ESTABLISH SUBGRADE AS REQUIRED. PROVIDE DRAINAGE PATTERN AS INDICATED ON DRAWINGS. ROUND SMOOTHLY ALL TOPS AND TOES OF SLOPES. COMPACT ALL AREAS TO 95% STANDARD PROCTOR DENSITY UNLESS SPECIFIED OTHERWISE. EXISTING TREES TO REMAIN ON SITE ARE TO BE PROTECTED AS DETAILED.

FINE GRADING

FINE GRADE ALL AREAS TO FINISHED GRADES AS SHOWN ON LAYOUT OR GRADING PLAN OR ARCHITECT'S SITE PLAN. PROVIDE UNIFORM SLOPES AWAY FROM THE BUILDING, UNLESS SPECIFIED OTHERWISE. SLOPES MAY NOT EXCEED 3:1 (3:1).

SPREADING OF TOPSOIL

SCARIFY THE SUBSOIL PRIOR TO THE SPREADING OF TOPSOIL. REMOVE ALL DEBRIS AND LEAVE A FINE-TEXTURED EVEN SURFACE. ALL TOPSOIL TO BE IMPORTED UNLESS PREVIOUSLY APPROVED BY LANDSCAPE ARCHITECT. OBTAIN APPROVAL FOR THE QUALITY OF ANY IMPORTED TOPSOIL BEFORE DELIVERY TO THE SITE. TOPSOIL IS TO BE COMPACTED TO CREATE A FIRM AND EVEN SURFACE.

SOD

USE NO. 1 GRADE TURFGRASS NURSERY SOD WHICH CONFORMS WITH THE SPECIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO. ALL LAWN AREAS SHALL RECEIVE A MINIMUM OF 150MM (6") OF COMPACTED TOPSOIL, AND SHALL BE SODDED WITH #1 KENTUCKY BLUEGRASS - FESCUE. NO SOD SLOPES ARE TO EXCEED 3:1. SLOPE IN EXCESS OF 4:1 TO BE PEGGED.

MINERAL FERTILIZER

APPLY THE FOLLOWING MINERAL FERTILIZER UNLESS SOILS TESTS SHOW OTHER REQUIREMENTS:

1. SODDED AREAS - 11% NITROGEN, 8% PHOSPHORUS AND 4% POTASH (11-8-4) AT THE RATE OF 4.5 KG OVER M2 (10 LBS OVER 1000 SQ. FT.).

2. PLANTING BEDS - 7% NITROGEN, 7% PHOSPHORUS AND 7% POTASH (7-7-7) AT THE RATE OF 40 GRAMS (4 OZ.) FOR EVERY BUSH/EL OF TOPSOIL.

PREPARATION OF PLANTING BEDS

ALL PLANT BEDS TO BE CONTINUOUS. EXCAVATE ALL PLANTING BEDS TO THE DEPTH AS INDICATED ON THE DRAWINGS AND DETAILS, MIN 450mm (18"). BACKFILL ALL PLANTING BEDS WITH A SOIL MIXTURE CONSISTING OF SIX (6) PARTS OF SAND/LOAM, ONE (1) PART OF FINELY PULVERIZED PEAT MOSS, TWO (2) PARTS OF WELL-ROTTED MANURE AND THE MINERAL FERTILIZER AS SPECIFIED ABOVE. ALSO ADD 58 KILOS BONE MEAL/CUBIC METER OF PLANTING SOIL (1 LB./CUBIC YARD). PREPARE THE PLANTING BEDS FOR PLANTING BEFORE THE DELIVERY OF THE PLANT MATERIAL TO THE JOB SITE.

NOTE: IF THE EXISTING SOIL CONDITIONS ARE CLAY OR WET IN NATURE, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTIONS OF A SUITABLE SOIL MIXTURE. FAILURE TO DO THIS MAY RESULT IN DELAY OF APPROVAL AND ACCEPTANCE.

PLANT MATERIALS

ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION FOR SIZE AND SPECIES.

ALL SHRUB AND TREE MATERIAL SHALL BE CONTAINER GROWN, POTTED, S/B OR B/B, UNLESS OTHERWISE NOTED. BARE ROOT PLANTING SHALL BE ACCEPTABLE FOR CERTAIN SPECIES DURING EARLY SPRING OR LATE FALL PLANTING SEASON. CONTRACTOR SHALL MAKE REQUESTS FOR ROOT CONDITION SUBSTITUTION IN WRITING TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS. ALL PLANT MATERIAL TO BE CLAY GROWN STOCK UNLESS OTHERWISE NOTED.

LANDSCAPE SPECIFICATIONS

SCALE: N.T.S. DATE:

REFER TO PLAN FOR LOCATION

PLANT MATERIAL INSTALLATION

ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE PLANTED AS DETAILED & AS SHOWN ON THE PLANTING PLAN. ALL BEDS TO RECEIVE A COVER OF CLEAN MULCH TO A DEPTH OF 75mm (3"). FOR GUYPING AND STAKING TREES, REFER TO PLANTING DETAILS. WRAP ALL DECIDUOUS TREES UNDER EXPERIENCED SUPERVISION ONLY TO THE SPECIFICATIONS OF THE ONTARIO LANDSCAPE CONTRACTORS ASSOCIATION.

PLANT MATERIAL SIZES AND CONDITIONS ARE TO BE AS INDICATED ON THE LANDSCAPE DRAWING.

THE INDIVIDUAL PLANT GROUPING TOTAL AS ILLUSTRATED ON THE PLANTING PLAN SUPERSEDES THE ESTIMATED QUANTITY ON THE MASTER PLANT LIST. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IN WRITING BEFORE COMMENCING ANY WORK. CONTRACTOR WILL ASSUME FULL RESPONSIBILITY IF LANDSCAPE ARCHITECT IS NOT NOTIFIED OF DISCREPANCIES.

* MULCH - SHREDDED PINE MULCH BY "GRO BARK" OR APPROVED EQUAL. LANDSCAPE ARCHITECT TO APPROVE MULCH BEFORE INSTALLATION.

GENERAL MAINTENANCE

PROPER MAINTENANCE PROCEDURES ARE TO BE FULLY ADMINISTERED FOR ALL NEWLY CONSTRUCTED LANDSCAPE WORK. IN ACCORDANCE WITH LANDSCAPE ONTARIO SPECIFICATIONS SECTION 1E - MAINTENANCE WORK. THIS SHALL APPLY ONLY DURING THE CONSTRUCTION PERIOD, UNLESS OTHERWISE SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SOD AND PLANTING UNTIL FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT.

RODENT PROTECTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FOR WINTER PROTECTION AND FROM RODENT INJURY FOR THE DURATION OF GUARANTY PERIOD. PROTECTIVE GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES. GUARDS TO BE 150MM DIA. PVC PIPE OR AS MUNICIPAL GUIDELINES. GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF THE MULCH AND SHOULD BE PLACED A MINIMUM OF 50MM (2") OUT FROM THE TREE TRUNK ON ALL SIDES.

ALL SHRUBS AND CONIFEROUS TREES SHALL HAVE AN APPLICATION OF "SKOOT" OR APPROVED EQUIVALENT RODENT FORMULA TO BE APPLIED AT THE END OF OCTOBER. FOLLOW MANUFACTURER'S DIRECTIONS FOR APPLICATION.

GENERAL REQUIREMENTS

USE ABOVE SPECIFICATIONS IN CONJUNCTION WITH THE GENERAL LANDSCAPE SPECIFICATIONS OF THE ONTARIO LANDSCAPE CONTRACTORS ASSOCIATION, THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO AND WITH THE GUIDE SPECIFICATIONS FOR NURSERY STOCK OF THE CANADIAN NURSERY TRADES ASSOCIATION. USE ONLY PLANT MATERIAL TRUE TO NAME, SIZE AND GRADE AS SPECIFIED ON PLANTING PLAN; PROVIDE SUFFICIENT LABELS OR MARKINGS TO INDICATE CLEARLY THE VARIETY, SIZE AND GRADE OF EACH SPECIMEN OR BUNDLE.

OBTAIN APPROVAL FOR SUBSTITUTIONS AS TO VARIETY, SIZE OR GRADE FROM THE LANDSCAPE ARCHITECT. USE ONLY NURSERY STOCK GROWN UNDER PROPER HORTICULTURAL PRACTICES, VIABLE, FREE FROM PEST AND DISEASE AND UNDAIMAGED. CHECK LOCATIONS AND OBTAIN STAKEOUTS OF ALL UTILITY LINES BEFORE EXCAVATION. OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCEMENT OF CONSTRUCTION. REPORT IN WRITING ANY DISCREPANCIES IN THE DRAWINGS, SPECIFICATIONS AND CONTRACT DOCUMENTS TO THE LANDSCAPE ARCHITECT BEFORE THE END OF THE BIDDING PROCESS AND COMMENCEMENT OF CONSTRUCTION. THESE SPECIFICATIONS MAY BE SUPERCEDED BY ADDITIONAL SPECIFICATIONS SET OUT IN THE TENDER DOCUMENTS. CONTRACTOR TO REVIEW ALL DOCUMENTS.

GUARANTEE PERIOD

PROVIDE TWO FULL YEAR GUARANTEE ON ALL LANDSCAPE WORK FROM DATE OF FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT. GUARANTEE PERIOD MAY BE EXTENDED DEPENDING ON MUNICIPAL STANDARDS. CONTRACTOR TO VERIFY WITH OWNER AND LANDSCAPE ARCHITECT.

PLANT MATERIAL INSTALLATION

SCALE: N.T.S. DATE:

REFER TO PLAN FOR LOCATION

TOWN OF NEWMARKET TREE PROTECTION GUIDELINES

Vegetation to be retained
Barrier Signage (provided by Consultant)
90mm/30mm wood posts at 2500mm O.C. securely driven into sub-grade a minimum of 900mm.
Standard Paige wire fence attach at 3 locations per post with #10 wire or galvanized staples.
Undisturbed sub-grade
Standard 0.9m high silt fabric (Tensar 270R or approved equal) affixed to Paige wire fence with staples. Clear stone or native soil material 0.15m high to cover silt fabric.

2m Min. from trunk centre

TREE PROTECTION FENCE NOTES

- Fence to be installed before start of construction.
- Fence to be located as shown on plan.
- Attachment of fence to trees to be preserved is not permitted
- Fencing to be monitored regularly for damage and ensure functioning as designed.
- No excavation, stock piling of materials or other construction related activity shall occur within the Tree Protection Barrier.
- Install onto tree protection fence at intervals of 100 meters, tree protection zone signs as per details.
- Standard 0.9 high silt fabric affixed to Paige wire fence with staples. Clear stone or native soil mix material 0.15m high to cover silt fabric.
- Barrier signage.

TREE PROTECTION ZONE (TPZ)
No grade change, contamination, storage of equipment, materials, etc. is allowed within TPZ. Tree protection fence is not to be removed without written authorization from project consultant/Town of Newmarket.

TREE PRESERVATION FENCING DETAIL

SCALE: N.T.S. NEWMARKET STANDARD DETAIL

REFER TO PLAN FOR LOCATION

STREET_TREE: TREE_DETAIL

Notes:

- This Tree Planting detail shall be used for either coniferous or deciduous. Basket and Burlap trees
- This Tree Planting detail shall be used in conjunction with tree planting preparation details as outlined in the "Town of Newmarket Tree Planting Guidelines."
- Tree pit to be double the size of the root ball
- Root ball resting on undisturbed soil
- If tree is in a wire basket, cut stripping, cut basket and pull burlap back from top 1/3 of rootball
- Remove all burlap wrap from tree trunk
- Top of root ball at existing grade or slightly higher in poorly drained soils (50mm max. above grade)
- Backfill firmly tamped to prevent settling and leaning. Do not allow air pockets to form when back filling
- Shredded mulch, preferably cedar (100mm depth), not contacting base of trunk
- Prune dead and broken branches to maintain natural form of tree
- Stake beyond edge of root ball
- Use rubber straps at end of all guy wires to protect the tree at point of contact
- Stakes are to be removed after 1 year. Contractor to Coordinate
- Stakes should be hammered down into solid footing (at least 400mm into sub-soil base)
- Plan For Three Tree Stakes (optional)
- Only stake conifer trees if they are 6 feet or taller

Single leader (unless multi stem species is specified)
II gauge guy wire
Remove all burlap - wrap from tree trunk
60 - 100mm caliper tree
Use two 60x50mm wood stakes
Taper mulch to base
Base of tree 25mm above grade
Soil disturbed area
Grade
Cut stripping, cut basket and pull burlap back from top 1/3 of rootball
Subsoil
Slope Top Soil from Root Ball to edge of hole to form well
Tree pit to be double the size of the root ball

Town of Newmarket
Communications Services
211 Service Centre
211 Newmarket
211-222-2222
www.townofnewmarket.ca

CROSS SECTIONS
DATE: OCTOBER, 2006
SCALE: N.T.S.
DRAWING NUMBER: LSK-03

STREET TREE PLANTING DETAIL

SCALE: N.T.S. NEWMARKET STANDARD DETAIL

REFER TO PLAN FOR LOCATION

STANDARD CONIFEROUS TREE DETAIL

PLANTING SOIL MIXTURE: (Mix thoroughly)
A. For ideal situations mix:
• 6 parts good quality topsoil
• 2 parts well rotted cow manure
• 1 part peat moss
B. For clay or wet situations:
• Contact consultants for proper soil mixture, before proceeding with work
C. Add 0.58 kg (1 lb) of bonemeal per cubic yard of soil
D. Soil mixture should be firmly compacted to eliminate air pockets and prevent settlement.

STAKING: Secure three (3) stakes to main tree trunk with approved short hemp rope. Ensure the stakes are not in contact with the bark. Secure into ground with a minimum depth of 350 (1'-6").

MULCHING: Provide 102 (4") shredded bark mulch forming a saucer around base of tree. Maintain the original grade or slightly higher.

CUT AND REMOVE: burlap from top 1/3 of ball.

FERTILIZER: Two (2) 21 gram Agriform tablets for each 25 (1") of trunk diameter (or approved method by Landscape Architect).

GRADES: Maintain original grade of tree base after planting, or slightly higher to suit site conditions.

SCARIFY: edges to allow for root penetration

UNDISTURBED SOIL

NOTE: All tree stakes, ties, wraps and guards are to be removed one year after installation by the landscape contractor.

ALL GIVEN DIMENSIONS ARE IN METRIC
WIRE BASKETS OR STRING ON ROOT BALL - CUT AND TOP REMOVE 1/3

STANDARD CONIFEROUS TREE DETAIL

SCALE: N.T.S. DATE:

REFER TO PLAN FOR LOCATION

STANDARD SHRUB PLANTING DETAIL

WINTER PROTECTION:
Shrubs to be wrapped with burlap or approved equal during guarantee period.

PRUNING: (To suit species)
Prune to remove damaged or objectionable branches following proper horticultural practice. DO NOT PRUNE LEADERS.

GUYPING: As directed; appropriate to species and size of shrub

MULCHING: 102 (4") shredded bark mulch be "All Trunk" or equal. Provide 102 (4") saucer.

CUT AND REMOVE: burlap from top 1/3 of ball as shown. (B.B. as per plant list)

FERTILIZER: Two (2) 21 gram Agriform tablets or approved equivalent for each shrub in bed.

PLANTING SOIL MIXTURE: (Mix thoroughly)
A. For ideal situations mix:
• 6 parts good quality topsoil
• 2 parts well rotted cow manure
• 1 part peat moss
B. For clay or wet situations:
• Contact consultants for proper soil mixture, before proceeding with work
C. Add 0.58 kg (1 lb) of bonemeal per cubic yard of soil
D. Soil mixture should be firmly compacted to eliminate air pockets and prevent settlement.

PREPARATION OF BED: Excavate shrub bed to size outlined on drawings, minimum 457 (18") depth. Remove any subsoil or rubbish off site unless otherwise directed.

SPACING: As directed.

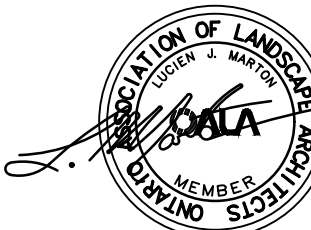
FOR RODENT CONTROL: See landscape specifications or apply "Skoot" at the end of October. Note: All tree stakes, ties and guards are to be removed one year after installation by the landscape contractor.

STANDARD SHRUB PLANTING DETAIL

SCALE: N.T.S. DATE:

12	3rd & 4th OPA/ZBLA/SPA	06/12/23
11	Issued for Coordination	05/26/23
10	Revised per Comments	11/09/22
09	Revised for Submission	11/25/21
08	Revised per Site Plan	09/23/21
07	Revised per Arborist Data	10/01/20
06	Revised per Site Plan	08/21/20
05	Revised per Site Plan	08/20/20
04	Revised per Site Plan	07/17/20
03	Issued for Review	09/28/18
02	Revised per Site Plan	09/20/18
No.	Revision	Date

North: Stamp:



Project:

Proposed Residential Development
1015 Davis Drive & 22 Hamilton Drive
Newmarket, Ontario

Scale: **As Shown** Date: **April 2018**

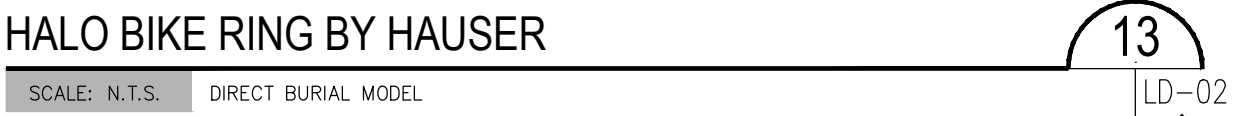
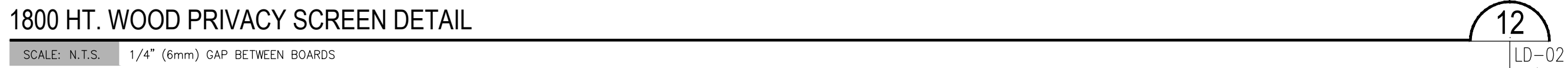
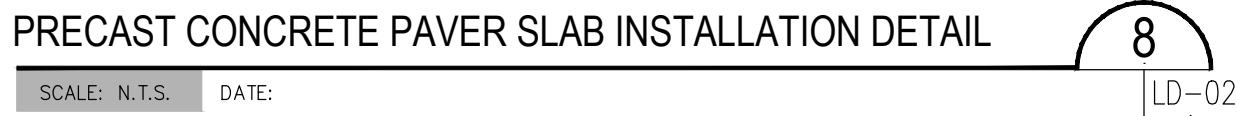
Drawn By: **D.R.** Checked By: **L.M.**

Drawing Title:

Landscape Details

Project No. Sheet No.

18139 LD-01

North: Stamp:

Landscape Details

Project No. **18139** Sheet No. **LD-02**

All information contained in these plans shall be subject to change without notice. All drainage patterns must drain positively. NOTE: FOR ANY AND ALL GRADING, SEE THE GRADE SHEETS. DO NOT SCALE DRAWINGS.

Architect

A&Architects

A & Associates Architects Inc.
Six Carlaw Ave, Suite 205 B, Toronto, Ontario, M4M 2R5
T: (416) 466-0100

WWW.AARCHITECTS.CA

Planner



**WESTON
CONSULTING**
planning + urban design
1-800.363.3558 westonconsulting.com

Municipality



Notes:

tion in part or whole shall only be permitted with written consent of L. A. Drawings shall not be used for construction unless sealed & SIGNED. Before starting work, the contractor shall confirm the exact location of all existing utilities and facilities, and shall assume liability for damages. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.

GNF

MSL/A

REFER TO PLAN FOR LOCATION

HAUSER
SITE FURNITURE

HAUSER INDUSTRIES
330 WEBSTER STREET NORTH
WATERLOO, ON N2J 3H6
TEL: (519) 485-2667 FAX: (519) 747-4871
www.hauserinc.com

PRODUCT CODE:

PS-692-AL-3-WD3-WD3

TO SPECIFY:

Select PS-692-AL-3-WD3-WD3

Choose:

- Frame Options: Ocean Blue
- Seat Options: IPE
- Back Options: IPE

Bolted Down

DIMENSIONS:

Height:	36.00" (91.4 cm)
Width:	72.00" (182.9 cm)
Depth:	22.00" (55.9 cm)
Seat Height:	17.25" (43.8 cm)

RIDGEWOOD BENCH BY HAUSER: MODEL PS-692-AL-3-WD3

SCALE: N.T.S.

DATE:

14

LD-03

MSL


REFER TO PLAN FOR LOCATION

CONIC WASTE/RECYCLE RECEPTACLE

PS 951 CR-AL - Conic Waste/Recycle Receptacle

Our Conic Waste/Recycle Receptacle features an all-welded, powdercoated aluminum body, with a stored aluminum lid. The single stream receptacle is shown here with a custom powdercoat finish, and a polypropylene liner (34 gal / 128.7 L). It is available in a variety of powdercoat finishes.

COLOUR:
LIME GREEN



HAUSER
PS951 CR-AL - Conic Waste/Recycle Receptacle

15

LD-03

CONIC WASTE RECEPTACLE BY HAUSER

Diameter: 24.5" (62.0 cm)
 Height: 48.25" (122.6 cm)
 Total Capacity: 34 gal (128.7 L)

sales@hausersite.com
 800-268-7328
hausersite.com

MSL

REFER TO PLAN FOR LOCATION

Skyline Picnic Table & Benches, Tropical Hardwood Slats

PS-1010-AL-WD3-33x72 Skyline Picnic Table & PS-1000-AL-64 Skyline Benches

PS-1010-AL-WD3-33x72 Skyline Picnic Table: 72" L x 33" W x 30" H, 95 lbs.
PS-1000-AL-WD3-64 Skyline Benches: 64" L x 19" W x 37.5" H, 53 lbs. each

Available in a variety of sizes and finishes, freestanding or [bolt-down](#)

Weight: 205.0 lb. (93.1 kg)

LOCAL REPRESENTATIVE:

HAUSER

TRUDY WALKER

trudyw@hauser.ca

416.909.1059

**COLOUR: OCEAN BLUE
*TO MATCH ALL SITE
FURNITURE***

BOLTED DOWN

HAUSER
2700 4200 Street, 4th Floor, Toronto, Ontario
M6H 1B7, Canada

HAUSER
SITE FURNITURE

sales@hausersite.com
800-268-7328
hausersite.com

SKYLINE PICNIC TABLE & BENCH BY HAUSER

DATE:

16

LD-03

MSL

REFER TO PLAN FOR LOCATION

SMOOTH EXTERIOR FINISH USE FINISH GRADE PLYWOOD FORMS AND VIBRATE FOR UNIFORM FINISH. CALKED FORM CORNER JOINTS WITH FINE BEAD FOR TIGHT 3MM RADIUS CORNER FINISH.

SQUARE EDGE - GRIND "SHARP" EDGES FOR SIDE SQ. EDGE ALL SIZES

Planting soil - depth & quality per standard details

Finished paving surface - refer to plans

150

200

250

150 min.

300

400

Geotext Fabric

Granular "A" compact to 95% S.P.D.

Compacted subgrade to 95% SPD or undisturbed soil

PLANTER FINISH: LIGHT ACID WASH TECHNIQUE 900X900 FINISH SAMPLE TO BE PROVIDED TO BE APPROVED BY OWNER AND CONSULTANT CONCRETE AT 30 MPA IN 28 DAYS, W/ 5-7% AIR ENTRAINMENT, 50MM MAX. SLUMP

NOTES:

- 1 Provide expansion joints at 2.45m O.C. unless otherwise noted.
- 2 Concrete to be 27.5 Mpa (air retained)
- 3 All edges above grade to be tooled as shown.
- 4 All dimensions are in millimetres unless otherwise shown.

150mm HT COLOUR CONCRETE CURB PLANTER

SCALE: N.T.S. DATE:

17

LD-03

MSL™

REFER TO PLAN FOR LOCATION

5000

3200

PLAN VIEW

COLOUR:
GUN METAL

LOCAL REPRESENTATIVE:
HAUSER
TRUDY WALKER
trudyw@hauser.ca
416.909.1059

NOTE: SHOP DRAWINGS TO BE
PROVIDED BY MANUFACTURER
AND APPROVED PRIOR TO
INSTALLATION

2300

PERSPECTIVE

PERSPECTIVE IMAGERY IS
CONCEPTUAL ONLY, AND ARE
MEANT TO CONVEY THE
IMAGES DESIGN INTENT.

CUSTOM 'GRAND PERGOLA' STRUCTURE BY HAUSER

SCALE: N.T.S. DATE:

18

LD-03

MSL

REFER TO PANEL FOR LOCATION

Tryna

ART-METAL WORKSHOP INC.

P: 416-848-4588

A: 50 Foxman Rd. Unit 17,

Etobicoke, ON M9C 1B7

art-metal.ca

NOTE: SHOP DRAWINGS TO BE
PROVIDED BY MANUFACTURER
AND APPROVED PRIOR TO
INSTALLATION

TYPICAL PANEL SEGMENT

Diagram of a typical panel segment showing dimensions and mounting details. The panel is 48" wide and 116" high. It is mounted on four posts, with a 24" spacing between the first and second post, and a 24" spacing between the second and third post. The panel is labeled "FRONT PANELS FACING THIS WAY" with an arrow pointing to the front face.

CORTEN STEEL PANELS
ALL 45" IN HEIGHT
MOUNTED ON FACE OF
POSTS

CNC SAMPLE CUTOUTS

Diagram showing CNC sample cutouts for the panel. It includes a 48" x 116" panel with a 116" x 116" section highlighted. The cutouts are labeled "CNC CUTOUTS" and "CNC CUTOUTS". The dimensions are 48" x 116" and 116" x 116".

PLAN VIEW

Diagram showing the plan view of the panel segment. It includes a 48" x 116" panel with a 116" x 116" section highlighted. The cutouts are labeled "CNC CUTOUTS" and "CNC CUTOUTS". The dimensions are 48" x 116" and 116" x 116".

Photograph of the decorative corten steel art piece installed outdoors. The piece is a large, rectangular, brown metal screen with a complex, geometric pattern. It is mounted on a concrete wall and is surrounded by greenery and a stone path.

DECORATIVE CORTEN STEEL ART PIECE CONCEPT

DATE:

19

LD03

MSL™

REFER TO PLAN FOR LOCATION

Diagram of a recessed wall light fixture showing dimensions: 35 mm, 103 mm, 17 mm, and 207 mm.

Diagram of a recessed wall light fixture showing dimensions: 17 mm, 34 mm, 68 mm, 60 mm, 16 mm, and 7 mm.

Symbol for a recessed wall light, showing a semi-circle with a 'W' inside.

PLAN
SYMBOL

RECESSED WALL LIGHT -
REFER TO PLAN FOR LOCATIONS
HADCO MODEL: RSC2AK5IE BLACK FINISH

Diagram of a landscape accent light fixture showing dimensions: GRADE, LINE VOLTAGE.

Symbol for a landscape accent light, showing a triangle with an 'A' inside.

PLAN
SYMBOL

LANDSCAPE ACCENT LIGHT -
REFER TO PLAN FOR LOCATIONS
HADCO MODEL: MAS LED - BLACK FINISH

NOTE:

A TIMER / CONTROL PANEL TO BE PROVIDED INSIDE THE BUILDING AND TO BE CONNECTED TO ALL LANDSCAPE LIGHTING - TYPE AND LOCATION TO BE APPROVED.

LED LANDSCAPE LIGHTING - WALL & ACCENT LIGHT

SCALE: N.T.S.

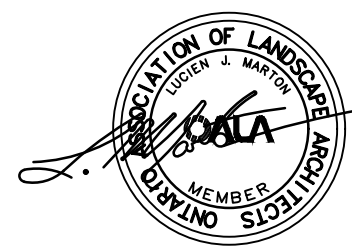
HADCO LANDSCAPE LIGHTING (www.hadco.com) - OR APPROVED EQUAL

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LD-03

12	3rd & 4th OPA/ZBLA/SPA	06/12/23
11	Issued for Coordination	05/26/23
10	Revised per Comments	11/09/22
09	Revised for Submission	11/25/21
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No.	Revision	Date

North: Stamp:



Project:

**Proposed Residential
Development**
1015 Davis Drive & 22 Hamilton Drive
Newmarket, Ontario

Scale: **As Shown** Date: **April 2018**

Drawn By: **D.R.** Checked By: **L.M.**

Drawing Title

Landscape Details

Project No. **18139** Sheet No. **LD-03**

All information contained in these plans shall be checked by the contractor. All discrepancies shall be reported to the Landscape Architect. All drainage patterns must drain positively away from buildings or structures at 2% min. The position of existing above ground and underground services shall be indicated on the plans. The contractor shall be responsible for obtaining all necessary permissions and approvals for the works. For any and all information needed to complete the engineering drawings, the contractor shall be responsible for obtaining the same from the relevant authorities.

WWW.AARCHITECTS.CA

Notes:

DATE _____

DATE:

1. CONCRETE TO BE 25 MPa COMPRESSIVE STRENGTH WITH 6% ± 1% PURPOSELY ENTRAINED AIR AND NOT LESS THAN 325 KG/CU M OF CEMENT. MAXIMUM SLUMP SHALL BE 75 MM.
2. IMMEDIATELY AFTER FINISHING W/ WOODEN FLOOR, ALL WALKS, CURBS, AND WALLS SHALL BE FINISHED WITH WHITE PROMENET FLOATED CURING COMPOUND.
3. EXPANSION JOINTS SHALL BE LOCATED ACCORDING TO EXISTING STRUCTURES (BUILDINGS, WALKS, HYDRANTS, ETC.) AS DIRECTED BY THE ENGINEER IN THE FIELD. REFER TO STD. NO. 224.
4. PROVIDE CLEAN STRAIGHT EXPANSION JOINTS AT 20 FT. O.C.
5. PROVIDE CLEAN STRAIGHT CONTRACTION JOINTS AT 10 FT. O.C.
6. GRANULAR BASE TO BE COMPACTED TO MEET SPEC. TO STD. 601.
7. COMPACTED GRANULAR BASE THICKNESS AND MATERIAL SPECS. TO BE APPROVED BY GEOTECHNICAL (SOIL) ENGINEER TO MEET SITE CONDITION REQUIREMENTS, PRIOR TO CONSTRUCTION.
8. STRUCTURE TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

21

LD-04

sales@hauser.ca | 1-800-268-7328 | hauser.ca

sales@hauser.ca | 1-800-268-7328 | hauser.ca

22

LD04

[illegible]

Technical Drawing: Brick Pier Cap and Wall Section

Top Left: Pier Cap Plan View

- Overall dimensions: 1000mm (width) x 900mm (depth)
- Inner dimensions: 850mm (width) x 750mm (depth)
- Label: PRE-CAST CONCRETE PIER CAP

Top Right: Pier Cap Cross-Section

- Overall dimensions: 400mm (height) x 250mm (width)
- Inner dimensions: 900mm (width) x 750mm (depth)
- Labels:
 - 12mm EPOXY COATED REBAR AT 300 O.C. BOTH WAYS
 - FILL VOIDS BETWEEN VENEER WITH MORTAR

Bottom Left: Wall Section with Pier Cap

- Overall dimensions: 1000mm (width) x 900mm (depth)
- Height: 1475mm (total) x 1300mm (pier cap)
- Labels:
 - PRECAST CONC. WALL CORING COLOUR TO BE APPROVED & MATCH PIER CAP
 - DEVELOPMENT SIGNAGE (12.5mm THICK METAL) WITH OPTIONAL BACKLIGHTING - FINAL IMAGE AND COLOUR TO BE CONFIRMED & SHOP DRAWINGS TO BE PROVIDED
 - 1200mm HT CUSTOM METAL ART SCREEN (REFER TO METAL SCREEN DETAIL FOR MORE INFORMATION)
 - NATURAL STONE OR BRICK VENEER (MATERIAL TYPE & COLOUR TO MATCH BUILDING)

Bottom Right: Wall Section with Pier Cap

- Overall dimensions: 1000mm (width) x 900mm (depth)
- Height: 1475mm (total) x 1300mm (pier cap)
- Labels:
 - 15M EPOXY COATED DOWEL, 150mm LONG, CAST INTO BLOCK CORE AND EXTENDING 75mm ABOVE CORE. ALIGN DOWEL WITH POCKET IN CAP.
 - CONTINUOUS 5mm DRILLING WITH 50mm OVER HANG
 - PRECAST CONC. WALL CORING COLOUR TO BE APPROVED & MATCH PIER CAP
 - BRICK TIES EVERY ROW AT 750 O.C.
 - 75mm THICK DOUBLE SIDED NATURAL STONE OR BRICK VENEER (MATERIAL TYPE & COLOUR TO MATCH BUILDING)
 - 12mm EPOXY COATED REBAR AT 300 O.C. BOTH WAYS
 - 800x500mm POURED CONC. FOUNDATION WALL 30 MPa IN 28 DAYS, 5-7% AIR ENTRAINMENT OR CONCRETE BLOCK FOUNDATION FILL VOIDS WITH MORTAR AND REBAR AT 2 (600) O.C.
 - 100kPa SOIL BEARING CAPACITY MIN.

23

LD-04

North: Stamp:

18139 LD-04

[illegible]

Architect:

A&Architects

A & Associates Architects Inc.
Six Carlaw Ave, Suite 205 B, Toronto, Ontario, M4M 2R5
T: (416) 466-0100

WWW.AARCHITECTS.CA

Planner:

WESTON CONSULTING
planning + urban design
1-800.363.3558 westonconsulting.com

Municipality

Newmarket

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12 3rd & 4th OPA/ZBLA/SPA 06/12/23

11 Issued for Coordination 05/26/23

10 Revised per Comments 11/09/22

09 Revised for Submission 11/25/21

08 Revised per Site Plan 09/23/21

07 Revised per Arborist Data 10/01/20

06 Revised per Site Plan 08/21/20

05 Revised per Site Plan 08/20/20

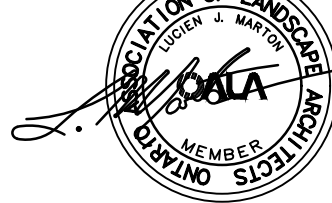
04 Revised per Site Plan 07/17/20

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Drawn By: **D.R.** Checked By: **L.M.**

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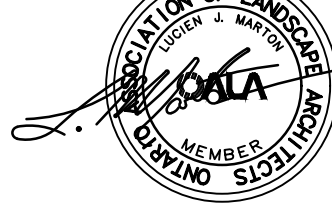
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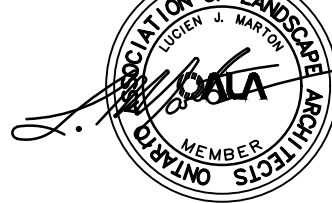
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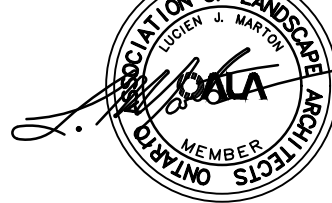
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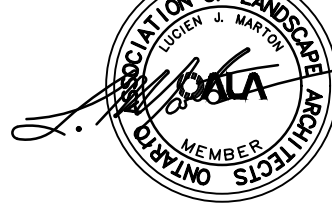
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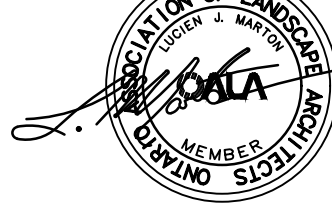
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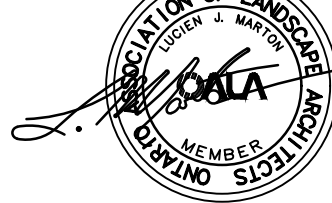
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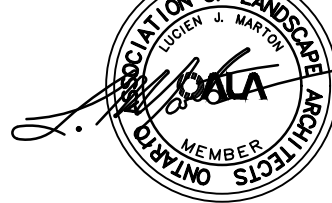
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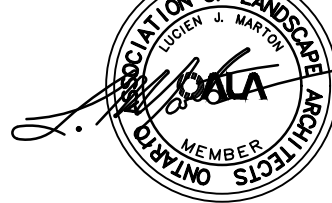
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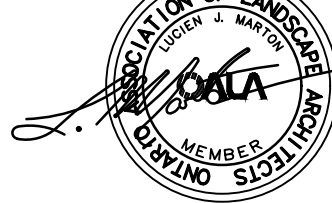
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