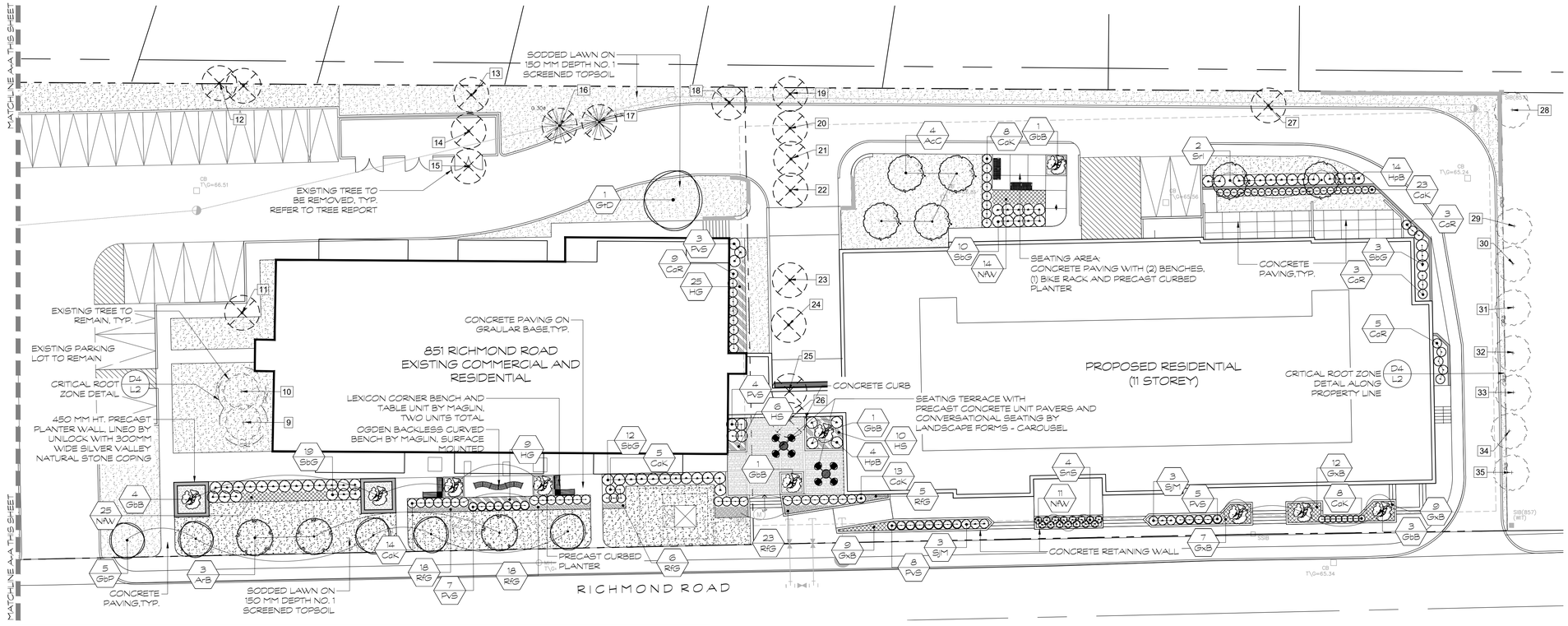

PLANT MATERIAL SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
Deciduous and Coniferous Trees						
AcB	5	Acer rubrum 'Bowhall'	Bowhall Red Maple	60mm	CT	
GbP	7	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry 'Maidenhair Tree	60mm	WB	
GtD	1	Gleditsia triacanthos 'Draves'	Street Keeper Honey Locust	60mm	WB	
SrI	2	Syringa reticulata 'Ivory Silk' STD	Ivory Silk Lilac Tree STD	60mm	WB	STD
Shrubs						
AsC	4	Amelanchier canadensis Clump	Canadian Serviceberry Clump	250cm	WB	Clump
CoR	20	Clethra alnifolia 'Ruby Spice'	Ruby Spice Summersweet	80cm	3gal	Potted
GbB	10	Ginkgo biloba 'Blagon'	Green Spire Ginkgo	250 cm	CT	Pryamidal
HpB	18	Hydrangea paniculata 'Bobo'	Bobo Hydrangea	60 cm	3 gal	
SbG	444	Spiraea bumalda 'Goldflame'	Goldflame Spirea	60cm	3gal	Potted
SjM	6	Spiraea japonica 'Magic Carpet'	Magic Carpet Spirea	60cm	3gal	Potted
Herbaceous						
CaK	71	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	2gal	Potted	
GxB	37	Geranium x. 'Brookside'	Brookside Geranium	1gal	potted	
HG	34	Hemerocallis 'Gentle Shepherd'	Gentle Shepherd Daylilly	1gal	potted	
HS	16	Hemerocallis 'Stella D'Oro'	Stella D'Oro Daylily	1gal	Potted	
NAW	50	Nepeta x. faassenii 'Walker's Low'	Walker's Low Catmint	1gal	Potted	
PvS	27	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	2gal	Potted	
RfG	70	Rudbeckia fulgida 'Goldsturm'	Goldsturm Black-Eyed Susan	1gal	Potted	
SnS	4	Salvia nemorosa 'Snow Hill'	Snow Hill Sage	1gal	Potted	

LEGEND:

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RETAINED
- 9 TREE ID #
- CRZ TREE PROTECTION/CRITICAL ROOT ZONE
- SODDED LAWN
- PROPOSED TREES

TREE INVENTORY REPORT

Tree Report

Address / Lot # 851 Richmond Rd, Ottawa, ON

Dagnewoods — Charles Cavanagh MTO Horticulturist, Consulting ISA Certified Arborist ON-1653A, Dagnewoods Inc.

General Comments:
Recommending the immediate removal of Hazardous trees #'s 6, 7 and 12.
General site location of existing trees of poor quality; For west line (trees 1-6) and far east line (trees 29-35) lack of root zone space.
On site records: 10/3/2017

ID #	Botanical Name	Common Name	Diameter (DPI) (Measured at 1.2m)	Condition (Good, Moderate, Poor)	Proposed Impact (removal or retained)	Comments (Condition, TPZ, treatments...)
1	Acer negundo	Manitoba Maple	22+18+33	Poor	Retained	All 3 trunks with decay. Broken secondary branches in canopy.
2	Acer negundo	Manitoba Maple	17	Poor	Retained	Old injury at base of trunk with decay.
3	Ulmus americana	American Elm	30.8	Moderate	Retained	Trunk lean 15°. Epicormic shoots on trunk.
4	Acer negundo	Manitoba Maple	27.8	Poor	Retained	Trunk lean 15°. Trunk flare rolled over asphalt. Epicormic shoots on trunk.
5	Acer negundo	Manitoba Maple	32	Poor	Retained	Trunk lean 20°. Trunk flare rolled over asphalt. Epicormic shoots on trunk.
6	Acer negundo	Manitoba Maple	34.7	Poor	Removal	Hazardous tree. Fungal fruiting bodies on trunk. Trunk flare rolled over asphalt. Epicormic shoots on trunk. 40% dieback in canopy.
7	Acer negundo	Manitoba Maple	34+35+33.5	Poor	Removal	1 of 3 trunks with extensive decay - Hazardous trunk. Trunk flare rolled over asphalt. Epicormic shoots on trunk. 20° trunk lean.
8	Acer negundo	Manitoba Maple	35	Poor	Removal	Epicormic shoots on trunk. 20° trunk lean.
9	Tilia cordata	Littleleaf Linden	27.5	Poor	Retained	50% crown loss. Broken secondary branches in canopy. Trunk with no flare at grade.
10	Tilia cordata	Littleleaf Linden	33.8	Poor	Retained	50% canopy loss with secondary branch deadwood and help dieback in remaining canopy. Trunk with no flare at grade.
11	Tilia cordata	Littleleaf Linden	28.2	Moderate	Removal	Offset canopy due to pruning away from building. 20° trunk lean. Moderate scaffold structure.
12	Acer negundo	Manitoba Maple	37.9	Poor	Removal	Hazardous tree. Trunk lean 45°. Secondary branch deadwood in complaints off balanced crown.
13	Tilia americana	Basswood	44	Good	Removal	Minor deadwood branchlets in canopy.
14	Tilia americana	Basswood	43.3	Moderate	Removal	Primary branch union developing with included bark.
15	Tilia americana	Basswood	36.6	Moderate	Removal	Secondary Branch deadwood x 2. Minor branchlet deadwood in canopy. Exposed roots on bare earth.
16	Picea abies	Norway Spruce	34.4	Poor	Removal	Sparse foliage. 50% leaf density.
17	Picea abies	Norway Spruce	29.9	Poor	Removal	Sparse foliage. 50% leaf density.
18	Picea glauca	White Spruce	35	Poor	Removal	Sparse foliage. 50% leaf density.
19	Tilia cordata	Littleleaf Linden	51.2	Moderate	Removal	Predominate graft union. Trunk crack from graft up to approx. 3.5m.
20	Tilia cordata	Littleleaf Linden	31.1	Moderate	Removal	Irregular trunk flare. Moderate scaffold structure.
21	Tilia cordata	Littleleaf Linden	26.5	Poor	Removal	Approx. top 2m of canopy is dead.
22	Tilia cordata	Littleleaf Linden	36.9	Poor	Removal	Irregular crown of poor structure. Lower 20% broken branches.
23	Tilia cordata	Littleleaf Linden	45.7	Moderate	Removal	Girdling root. Minor deadwood.

Tree Report

Address / Lot # 851 Richmond Rd, Ottawa, ON

Dagnewoods — Charles Cavanagh MTO Horticulturist, Consulting ISA Certified Arborist ON-1653A, Dagnewoods Inc.

General Comments:
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ID #	Botanical Name	Common Name	Diameter (DPI) (Measured at 1.2m)	Condition (Good, Moderate, Poor)	Proposed Impact (removal or retained)	Comments (Condition, TPZ, treatments...)
24	Tilia cordata	Littleleaf Linden	34	Moderate	Removal	Trunk flare injury. Moderate scaffold structure.
25	Tilia cordata	Littleleaf Linden	35.7	Poor	Removal	50% of canopy is dead.
26	Tilia cordata	Littleleaf Linden	29.2	Poor	Removal	35% of canopy is dead.
27	Acer negundo	Manitoba Maple	36.9+34.8	Poor	Removal	2 stem with included bark at union. Trunk flare rolling over asphalt. Poor scaffold structure.
28	Acer negundo	Manitoba Maple	50.2	Poor	Retained	2 stem at 2m. One with cavity and decay - weeping. Trunk lean 15°. No trunk flare.
29	Ulmus pumila	Siberian Elm	53.5	Moderate	Retained	1st branch at 3m - weeping at union. Minor deadwood throughout canopy.
30	Ulmus pumila	Siberian Elm	34	Moderate	Retained	Sucker knot at base of trunk. Co-dominant trunks begining at 4m. Minor deadwood throughout canopy.
31	Ulmus pumila	Siberian Elm	34.1	Moderate	Retained	Co-dominant trunks begining at 3m. Union with included bark. Minor deadwood throughout canopy.
32	Ulmus pumila	Siberian Elm	32.8	Moderate	Retained	Moderate scaffold branch structure. Lower deadwood.
33	Ulmus pumila	Siberian Elm	36.9	Moderate	Retained	Moderate scaffold branch structure. Minor deadwood branchlets in canopy.
34	Ulmus pumila	Siberian Elm	30.8	Moderate	Retained	Moderate scaffold branch structure. Sucker knot at base and flat sided on one side of trunk at base. Minor deadwood branchlets in canopy.
35	Ulmus pumila	Siberian Elm	53	Moderate	Retained	Moderate scaffold branch structure. Girdling root at base of trunk. 1st 3-trunk union with included bark. Minor deadwood branchlets in canopy.

APPROVED
By Laurel McCreight at 9:20 am, Mar 01, 2019

DERRICK MOODIE
MANAGER
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

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HOMESTEAD

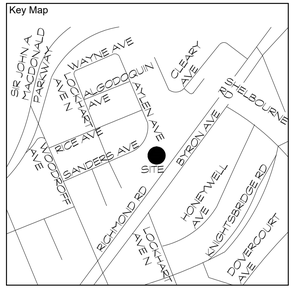
Seal

Association of Landscape Architects Ontario — Scott M. Wentworth — OALA Member

North

No.	Issues and Revisions	Date
1.0	REVIEW	2017-09-26
2.0	SUBMISSION	2017-10-02
3.0	RESUBMISSION	2018-06-27

Key Map



Project Notes

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The contractor shall check and verify all dimensions and report any discrepancies, error, or omissions to the Landscape Architect prior to commencing work.

Base plan information taken from Site Plan provided by:
Company Name: Roderick Lahey Architect Inc.
Dated: March 2018

Wentworth Landscapes
13392 Loyalist Parkway R.R.1, Picton ON K0K 2T0
613.547.3772

Consultants

WENTWORTH LANDSCAPES

Client
HOMESTEAD LAND HOLDINGS LIMITED

Project
851 RICHMOND ROAD

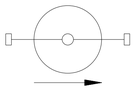
Project Location
851 RICHMOND ROAD
OTTAWA, ON

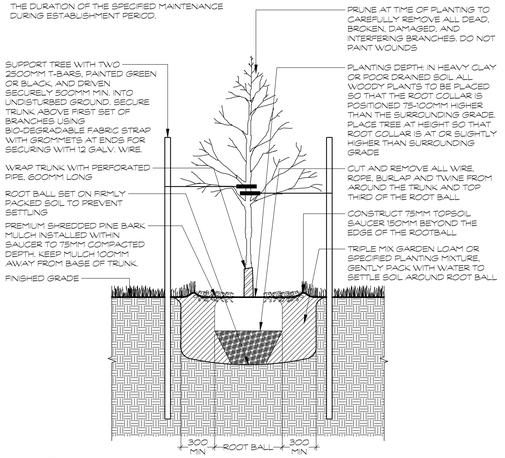
Drawing Title
SITE LANDSCAPE PLAN

Scale 1:200	
Date 2017-09-18	Plot Date 2018-06-28
Designed By TG	Drawn By DD
Approved By SW	Drawing Number L1
Project Number 17029	

PLANT MATERIAL QUALITY STANDARDS
ALL PLANT MATERIAL TO CONFORM TO THE LEVELS OF STANDARDS ESTABLISHED BY THE CANADIAN STANDARDS FOR NURSERY STOCK, EIGHTH EDITION, PUBLISHED BY THE CANADIAN NURSERY LANDSCAPE ASSOCIATION.

WATERING
ENSURE TREES ARE THOROUGHLY WATERED AT TIME OF PLANTING. CONTINUE WATERING AS REQUIRED TO PROVIDE ADEQUATE MOISTURE FOR THE DURATION OF THE SPECIFIED MAINTENANCE DURING ESTABLISHMENT PERIOD.





D1 DECIDUOUS TREE PLANTING
1:25

NOTES
-SHRUBS AS DETAILED REPRESENTS BOTH CONIFEROUS AND DECIDUOUS SPECIES
-PLACE MULCH TO EVEN HORIZONTAL GRADE
-SHRUBS PLANTED IN GROUPS SHALL BE SET IN CONTINUOUS PLANTING BEDS
-SHRUB BEDS TO BE BACKFILLED WITH TRIPLE MIX GARDEN LOAM PLANTING MIXTURE AS SPECIFIED TO A COMPACTED DEPTH OF 450MM
-FIRMLY COMPACTED BACKFILLED PLANTING MIXTURE TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

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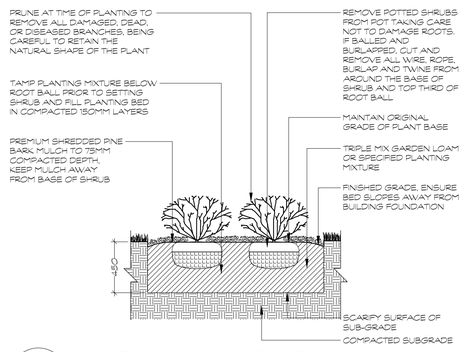

D2 SHRUB PLANTING
1:25

NOTES
-PLACE MULCH TO EVEN HORIZONTAL GRADE.
-FIRMLY COMPACTED BACKFILLED TRIPLE MIX GARDEN LOAN OR SPECIFIED PLANTING MIXTURE TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT.

PLANT MATERIAL QUALITY STANDARDS
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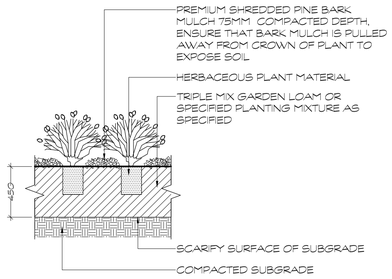
WATERING
ENSURE HERBACEOUS PLANTS ARE THOROUGHLY WATERED AT TIME OF PLANTING. CONTINUE WATERING AS REQUIRED TO PROVIDE ADEQUATE MOISTURE FOR THE DURATION OF THE SPECIFIED MAINTENANCE DURING ESTABLISHMENT PERIOD.



D3 HERBACEOUS PLANTING
1:25

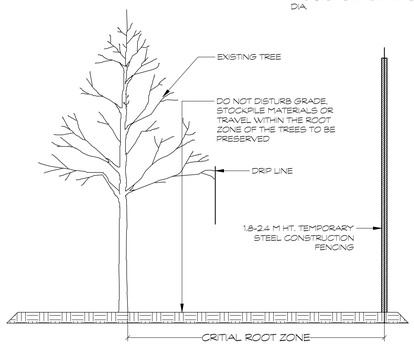
NOTES
1. REFER TO TREE PRESERVATION SPECIFICATIONS
2. MAINTAIN CRZ CONSTRUCTION FENCING IN PLACE FOR THE ENTIRE DURATION OF CONSTRUCTION
3. ALL CRZ FENCING SHALL BE IN PLACE PRIOR TO ANY SITE ALTERATIONS/CONSTRUCTIONACTIVITY AND TO BE MAINTAINED TO SPECIFICATION THROUGHOUT THE PROJECT UP TO AND INCLUDING THE COMPLETION OF ALL LANDSCAPE TREATMENTS.
4. NO PERSON OR CONTRACTOR SHALL ENTER, MOVE OR ADJUST THE CRZ ONCE THE FENCING HAS BEEN ERECTED. THE CRZ SHALL NOT BE REMOVED UNTIL THE COMPLETION OF THE PROJECT.
5. DO NOT ATTACH SIGNS OR POSTERS TO THE TREE.
6. DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRZ FENCING.
7. DO NOT RAISE OR LOWER THE EXISTING GRADE WITHIN THE CRZ OF THE TREE WITHOUT APPROVAL OF FORESTRY SERVICES.
8. DO NOT DAMAGE THE ROOT SYSTEM, TRUNK OR BRANCHES OF ANY TREE.
9. DO NOT TUNNEL OR BORE WHEN DIGGING WITHIN THE CRZ OF ANY TREE.
10. ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARDS ANY TREES CANOPY.

CRITICAL ROOT ZONE SIGNAGE
A SIGN THAT IS SIMILAR TO THE ILLUSTRATION TO THE RIGHT MUST BE MOUNTED ON ALL SIDES OF A TREE PROTECTION BARRIER. THE SIGN SHOULD BE A MINIMUM OF 400CM X 600CM (15.7"X23.6") AND MADE OF WHITE GATOR BOARD OR EQUIVALENT MATERIAL.

CRITICAL ROOT ZONE (CRZ)
NO GRADE CHANGE, STORAGE OF MATERIALS, VEHICLES OR EQUIPMENT IS PERMITTED WITHIN THIS CRZ. THIS TREE PROTECTION BARRIER MUST NOT BE REMOVED WITHOUT THE WRITTEN AUTHORIZATION OF THE CITY OF OTTAWA

CRITICAL ROOT ZONE (CRZ)
D = DIAMETER OF TRUNK IN CENTIMETRES
D x 10 CM = CRITICAL ROOT ZONE

THE CRITICAL ROOT ZONE IS ESTABLISHED AS BEING 10CM FROM THE TRUNK OF A TREE FOR EVERY CM OF TRUNK DIAMETER. THE TRUNK DIAMETER IS MEASURED AT A HEIGHT OF 1.2M FOR TREES OF 15CM DIA. AND GREATER AND AT A HEIGHT OF 0.3M FOR TREES LESS THAN 15CM DIA.



D4 TREE PROTECTION ZONE/ CRITICAL ROOT ZONE
1:25

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HOMESTEAD

Seal

North

No.	Issues and Revisions	Date
1.0	REVIEW	2017-09-26
2.0	SUBMISSION	2017-10-02
3.0	RESUBMISSION	2018-06-27

Key Map

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Client
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Project
851 RICHMOND ROAD

Project Location
851 RICHMOND ROAD
OTTAWA, ON

Drawing Title
SITE DETAILS

Scale
AS NOTED

Date	Plot Date
2017-09-18	2018-06-27
Designed By: TG	Drawn By: DD
Approved By: SW	Drawing Number: L2
Project Number: 17029	