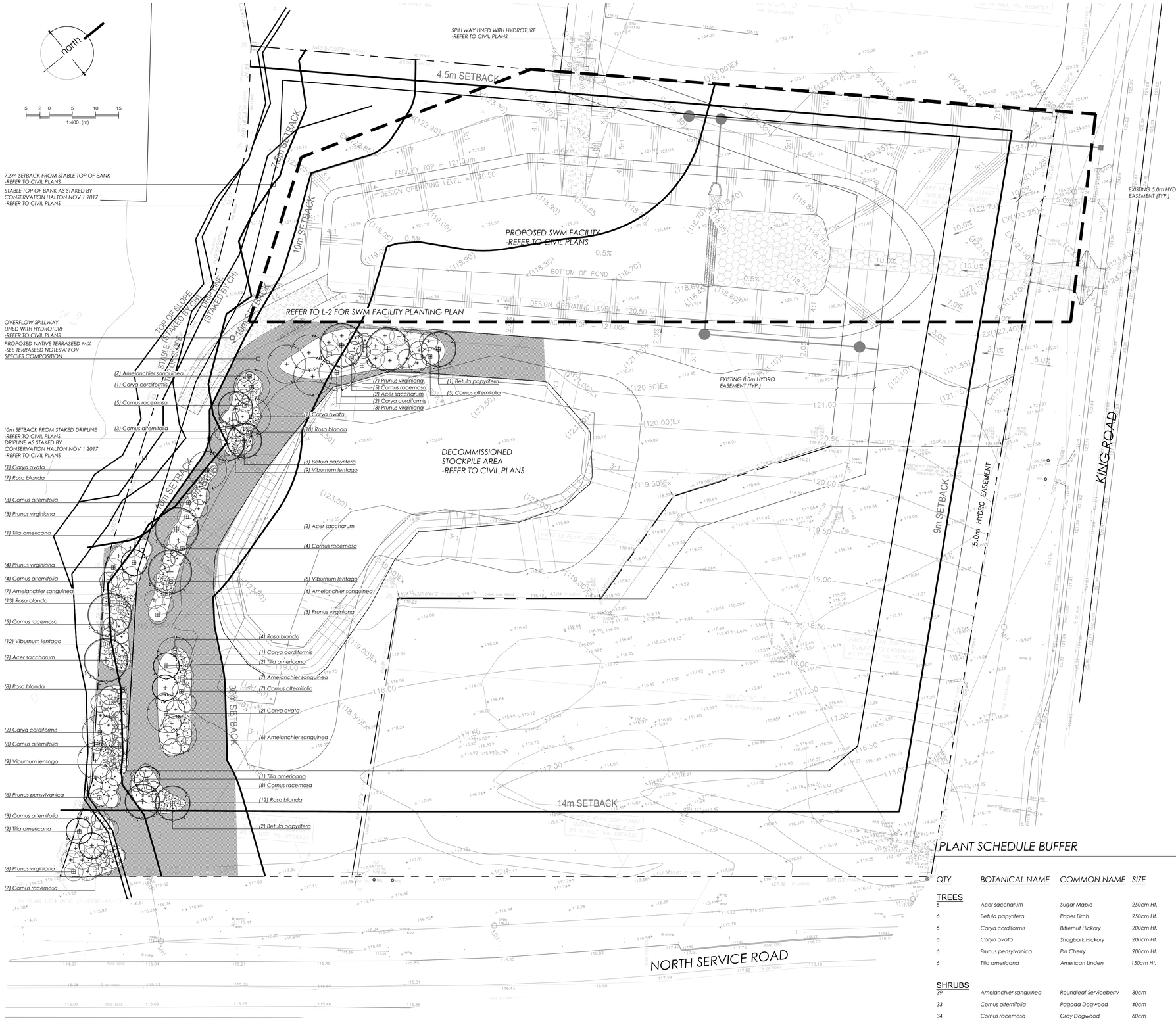
project #: 21-219

north

5 2 0 5 10 15
1:400 (m)



TERRASEED NOTES 'A':

1. *Areas to be seeded with naturalization mix shall receive an application of naturalization seed at the rate of 25-30 kg/hectare or 2 kg/100m² for spot applications, in the following mixture:*

*Native Woodland Edge Seed Mix**

Black Eyed Susan (Rudbeckia hirta)	*1%*
Evening Primrose (Oenothera biennis)	*1%*
Canada Anemone (Anemone canadensis)	*1%*
Canada Goldenrod (Solidago caesia)	*1%*
Woodland Sunflower (Helianthus divaricatus)	*1%*
Heart-leaved Aster (Aster cordifolius)	*1%*
Hairy Beardtongue (Penstemon hirsutus)	*5%*
Grass-leaved Goldenrod (Euthamia graminifolia)	*5%*
Big Blue Stem (Andropogon gerardii)	*10%*
Pennsylvania Sedge (Carex pensylvanica)	*10%*
Bottle Brush Grass (Elymus hystrix)	*30%*
Canada Rye (Elymus canadensis)	*30%*

*apply with Annual Oats (Avena sativa) nursecrop at 22kg/hectare.

Supplied by:
St. Williams Nursery & Ecological Centre (or approved equal)
P: 1-519-586-9116
W: www.stwilliamsnursery.com

2. *Contractor responsible for soil test to determine fertilizer rates. Results of soil test shall be provided to the Landscape Architect for review and approval.*
3. *Hydraulic mulch to be approved by the Landscape Architect shall be applied at the rate of 2100kg per hectare.*
4. *The contractor shall not carry out the work under adverse weather conditions such as high wind, frozen ground or ground covered with snow, ice or standing water.*
5. *Grade sub-grade, eliminate uneven areas and low spots, ensure positive drainage. Remove debris, roots, branches, stones in excess of 50mm diameter and other deleterious materials. Remove subsoil that has been contaminated with oil, gasoline or calcium chloride, dispose of removed material as directed by Landscape Architect.*
6. *Grade seed bed for terraseeding to a uniform surface and remove vegetation which may interfere with seeding operations. Loosen soil to depth of 25mm minimum and remove stones and foreign material which protrude more than 75mm above the surface.*
7. *All areas to be terraseeded to receive 150mm of topsoil.*
8. *Seeded areas to be maintained by contractor ensuring adequate water, fertilizer, maintenance and repair until seeded areas are properly established. Areas seeded in fall will be accepted in following spring, one month after start of growing season provided acceptance conditions are fulfilled.*

LANDSCAPE NOTES:

1. *All work to be carried out in accordance with by-laws and codes having jurisdiction over site location.*
2. *Complete all work to the satisfaction of the Landscape Architect.*
3. *Report any changes, discrepancies or substitutions to the Landscape Architect for review. Obtain approval from the Landscape Architect before proceeding.*
4. *It is the contractor's responsibility to determine existing service locations.*
5. *Exact locations of plant material will be determined by placement of site services such as hydro vaults, meters, utilities roof rain water leaders, driveways, light standards, etc.*
6. *All plant material locations to be staked or marked out and approved by Landscape Architect prior to installation.*
7. *Supply all plant material in accordance with the Canadian Standards for Nursery Stock (8th ed.).*
8. *Install plant material according to details shown.*
9. *Supply and place mulch in accordance with Canadian Landscape Standard (Section 10, Mulching). Disturbed soil areas around trees and shrubs are to be covered with shredded conifer bark mulch such as 'Cedar Bark Mulch' by All Treat Farms or 'Classic Cedar Mulch' by Gro-Bark, or approved equivalent. Alternative mulches must be approved by the Landscape Architect.*
10. *Contractor to utilize layout dimensions where provided*
11. *Provide planting bed area as noted on the drawing or to accommodate mature size of plant material.*
12. *All support systems must be removed by the contractor at time of final acceptance. No extras will be paid to complete this work*
13. *Supply and place topsoil in accordance with Canadian Landscape Standard (Section 4, Grading & Drainage and Section 6, Growing Medium) to a minimum depth of 150mm unless otherwise specified.*
14. *Supply and place sod in accordance with Canadian Landscape Standard (Section 7, Lawns & Grass and Section 8, Turfgrass Sod)unless otherwise specified.*
15. *Supply and place seed in accordance with Canadian Landscape Standard (Section 4, Grading & Drainage and Section 6, Growing Medium) unless otherwise specified. All 5:1 or greater slopes to be seeded with tacifier. Contractor to provide necessary erosion control protection as required to ensure soil stabilization and proper seed germination.*
16. *All dimensions in meters unless otherwise noted.*
17. *If discrepancies arise between plant material count shown on drawing and plant list, the drawing shall be considered correct.*
18. *Contractor to provide minimum one (1) year warranty (including trees on municipal property) from date accepted on all work unless otherwise specified.*
19. *Any site plan or grading and servicing shown is for information only. Refer to approved drawings.*
20. *Not for construction unless stamped, signed and dated by Landscape Architect.*
21. *Drawings not to be reproduced without written consent from Landscape Architect.*
22. *Approval of landscape plan to be obtained from municipality.*
23. *All plant material to be planted a minimum of 1.0m from any swales or ditches.*
24. *For grading and servicing information refer to the consulting Engineer's drawings.*
25. *For lighting information and power distribution refer to the electrical consultant's drawings.*

PLANT SCHEDULE BUFFER

QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	MATURE HT. (M)	MATURE SPR. (M)	O.C. (M)	REMARKS
TREES								
6	*Acer saccharum*	*Sugar Maple*	*250cm Ht.*	*#15 cont.*	*30.0*	*18.0*	*As Shown*	*Native to Ontario*
6	*Betula papyrifera*	*Paper Birch*	*250cm Ht.*	*#15 cont.*	*15.0*	*11.0*	*As Shown*	*Native to Ontario*
6	*Carya cordiformis*	*Bitternut Hickory*	*200cm Ht.*	*#10 cont.*	*20.0*	*15.0*	*As Shown*	*Native to Ontario*
6	*Carya ovata*	*Shagbark Hickory*	*200cm Ht.*	*#10 cont.*	*25.0*	*17.0*	*As Shown*	*Native to Ontario*
6	*Prunus pensylvanica*	*Pin Cherry*	*200cm Ht.*	*#7 cont.*	*10.0*	*4.0*	*As Shown*	*Native to Ontario*
6	*Tilia americana*	*American Linden*	*150cm Ht.*	*#7 cont.*	*25.0*	*15.0*	*As Shown*	*Native to Ontario*
SHRUBS								
39	*Amelanchier sanguinea*	*Roundleaf Serviceberry*	*30cm*	*#2 cont.*	*6.0*	*4.0*		
33	*Cornus alternifolia*	*Pagoda Dogwood*	*40cm*	*#3 cont.*	*4.0*	*7.0*	*As Shown*	*Native to Ontario*
34	*Cornus racemosa*	*Gray Dogwood*	*60cm*	*#3 cont.*	*3.0*	*3.0*	*2.5*	*Native to Ontario*
28	*Prunus virginiana*	*Chokecherry*	*60cm*	*#5 cont.*	*6.0*	*6.0*	*3.5*	*Native to Ontario*
54	*Rosa blanda*	*Meadow Rose*	*30cm*	*#2 cont.*	*1.3*	*1.5*	*1.4*	*Native to Ontario*
36	*Viburnum lentago*	*Nannyberry*	*50cm*	*#3 cont.*	*5.0*	*2.0*	*1.5*	*Native to Ontario*

KEY MAP - N.T.S.



LEGEND

- property line
- proposed deciduous tree
- proposed shrub
- existing elevation (+125.20)
- proposed elevation (+(118.90))
- min. 150mm topsoil, fine grade & native woodland edge seed mixture - see terraseed notes 'A'

DRAFT
ISSUED FOR REVIEW & COMMENTS ONLY

REVISIONS/ SUBMISSIONS

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2	2022-02-18	Issued for submission
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STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
SCOTT P.B. HENDERSON
MEMBER

CLIENT
Quantum Realty Management

MUNICIPALITY
City of Burlington

PROJECT
1450 King Road

MUNICIPAL FILE NUMBER

SHEET
Buffer Planting Plan

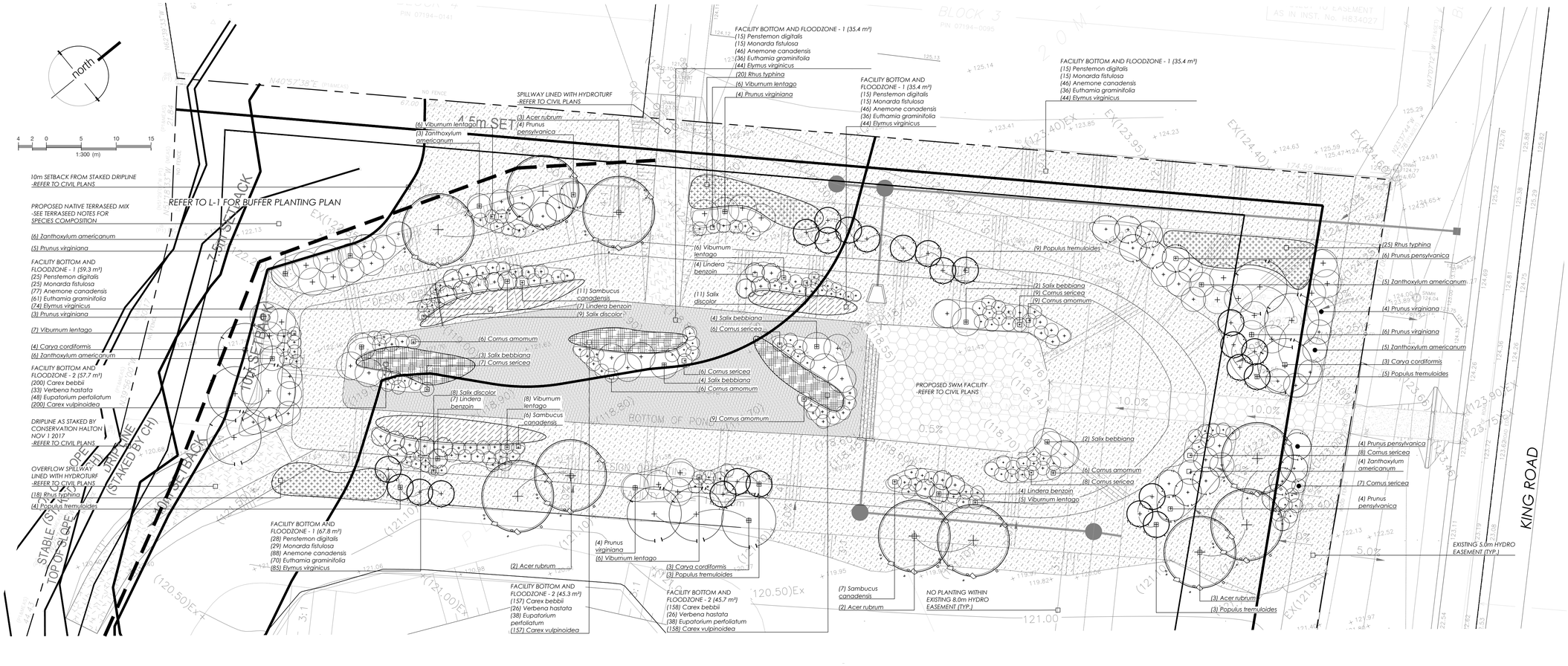
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adesso design inc.
landscape architecture

69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
www.adessodesigninc.ca

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LAST MODIFIED BY: Jessica Vo, Wednesday, November 15, 2023 11:53:54 AM PLOTTED BY: Christoph Plate Wednesday, November 15, 2023 11:55:14 AM

project #: 21-219



KEY MAP - N.T.S.



LEGEND

- property line
- proposed deciduous tree
- proposed shrub
- existing elevation
- proposed elevation
- min. 150mm topsoil, fine grade & shoreline native seed mixture - see terraseed notes 'B'
- min. 150mm topsoil, fine grade & stormwater pond native seed mixture - see terraseed notes 'C'

PLANT SCHEDULE SWMF

TREES	BOTANICAL NAME	COMMON NAME	SIZE	COND.	MATURE HT. (M)	MATURE SPR. (M)	O.C. (M)	REMARKS
10	Acer rubrum	Red Maple	50mm Cal.	W.B.	15.0	12.0	As Shown	Native to Ontario
10	Carya cordiformis	Bitternut Hickory	200cm Ht.	#10 cont.	20.0	15.0	As Shown	Native to Ontario
24	Populus tremuloides	Trembling Aspen	50mm Cal.	W.B.	12.0	5.0	As Shown	Native to Ontario
18	Prunus pensylvanica	Pin Cherry	200cm Ht.	#7 cont.	10.0	4.0	As Shown	Native to Ontario
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	COND.	MATURE HT. (M)	MATURE SPR. (M)	O.C. (M)	REMARKS
36	Cornus amomum	Silky Dogwood	30cm	#3 cont.	2.0	2.0	1.75	Native to Ontario
51	Cornus sericea	Red Osier Dogwood	50cm	#3 cont.	1.75	2.0	1.75	Native to Ontario
22	Lindera benzoin	Spicebush	40cm	#3 cont.	4.0	3.0	2.5	Native to Ontario
26	Prunus virginiana	Chokecherry	60cm	#5 cont.	6.0	6.0	3.5	Native to Ontario
15	Salix bebbiana	Beaked Willow	60cm	#3 cont.	5.0	10.0	5.0	Native to Ontario
28	Salix discolor	Pussy Willow	40cm	#3 cont.	5.0	1.5	1.1	Native to Ontario
24	Sambucus canadensis	Elderberry	50cm	#3 cont.	2.5	2.0	1.75	Native to Ontario
44	Viburnum lentago	Nannyberry	50cm	#3 cont.	5.0	2.0	1.5	Native to Ontario
29	Zanthoxylum americanum	Common Pricklyash	30cm	#3 cont.	6.0	4.0	3.5	Native to Ontario
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	COND.	MATURE HT. (M)	MATURE SPR. (M)	O.C. (M)	REMARKS
213	Anemone canadensis	Canadian Anemone	--	#1 cont.	0.50	0.50		Native to Ontario
517	Carex bebbii	Bebb's Sedge	--	Plug	0.80	0.20		Native to Ontario
517	Carex vulpinoidea	Fox Sedge	--	Plug	0.90	0.50		Native to Ontario
204	Elymus virginicus	Virginia Wild Rye	--	Plug	1.5	0.60		Native to Ontario
125	Eupatorium perfoliatum	Common Boneset	--	#1 cont.	1.25	0.90		Native to Ontario
168	Euthamia graminifolia	Grass-leafed Goldenrod	--	Plug	1.0	0.60		Native to Ontario
71	Monarda fistulosa	Bergamot	--	#1 cont.	1.1	0.90		Native to Ontario
69	Penstemon digitalis	Beardtongue	--	#1 cont.	0.60	0.60		Native to Ontario
63	Rhus typhina	Staghorn Sumac	50cm	#3 cont.	2.5	2.5	2.0	Native to Ontario
88	Verbena hastata	Blue Vervain	--	#1 cont.	2.0	0.90		Native to Ontario

TERRASEED NOTES 'B':

1. *Areas to be seeded with naturalization mix shall receive an application of naturalization seed at the rate of 25-30 kg/hectare or 2 kg/100m² for spot applications, in the following mixture:*

*OCS Shoreline Native Seed Mixture 8250**

Green Bulrush (Scirpus atrovirens)	1%
Spotted Joe Pye Weed (Eupatorium maculatum)	1%
Purple Stemmed Aster (Aster puniceus)	2%
Swamp Milkweed (Asclepias incarnata)	2%
Blue Vervain (Verbena hastata)	9%
Blunt Broom Sedge (Carex scoparia)	10%
Sweet Flag (Acorus americanus)	10%
Fox Sedge (Carex vulpinoide)	25%
Virginia Wild Rye (Elymus virginicus)	40%

*apply with Annual Oats (Avena sativa) nursecrop at 22kg/hectare.

Supplied by:
OSC - Ontario Seed Co. Limited
P: 1-519-886-0557
W: www.oscseeds.com

2. *Contractor responsible for soil test to determine fertilizer rates. Results of soil test shall be provided to the Landscape Architect for review and approval.*
3. *Hydraulic mulch to be approved by the Landscape Architect shall be applied at the rate of 2100kg per hectare.*
4. *The contractor shall not carry out the work under adverse weather conditions such as high wind, frozen ground or ground covered with snow, ice or standing water.*
5. *Grade sub-grade, eliminate uneven areas and low spots, ensure positive drainage. Remove debris, roots, branches, stones in excess of 50mm diameter and other deleterious materials. Remove subsoil that has been contaminated with oil, gasoline or calcium chloride, dispose of removed material as directed by Landscape Architect.*
6. *Grade seed bed for terraseeding to a uniform surface and remove vegetation which may interfere with seeding operations. Loosen soil to depth of 25mm minimum and remove stones and foreign material which protrude more than 75mm above the surface.*
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TERRASEED NOTES 'C':

1. *Areas to be seeded with naturalization mix shall receive an application of naturalization seed at the rate of 25-30 kg/hectare or 2 kg/100m² for spot applications, in the following mixture:*

*OCS Stormwater Pond Native Mixture 8190**

New England Aster (Aster novae-anglaie)	2%
Black Eyed Susan (Rudbeckia hirta)	3%
Canada Wild Rye (Elymus canadensis)	15%
Fox Sedge (Carex vulpinoide)	15%
Indiangrass (Sorghastum nutans)	15%
Fowl Bluegrass (Poa palustris)	25%
Virginia Wild Rye (Elymus virginicus)	25%

*apply with Annual Oats (Avena sativa) nursecrop at 22kg/hectare.

Supplied by:
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P: 1-519-886-0557
W: www.oscseeds.com

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23. *All plant material to be planted a minimum of 1.0m from any swales or ditches.*
24. *For grading and servicing information refer to the consulting Engineer's drawings.*
25. *For lighting information and power distribution refer to the electrical consultant's drawings.*

DRAFT
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ST

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
SCOTT PS HENDERSON
MEMBER
2023

CLIENT
Quantum Realty Management

MUNICIPALITY
City of Burlington

PROJECT
1450 King Road

MUNICIPAL FILE NUMBER

SHEET
SWM Facility
Landscape Plan

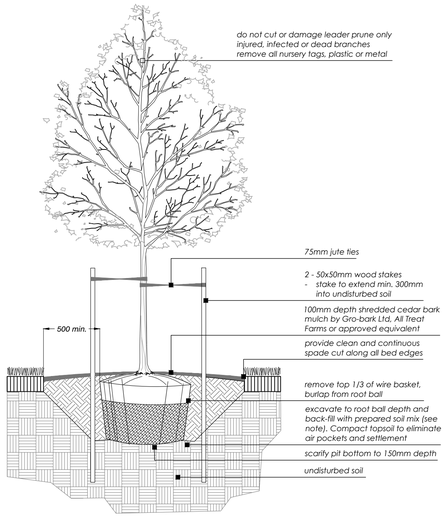
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adesso design inc.
landscape architecture

69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
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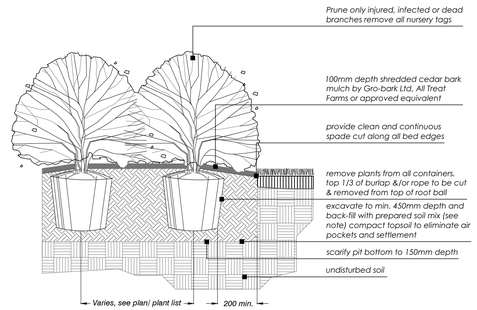
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project #: 21-219



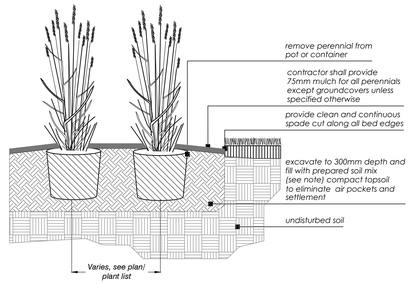
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SCALE: NTS



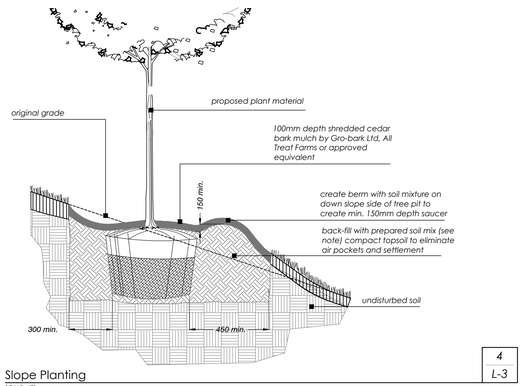
Container Grown Shrub — 2 / L-3

SCALE: NTS



Container Grown Perennial — 3 / L-3

SCALE: NTS



Slope Planting — 4 / L-3

SCALE: NTS

PLANTING NOTES:

1. *Soil mixture: four (4) parts native soil, one (1) part well rotted compost.If existing soil is not suitable provide triple mix topsoil or approved equal.*
2. *Saucer shall be soaked with water and mulched immediately following planting.*
3. *Massed shrubs shall be planted in continuous mulched beds unless otherwise noted.*
4. *Staking schedule:*
   - *< 30mm caliper size/ 2500mm ht. - one stake*
   - *> 30mm caliper size/ 2500mm ht. - two stakes*
   - *> 70mm caliper - three stakes*
5. *All support systems must be removed once tree is established.*
6. *All trees to be straight and planted vertically regardless of slope.*
7. *Top of root flare shall be positioned 50mm above grade.*
8. The following depths of soil are required for planting;
   - 15cm topsoil for sod;
   - 30cm of topsoil for perennials;
   - 45cm of topsoil for shrubs;
   - 90cm of topsoil for trees

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CLIENT
Quantum Realty Management

MUNICIPALITY
City of Burlington

PROJECT
1450 King Road

MUNICIPAL FILE NUMBER

SHEET
Details

L-3

adesso design inc.
landscape architecture

69 John Street South, Suite 250
Hamilton, ON L8N 2B9
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www.adessodesigninc.ca

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