

**SEED MIX**

**UPLAND SEED MIXTURE**  
with MIN 100mm approved topsoil  
Upland seed mix to be applied at a rate of 250g/90m<sup>2</sup> (¼ lb/1000 ft<sup>2</sup>)

- 1% Canada Anemone (*Anemone canadensis*)
- 2% Common Milkweed (*Asclepias syriaca*)
- 15% Limestone Meadow Sedge (*Carex granularis*)
- 40% Virginia Wildrye (*Elymus virginicus* va. *virginicus*)
- 1% Grass-leaved Goldenrod (*Euthamia graminifolia*)
- 1% Wild Bergamot (*Monarda fistulosa* var. *fistulosa*)
- 25% Common Evening Primrose (*Oenothera biennis*)
- 10% Black Eyed Susan (*Rudbeckia hirta*)
- 1% Canada Goldenrod (*Solidago canadensis* var. *canadensis*)
- 1% Early Goldenrod (*Solidago juncea*)
- 1% Grey-stemmed Goldenrod (*Solidago nemoralis* var. *memoralis*)
- 1% New England Aster (*Symphotrichum novae-angliae*)
- 1% White Vervain (*Verbena urticifolia*)

**COVER CROP MIXTURE**  
Cover crop to be applied at a rate of 150g/100m<sup>2</sup>.

- If seeding from May to September.  
40% Oats (*Avena sativa*)  
45% Barley (*Hordeum vulgare*)  
15% Canada Wildrye (*Elymus canadensis*)
- If seeding in October/November  
100% Winter Wheat (*Triticum aestivum*)

Seed mix to be mechanically broadcast, mix with dampened inert carrier (ex. dampened sand or sawdust) to provide even coverage.

Any and all areas showing poor seed germination at the end of the first growing season after seeding is to be re-seeded at the same rate.

**TOTAL PLANTINGS ACROSS PLANTING TYPOLOGIES**

BOTANICAL NAME	COMMON NAME	QUANTITY	CALIPER @ DBH	HEIGHT / SPREAD	CONDITION
<b>TREES</b>					
<i>Acer saccharum</i>	Sugar Maple	8	-	200cm ht.	Potted
<i>Ostrya virginiana</i>	Ironwood	1	45mm cal.	-	WB or B&B
<i>Ostrya virginiana</i>	Ironwood	15	-	200cm ht.	Potted
<i>Picea glauca</i>	White Spruce	6	-	200cm ht.	WB or B&B
<i>Pinus strobus</i>	White Pine	4	-	300cm ht.	WB or B&B
<i>Populus grandidentata</i>	Large-toothed Aspen	4	-	200cm ht.	Potted
<i>Prunus serotina</i>	Black Cherry	4	-	200cm ht.	Potted
<i>Quercus rubra</i>	Red Oak	5	70mm	-	WB or B&B
<i>Quercus macrocarpa</i>	Bur Oak	5	-	200cm ht.	Potted
<b>SHRUBS</b>					
<i>Amelanchier laevis</i>	Allegheny Serviceberry	58	-	100cm ht.	Potted
<i>Cornus racemosa</i>	Grey Dogwood	50	-	60cm ht.	Potted
<i>Diervilla lonicera</i>	Diervilla	75	-	60cm ht.	Potted
<i>Rhus typhina</i>	Staghorn Sumac	40	-	60cm ht.	Potted
<i>Ribes cynosbati</i>	Prickly Gooseberry	55	-	60cm ht.	Potted
<i>Rubus allegheniensis</i>	Allegheny Blackberry	50	-	60cm ht.	Potted
<i>Rubus occidentalis</i>	Black Raspberry	55	-	60cm ht.	Potted
<i>Sambucus canadensis</i>	Elderberry	33	-	60cm ht.	Potted

**CANOPY STREET TREES**

BOTANICAL NAME	COMMON NAME	QUANTITY	CALIPER @ DBH	HEIGHT / SPREAD	CONDITION
<b>TREES</b>					
<i>Celtis occidentalis</i>	Common Hackberry	5	70mm	-	WB or B&B
<i>Gymnocladia dioica</i>	Kentucky Coffee Tree	5	70mm	-	WB or B&B
<i>Ostrya virginiana</i>	Eastern Hop-hornbeam	5	70mm	-	WB or B&B
<i>Quercus rubra</i>	Red Oak	5	70mm	-	WB or B&B
<i>Quercus macrocarpa</i>	Bur Oak	5	70mm	-	WB or B&B

**SOIL PREPARATION NOTES:**

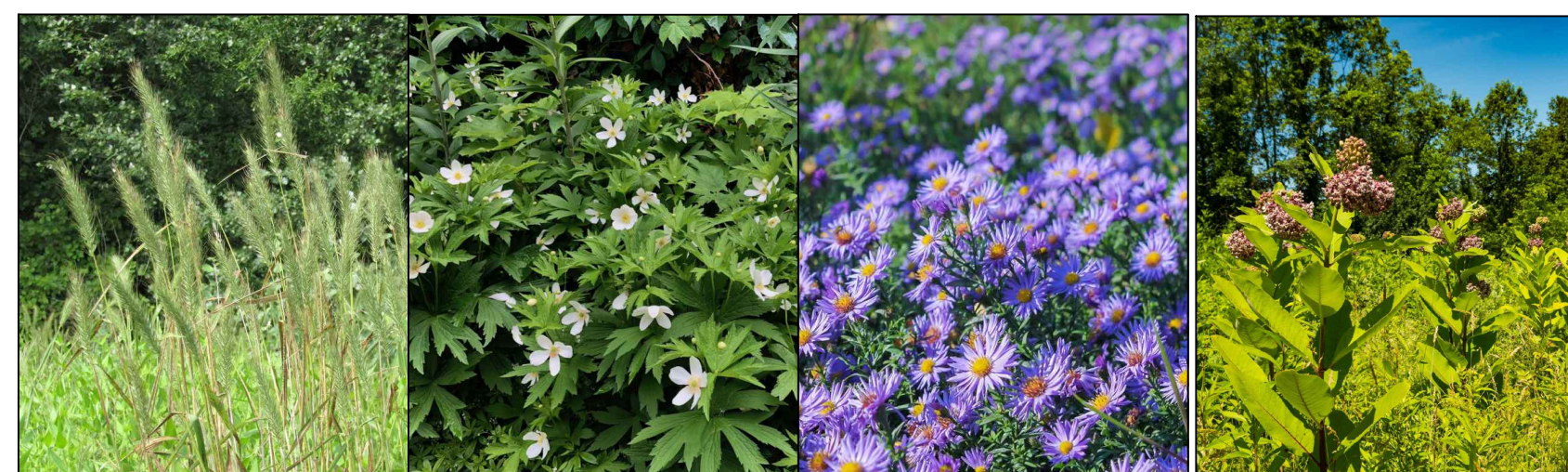
- Soil to be retained within tree protection area. This area is defined by the tree protection hoarding described on the Tree Preservation Plan.
- Where existing soils are to be prepared for native seed mix the area should be mowed and rototilled to a depth of 30cm. Where soils are overly compacted and cannot be loosened, hard pan soils should be removed to a depth of 20cm and removed from the site. Subsoil should then be scarified to a depth of 10cm by backhoe.
- Naturalization areas where soil has not been preserved shall be dressed with topsoil to a depth of 20cm throughout the seed areas. Prior to soil placement, subsoil must be scarified to a depth of 10cm by backhoe.
- Imported soils are to be 50-60% sand, 20-40% silt, and 6-10% clay; organic matter 2-5% by dry weight; pH 6.0-7.8; phosphorus 10-60ppm; potassium 80-250 ppm; calcium <5000ppm; magnesium 100-300 ppm; soluble sal <1.5mmhos/cm; infiltration/permeability/hydraulic conductivity 50-75 mm/hr (at 85% Proctor density).
- Protected and retained soils are sandy in texture. These areas should be tested for fertility prior to planting and seeding. Measures should be addressed where existing soils fail to meet the standards described for imported soils.



Pinus strobus (White Pine) Prunus serotina (Black Cherry) Fagus americana (American Beech) Quercus rubra (Red Oak)



Diervilla lonicera (Bush Honeysuckle) Sambucus canadensis (Elderberry) Cornus racemosa (Grey Dogwood) Amelanchier laevis (Serviceberry)



Virginia Wild Rye (Elymus virginicus) Anemone canadensis (Canada Anemone) Symphyotrichum novae-angliae (New England Aster) Asclepias syriaca (Common Milkweed)

**NATURALIZATION PLANTING - MONITORING & MAINTENANCE**

- Initial Testing:  
Existing protected soils and any new imported soils are to be tested on site prior to planting and seeding. Samples should be collected from across the site and submitted to an accredited soil testing laboratory to determine soil texture, bulk density, organic matter content and soil pH.
- Initial Maintenance:  
Additives to the soil should be applied based on the recommendations of a soil testing laboratory agronomist prior to planting and seeding.  
Watering should be applied to all new plantings at the time of installation. New plantings should then be watered at a rate of 2.5cm per week between June to October of the first two years after installation if there has been no rain over >10mm in that period.  
Mulch is to be applied at the time of planting. Woodchips from tree that have been removed on site may be stockpiled and applied around all new tree plantings to a depth of 5cm and diameter of 1m.
- On-going Monitoring and Further Maintenance:  
Monitoring should be conducted to ensure new plantings are healthy. This monitoring can be done with site inspections and photography.  
Semi-annual inspections and photographs (June and October) should be conducted for the first 2 years to monitor growth and competition. Photographs should be taken from a pre-determined location consistent across time.  
Competition from annual and invasive species should be limited by hand pulling and the addition of mulch top-ups where new plantings are being shaded out. Supplementary planting may be added where there is considerable dieback. Where all individuals of a species are no longer present on the site alternatives should be considered to adapt to specific site conditions.

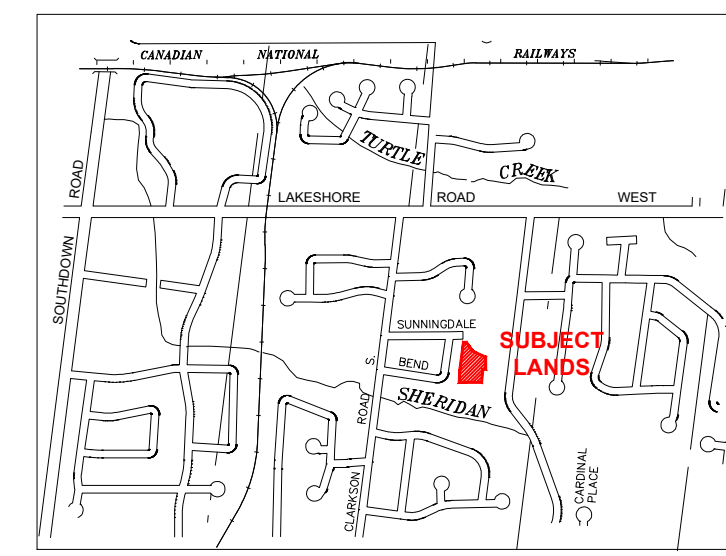


**COMPENSATION PLANTING**  
Compensation planting that is required is 387m<sup>2</sup>.  
Required plantings:  
- 387 shrubs  
- 46 trees  
New compensation areas are composed of two zones:  
1. New Naturalization Planting (186m<sup>2</sup>)  
- 186 shrubs, 22 trees.  
2. Living Fence Planting (130m<sup>2</sup>)  
- 130 shrubs, 16 trees.  
1. Planting in Easement (no trees permissible here)  
- 70 shrubs.

**NEW NATURALIZATION PLANTING**  
Area = 186m<sup>2</sup>  
Trees:  
Quercus rubra, 70cm cal. (5)  
Quercus macrocarpa, 200cm ht. (5)  
Prunus serotina, 200cm ht. (4)  
Ostrya virginiana, 45cm cal. (1)  
Shrubs:  
Amelanchier laevis, 100cm ht. (33)  
Cornus racemosa, 60cm ht. (50)  
Diervilla lonicera, 60cm ht. (50)  
Sambucus canadensis, 60cm ht. (33)  
Rhus typhina, 60cm ht. (20)

**PLANTING IN EASEMENT**  
Area = 70m<sup>2</sup>  
Shrubs:  
Diervilla lonicera, 60cm ht. (25)  
Amelanchier laevis, 100cm ht. (25)  
Rhus typhina, 60cm ht. (20)

**LIVING FENCE PLANTING**  
Area = 130m<sup>2</sup>  
Trees:  
Picea glauca 200cm ht. (6)  
Ostrya virginiana 200cm ht. (10)  
Shrubs:  
Ribes cynosbati 60cm ht. (45)  
Rubus allegheniensis 60cm ht. (40)  
Rubus occidentalis 60cm ht. (45)



- LEGEND**
- - - Property Line
  - Existing Tree to be Preserved Until Removal Assessment at Time of Lot Development
  - Proposed Shade Tolerant Whip Trees
  - Proposed Canopy Trees
  - - - Limit of Planting Typologies
  - Proposed Naturalized Seeding Area
  - Proposed Sod
  - Proposed Shrub Planting
  - - - Tree Protection Hoarding
  - - - Lot Lines
  - ☁ Existing Naturalization Planting
- Refer to Drawing TS-1 by Baker Turner Inc. for Existing Tree Assessment
- Note: All Drawings by Baker Turner Inc. to be Printed in Colour.

**REVISIONS**

DATE	DESCRIPTION
18 Jan 2024	Issued for Submission
12 July 2023	Issued for Submission
11 Apr 2023	Re-issued for Submission
04 Aug 2021	Re-issued for Submission
14 July 2021	Issued for Submission
09 Apr 2021	Issued for Coordination and Review
07 Dec 2020	Issued for Coordination and Review

NOTE: Contractor is to check and verify all dimensions and conditions on the project, and is to immediately report any discrepancies to the landscape architect before proceeding with the work.

**BTi**  
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**Project Title**  
Weldan Properties Inc  
1667 Sunningdale Bend  
Part of Lots 8, 9, & 10  
Mississauga, ON  
Landscape Concept & Woodland Creation Plan

Date	Issued
August 2019	
Job Number	Drawn By
BTI-1474	JW
Scale	Checked By
As shown	MT
Sheet Number	File Number
L1 of 1	FILE NO.

**LANDSCAPE CONCEPT AND WOODLAND CREATION PLAN**

1:400