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No.	Revision	Date	By
1	Issued for OPA/ZBA Submission	2025/04/02	RMS

LEGEND	
	PROPERTY LINE
	MTO 14m SETBACK
	EXISTING 254.64 FLOOD CONTOUR
	STAKED WETLAND
	EXISTING .25m CONTOURS
	PROPOSED 254.64 FLOOD CONTOUR
	PROPOSED .25m CONTOURS
	PROPOSED UPLAND SEED MIX
	PROPOSED WETLAND SEED MIX
	PROPOSED DECIDUOUS TREE
	PROPOSED CONIFEROUS TREE
	PROPOSED SHRUBS
	PLANT KEY

#### RESTORATION PLANT LIST

##### DECIDUOUS TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
AS50	4	Acer saccharinum	Silver Maple	50mm cal	W.B.	-
ASA50	1	Acer saccharum	Sugar Maple	50mm dia	W.B.	-
BA45	4	Betula alleghaniensis	Yellow Birch	45mm dia	W.B.	-
PB250	2	Populus balsamifera	Balsam Poplar	250cm ht	B.R.	-
QM60	4	Quercus macrocarpa	Burr Oak	60mm dia	W.B.	-
SN250	3	Salix nigra	Black Willow	250cm ht	W.B.	-

##### CONIFEROUS TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
TO120	13	Thuja occidentalis	Eastern White Cedar	120cm ht	W.B.	1-2m o/c

##### DECIDUOUS SHRUBS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
CA	29	Cornus alternifolia	Alternate Leafed Dogwood	80cm ht	3 gal pot	-
SC	24	Sambucus canadensis	Common Elderberry	80cm ht	3 gal pot	-
SA	26	Spiraea alba	Meadowsweet	40cm ht	2 gal pot	-
VL	31	Viburnum lentago	Nanny Berry	80cm ht	3 gal pot	-

#### RESTORATION SEED MIXES

##### TRCA WETLAND MIX (TRCA-SW-1)

Application rate: 21.39 Kg/ha  
Application method: Terraseeding

L-Rank	Scientific Name	Common Name	%
L3	Panicum virgatum	Switch grass	10.0%
L2	Sorghastrum nutans	Indian grass	5.0%
L4	Elymus riparius	Riverbank rye	20.0%
L5	Elymus virginicus	Virginia wild rye	20.0%
L5	Oenothera biennis	Evening primrose	3.0%
L4	Rudbeckia hirta	Black eyed Susan	5.0%
L4	Rudbeckia laciniata	Green coneflower*	3.0%
L5	Verbena hastata	Blue vervain	4.0%
L4	Asclepias incarnata	Swamp milkweed	3.0%
L3	Penstemon digitalis	Foxglove beardtongue	3.0%
L5	Carex bebbii	Bebb's sedge*	10.0%
L5	Eupatorium (Eutrochium) maculatum	Joe-pye weed	1.0%
L5	Eupatorium perfoliatum	Boneset	1.0%
L5	Carex vulpinoidea	Fox sedge	10.0%
L4	Juncus effusus	Soft rush	1.0%
L5	Juncus tenuis	Path rush	1.0%
Total			100.0%

\* If supply issues arise, replace these species with reasonable substitute from TRCA Seed Mix Guidelines Appendix C.

##### TRCA UPLAND MIX (TRCA-SD-3)

Application rate: 17.71 Kg/ha  
Application method: Terraseeding

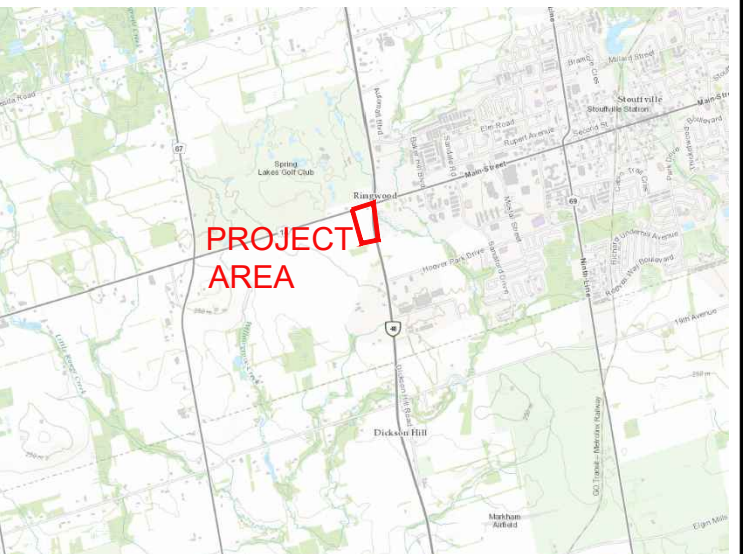
L-Rank	Scientific Name	Common Name	%
L3	Andropogon gerardii	Big bluestem	16.0%
L5	Asclepias syriaca	Common milkweed	2.0%
L5	Symphyotrichum novae-angliae	New England aster	1.0%
L5	Desmodium canadense	Showy tick-trefoil	2.0%
L4	Elymus canadensis	Canada wild rye	15.0%
L2	Helioopsis helianthoides	Oxeye	3.0%
L5	Monarda fistulosa	Wild bergamont	3.0%
L3	Panicum virgatum	Switch grass	15.0%
L3	Pycnanthemum virginianum	Virginia mountain mint*	2.0%
L4	Rudbeckia hirta	Black eyed Susan	3.0%
L2	Schizachyrium scoparium	Little blue stem	15.0%
L5	Solidago canadensis	Canada goldenrod	1.0%
L4	Solidago juncea	Early goldenrod*	1.0%
L2	Sorghastrum nutans	Indian grass	20.0%
L3	Symphyotrichum laeve	Smooth aster	1.0%
Total			100.0%

\* If supply issues arise, replace these species with reasonable substitute from TRCA Seed Mix Guidelines Appendix C.

##### COVER CROP

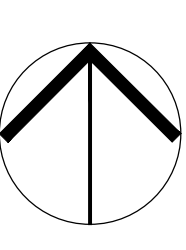
Application rate: 25 Kg/ha

Avena sativa	Common oats	100.0%
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#### KEY PLAN

N.T.S.



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Client:  
**TIMES GROUP CORP**

Project Name:  
**Highway 48 Wetland  
Stouffville, ON**

Drawing Title:  
**FLOOD STORAGE GRADING  
& RESTORATION PLAN**

Scale: 1:500	Project No.: 2020006	Drawing No.: <b>FSC-1</b>
Drawn: CT	Checked: RMS	
Date: April 2023	Plot Date: 05/05/2025	