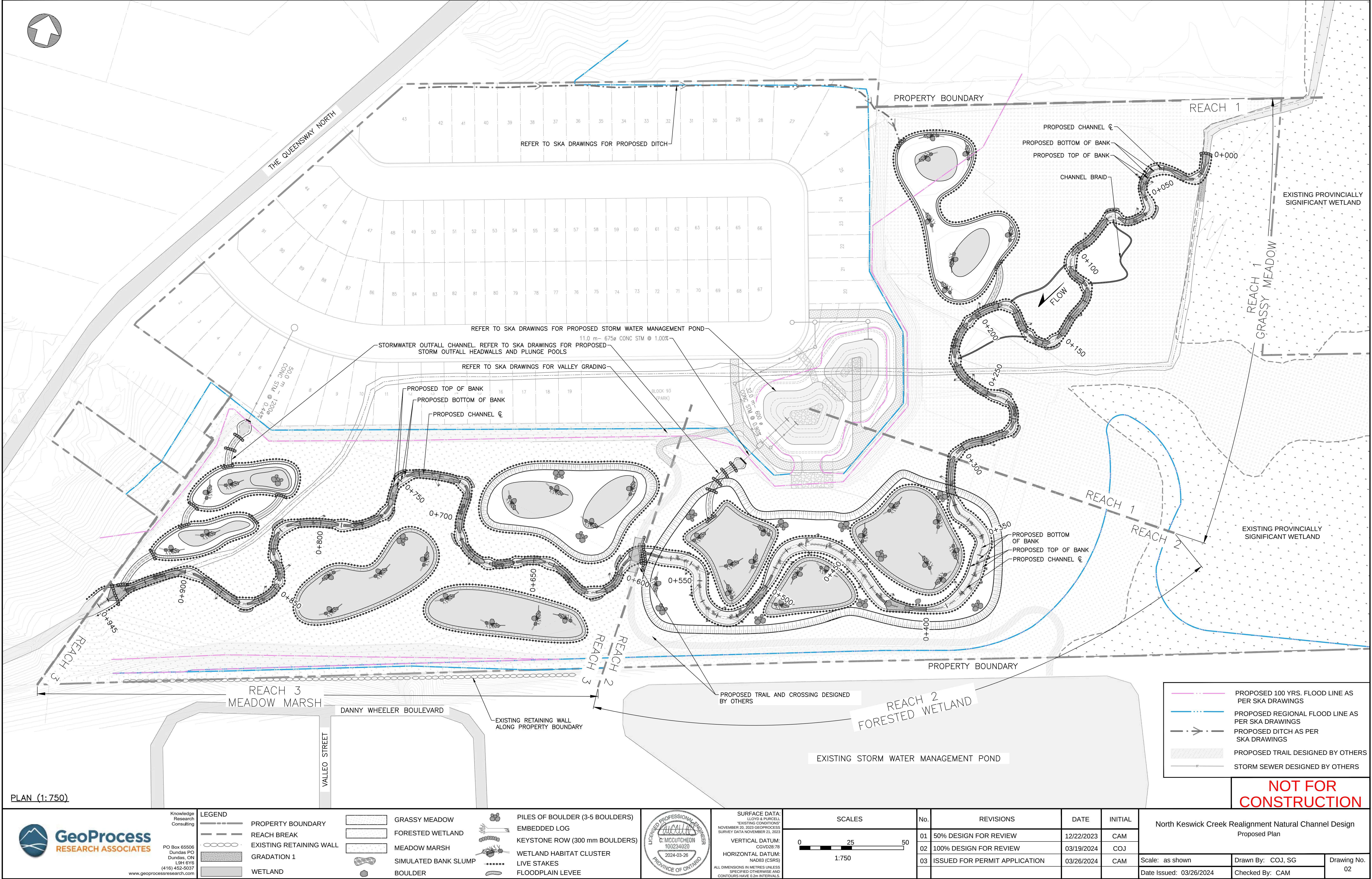


Mar 22 2024 16:39PM; Grid size:5.0, Base Surface:OG; Finish Surface:436-PG; Cut Factor:1.0; Fill Factor:1.0							
Area#	tot_Area	topsoil	cut	fill	net	stripping	pregrade
ID	m2	m3	m3	m3	m3	depth	depth
Lot5	14825.00	4447.500	0.000	49449.33	-49449.4	-0.3	-0.85
Roads6	1150.000	345.000	0.000	2826.650	-2826.6	-0.3	-0.95
Roads7	9400.000	2820.000	0.000	30381.64	-30381.6	-0.3	-0.65
Park8	1600.000	480.000	0.000	3683.041	-3683.0	-0.3	-0.85
Flood9	65175.00	19562.50	71623.14	33686.685	68256.5	-0.3	-0.3
PondAbove10	1900.000	570.000	3.383	2254.191	-2250.8	-0.3	-0.45
PondAbove11	1725.000	517.500	6.091	2337.549	-2331.5	-0.3	-0.45
PondAbove12	550.000	165.000	184.786	53.980	130.8	-0.3	0
PondAbove13	800.000	240.000	442.440	60.917	381.5	-0.3	0
WO1	4475.000	1342.500	0.000	13511.089	-13511.1	-0.3	-0.85
WO2	5150.000	1545.000	0.000	13259.14	-13259.1	-0.3	-0.85
WO3	5225.000	1567.500	0.000	8314.720	-8314.7	-0.3	0
WO4	3350.000	1005.000	6.322	5508.364	-5502.0	-0.3	0
Totals	115325	34597.5	72266.2	135007.4	-62741.2		

SKA **SABOURIN KIMBLE
& ASSOCIATES LTD.**
CONSULTING ENGINEERS

EW



PLANT LIST

DECIDUOUS TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
AR100	3	Acer rubrum	Red Maple	100cm ht	W.B.	-
AR125	23	Acer rubrum	Red Maple	125cm ht	2 gal pot	-
AS125	22	Acer saccharinum	Silver Maple	125mm ht	2 gal pot	-
AS50	6	Acer saccharinum	Silver Maple	50mm dia	W.B.	-
ASA100	10	Acer saccharum	Sugar Maple	100cm ht	W.B.	-
ASA125	14	Acer saccharum	Sugar Maple	125 cm ht	2 gal pot	-
ASA50	16	Acer saccharum	Sugar Maple	50mm dia	W.B.	-
CC100	9	Carya cordiformis	Bitternut Hickory	100cm ht	W.B.	-
CC125	9	Carya cordiformis	Bitternut Hickory	125cm ht	2 gal pot	-
CC50	20	Carya cordiformis	Bitternut Hickory	50mm dia	W.B.	-
CO100	5	Celtis occidentalis	Common Hackberry	100cm ht	2 gal pot	-
CO125	10	Celtis occidentalis	Common Hackberry	125cm ht	2 gal pot	-
CO50	19	Celtis occidentalis	Common Hackberry	50mm dia	2 gal pot	-
Fg100	20	Fagus grandifolia	American Beech	100cm ht	2 gal pot	-
GD50	10	Gymnocladus dioicus	Kentucky Coffee Tree	50mm dia	W.B.	-
OV50	5	Ostrya virginiana	Ironwood	50mm dia	2 gal pot	-
PSE100	5	Prunus serotina	Black Cherry	100cm ht	2 gal pot	-
PSE125	7	Prunus serotina	Black Cherry	125cm ht	2 gal pot	-
PSE200	3	Prunus serotina	Black Cherry	200cm ht	2 gal pot	-
PSE50	8	Prunus serotina	Black Cherry	50mm dia	2 gal pot	-
PT125	21	Populus tremuloides	Quaking Aspen	125cm ht	2 gal pot	-
PT50	6	Populus tremuloides	Quaking Aspen	50mm dia	W.B.	-
QB100	14	Quercus bicolor	Swamp White Oak	100cm ht	2 gal pot	-
QB125	1	Quercus bicolor	Swamp White Oak	125cm ht	2 gal pot	-
QB200	9	Quercus bicolor	Swamp White Oak	200cm ht	2 gal pot	-
QM100	6	Quercus macrocarpa	Burr Oak	100cm ht	W.B.	-
QM50	32	Quercus macrocarpa	Burr Oak	50mm dia	W.B.	-
SN125	16	Salix nigra	Black Willow	125cm ht	W.B.	-
TA100	7	Tilia americana	Basswood	100cm ht	W.B.	-
TA50	28	Tilia americana	Basswood	50mm dia	W.B.	-
UA100	5	Ulmus americana	American Elm	100cm ht	2 gal pot	-
UA50	12	Ulmus americana	American Elm	50mm dia	W.B.	-

CONIFEROUS TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
JV100	27	Juniperus virginiana	Eastern Red Cedar	100cm ht	F.P.	-
LL100	33	Larix laricina	Tamarack	100cm ht	B.B.	-
LL200	27	Larix laricina	Tamarack	200cm ht	B.B.	-
PG100	40	Picea glauca	White Spruce	200cm ht	B.B.	-
PS100	19	Pinus strobus	Eastern White Pine	100cm ht	B.B.	-
PS200	41	Pinus strobus	Eastern White Pine	200cm ht	B.B.	-
TO100	125	Thuja occidentalis	Eastern White Cedar	100cm ht	7 gal pot	-
TO200	82	Thuja occidentalis	Eastern White Cedar	200cm ht	7 gal pot	-

DECIDUOUS SHRUBS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
Ac	157	Anemone canadensis	Canada Anemone	45cm ht	30cm pot	-
Am	25	Aronia melanocarpa	Black Chokeberry	80cm ht	2 gal pot	-
Cr	150	Cornus racemosa	Gray Dogwood	60cm ht	3 gal pot	-
Cs	276	Cornus sericea	Red Osier Dogwood	100cm ht	2 gal pot	-
Iv	133	Ilex verticillata	Winterberry	50cm ht	CG / FP	-
Pv	134	Prunus virginiana	Common Chokecherry	100cm ht	2 gal pot	-
Ra	234	Ribes americanum	Wild Black Currant	50cm ht	2 gal pot	-
Rb	82	Rosa blanda	Smooth Wild Rose	50cm ht	2 gal pot	-
Rc	248	Rosa carolina	Pasture Rose	30cm ht	2 gal pot	-
Rt	183	Rhus typhina	Staghorn Sumac	50cm ht	B.R.	-
Sa	372	Spiraea alba	Meadowsweet	40cm ht	2 gal pot	-
Sal	44	Symphoricarpos albus	Snowberry	50cm ht	2 gal pot	-
Sb	190	Salix bebbiana	Bealied Willow	30cm ht	2 gal pot	-
Sc	244	Sambucus canadensis	American Elder	80cm ht	3 gal pot	-
Vi	136	Viburnum lentago	Nanny Berry	40mm dia	2 gal pot	-
Vl	163	Viburnum trilobum	Highbush Cranberry	60cm ht	3 gal pot	-

PERENNIALS & GRASSES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	REMARKS
ac	1928	Anemone canadensis	Canada Anemone	45cm ht	30cm pot	0.5m o/c
as	3044	Asclepias syriaca	Common milkweed	45cm ht	30cm pot	0.5m o/c
cv	1420	Carex vulpinoidea	Fox Sedge	45cm ht	30cm pot	0.5m o/c
ep	5736	Echinacea purpurea	Purple Coneflower	30cm ht	1 gal	0.4m o/c
ha	2928	Helenium autumnale	Common Sneezeweed	45cm ht	30cm pot	0.5m o/c
lc	4652	Lobelia cardinalis	Cardinal Flower	45cm ht	30cm pot	0.5m o/c
mf	3120	Monarda fistulosa	Wild Bergamot	45cm ht	30cm pot	0.5m o/c
pv	2527	Panicum virgatum	Switch Grass	100cm ht	1 gal	0.8m o/c
rh	6274	Rudbeckia hirta	Black Eyed Susan	10cm ht	pot	0.5m o/c
vh	836	Verbena hastata	Blue Vervain	45cm ht	30cm pot	0.5m o/c

SEED MIX S1:

Little Bluestem	<i>Andropogon scoparius</i>	20%
Smooth Blue Aster	<i>Aster laevis</i>	1%
Wild Bergamot	<i>Monarda fistulosa</i>	1%
New England Aster	<i>Aster novae - anglaie</i>	2%
Black Eyed Susan	<i>Rudbeckia hirta</i>	12%
Sand Dropseed	<i>Sporobolus cryptandrus</i>	20%
Canada Wild Rye	<i>Elymus canadensis</i>	20%
Canada Golden Rod	<i>Solidago canadensis</i>	4%
Indian Grass	<i>Sorghastrum nutans</i>	20%

Sowing Rate: 5kg (11lbs) Per Acre

Supplier: OSC / Pickseed Canada or approved equal

SEED MIX S2:

Butterfly Weed	<i>Aquilogia canadensis</i>	1%
Eastern Columbine	<i>Aster novae - anglaie</i>	1%
New England Aster	<i>Aster novae - anglaie</i>	2%
Showy Tick Trefoil	<i>Oenothera Lamarckiana</i>	5%
Sand Dropseed	<i>Sporobolus cryptandrus</i>	20%
Little Bluestem	<i>Andropogon scoparius</i>	20%
Canada Wild Rye	<i>Elymus canadensis</i>	20%
Black Eyed Susan	<i>Rudbeckia hirta</i>	12%
Wild Bergamot	<i>Monarda fistulosa</i>	1%
Evening Primrose	<i>Monarda fistulosa</i>	1%

Sowing Rate: 5kg (11lbs) Per Acre

Supplier: OSC / Pickseed Canada or approved equal

WETLAND MEADOW MIXTURE S3:

Aster Novae Angliae	<i>New England Aster</i>	1%
Aster Pilosus	<i>Heath Aster</i>	3%
Aster Prenanthoides	<i>Zig Zag Aster</i>	2%
Carex Lurida	<i>Lund Sedge</i>	5%
Carex Vulpinoidea	<i>Fox Sedge</i>	20%
Elymus Virginicus	<i>Virginia Wild Rye</i>	20%
Eupatorium Fistulosa	<i>Joe Pye Weed</i>	5%
Eupatorium Maculatum	<i>Spotted Joe Pye Weed</i>	5%
Eupatorium Perfoliatum	<i>Boneset</i>	5%
Euthamai Gramnifolia	<i>Grass Leaf Goldenrod</i>	5%
Glyceria Striata	<i>Fowl Mannagrass</i>	10%
Lobelia Siphillica	<i>Blue Lobelia</i>	1%
Verben Hastata	<i>Blue Vervain</i>	8%
Veronia Noveboracenis	<i>Iron Weed</i>	10%

Supplier: Pickseed Canada 1-800-661-4769 email@pickseed.com

Rate: Mixes are designed to be planted at 4.5 to 5.5kg (10-12 lbs) per acre or 250 grams (1/2 lb) per 1000 sq. ft.
Seed annual ryegrass as a nurse crop and for erosion control at 4.5kg (10 lbs) per acre.

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No.	Revision	Date	By
1	100% Design for Review	2024/03/25	CT

LEGEND

AR 125 DECIDUOUS TREES

CONIFEROUS TREES

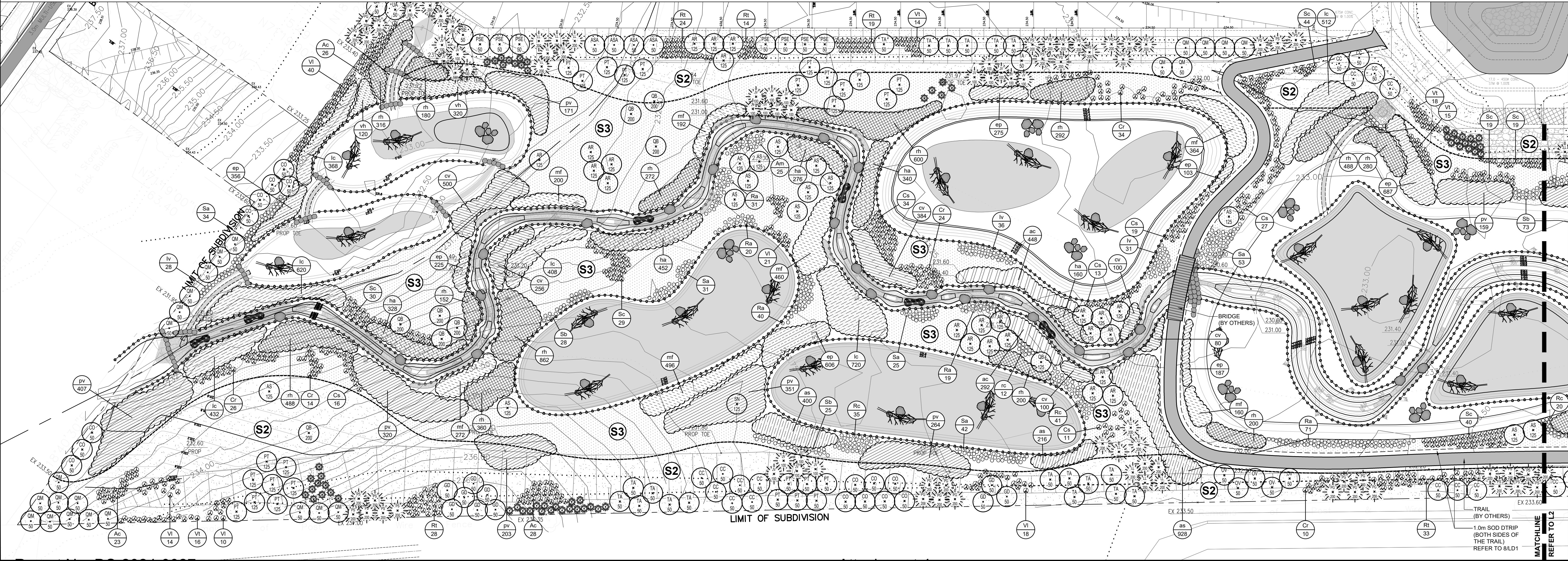
SHRUBS

PERENNIALS AND GRASSES

SEED MIX **S1**

SEED MIX **S2**

SEED MIX **S3**





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1	100% Design for Review	2024/03/25	CT

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Client:

Ballymore Homes

Project Name:

**North Keswick Creek
Realignment
Natural Channel Design**

Town of Georgina, Ontario

Drawing Title:

**RESTORATION
PLANTING PLAN**

Scale:	1:500	Project No.: 2023016	Drawing No.: L2
Drawn:	SR	Checked: CT / RMS	
Date:	March 2024	Plot Date: 25/03/2024	