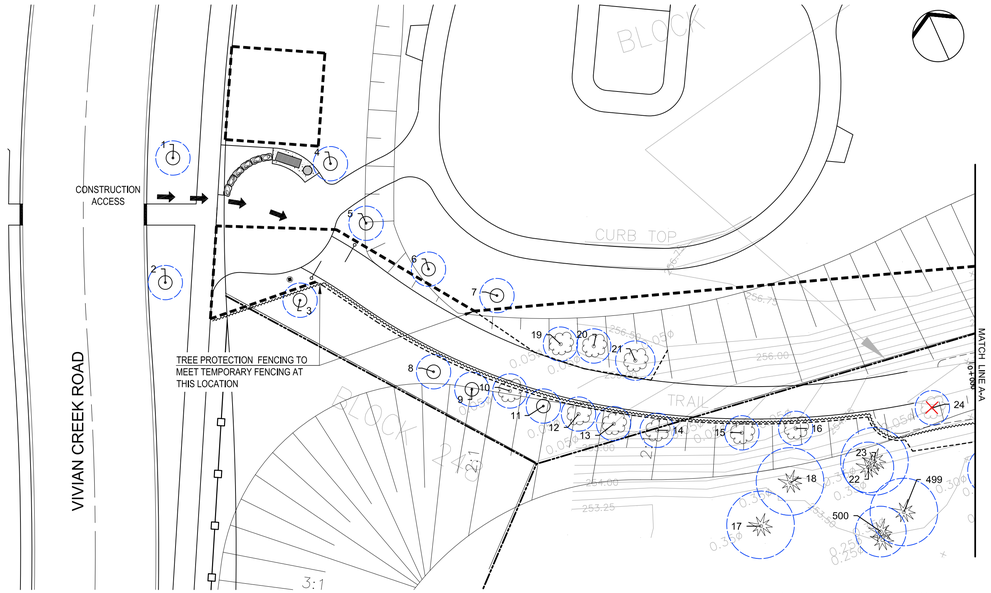
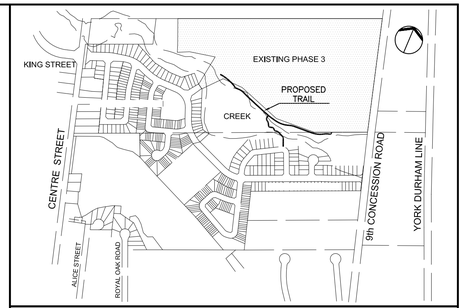
MT. ALBERT TRAIL

1 - PATH 'A' TREE INVENTORY



0 2 5 10 1:200

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
1	Honey-locust	Gleditsia triacanthos	1.2	6	Good	Minor amount of small diameter deadwood present.	Preserve
2	Honey-locust	Gleditsia triacanthos	1.2	5.5	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
3	Freeman Maple	Acer x freemanii	1.2	5	Good	Botanically in good condition.	Preserve
4	Freeman Maple	Acer x freemanii	1.2	5	Good	Botanically in good condition.	Preserve
5	Red Oak	Quercus rubra	1.2	6	Good-Fair	Leader is dead.	Preserve
6	Red Oak	Quercus rubra	1.2	5.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
7	Balsam Fir	Abies balsamea	1.2	4	Good	Botanically in good condition.	Preserve
8	Little Leaf Linden	Tilia cordata	1.2	3	Good	Botanically in good condition.	Preserve
9	Little Leaf Linden	Tilia cordata	1.2	3	Good-Fair	Minor amount of small diameter deadwood present. Suckering.	Preserve
10	Basswood	Tilia americana	1.2	4	Good	Botanically in good condition.	Preserve
11	Basswood	Tilia americana	1.2	3.5	Fair	Moderate amount of small diameter deadwood present.	Preserve
12	Basswood	Tilia americana	1.2	3	Fair	Moderate amount of small diameter deadwood present. Suckering.	Preserve
13	Basswood	Tilia americana	1.2	3	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
14	Basswood	Tilia americana	1.2	3.5	Fair	Leader dead.	Preserve
15	Basswood	Tilia americana	1.2	2.5	Fair	Leader dead.	Preserve
16	Basswood	Tilia americana	1.2	3.5	Fair	Leader dead.	Preserve
17	White Cedar	Thuja occidentalis	2.4	30.5	Fair- Poor	Old torn limb wounded. Moderate amount of small diameter deadwood present.	Preserve
18	White Cedar	Thuja occidentalis	2.4	30.5	Fair	Codominant stems. Moderate amount of small diameter deadwood present.	Preserve
19	Basswood	Tilia americana	1.2	3	Fair-Poor	Leader is dead.	Preserve
20	Basswood	Tilia americana	1.2	3.5	Fair	Leader is dead.	Preserve
21	Basswood	Tilia americana	1.2	2.5	Poor	Leader is dead.	Preserve
22	White Cedar	Thuja occidentalis	1.8	28	Poor	Asymmetrical crown. Codominant stems. Moderate amount of small diameter deadwood present. Trunk lean.	Preserve
23	White Cedar	Thuja occidentalis	2.4	32.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
24	Basswood	Tilia americana	1.2	4	Fair	Leader is dead.	Remove
499	White Cedar	Thuja occidentalis	2.4	11, 31, 29.5, 23.5	Fair	Moderate trunk lean. Asymmetrical crown.	Preserve
500	White Cedar	Thuja occidentalis	1.8	27.5	Fair	Moderate trunk lean. Asymmetrical crown.	Preserve
25	Basswood	Tilia americana	1.2	3	Poor	Nearly dead.	Remove
26	White Cedar	Thuja occidentalis	1.8	21	Poor	Nearly dead.	Remove
27	White Cedar	Thuja occidentalis	1.8	29	Good-Fair	Minor amount of small diameter deadwood present.	Remove
28	White Cedar	Thuja occidentalis	1.8	20	Fair	Moderate amount of small diameter deadwood present.	Remove
29	White Cedar	Thuja occidentalis	1.8	19	Poor	Moderate amount of small diameter deadwood present.	Remove
30	White Cedar	Thuja occidentalis	1.8	24	Fair	Moderate amount of small diameter deadwood present.	Remove
31	White Cedar	Thuja occidentalis	2.4	31	Good-Fair	Asymmetrical crown due to shading by adjacent trees.	Remove
32	Manitoba Maple	Acer negundo	2.4	25	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
33	Manitoba Maple	Acer negundo	2.4	38.5	Fair	Fallen. Horizontal trunk.	Remove
34	White Cedar	Thuja occidentalis	2.4	30.5, 23	Fair	Trunk lean. Moderate amount of small diameter deadwood present.	Remove
35	Ash	Fraxinus spp.	1.8	27	Poor	In decline.	Remove



KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

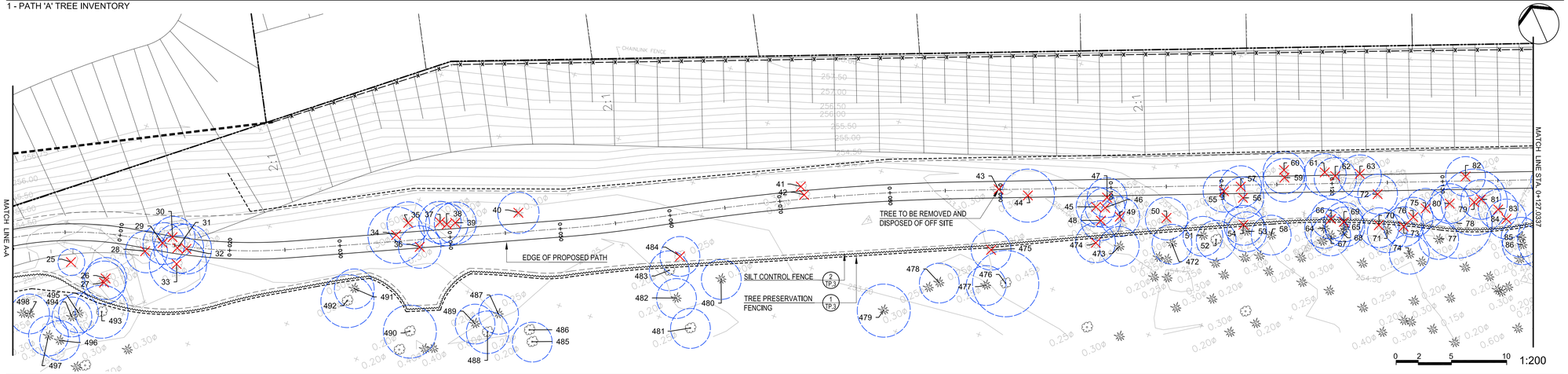
LEGEND:

- EXISTING TREES
- LIMIT OF GRADING
- TEMPORARY FENCING
- SILT CONTROL FENCING
- TREE PRESERVATION FENCING
- EXISTING TREES NOT ON SURVEY
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION ZONE

NOTES:

-TREES APPROVED FOR REMOVAL MUST CLEARLY BE MARKED WITH A LETTER "R" USING ORANGE OR RED HIGH VISIBILITY SPRAY PAINT AT BREAST HEIGHT (1.4 M) AND AT THE BASE OF THE STEM (STUMP HEIGHT), PER YORK REGION'S STREET TREE AND FOREST PRESERVATION GUIDELINES (2016);
-TREE REMOVALS SHOULD OCCUR OUTSIDE OF APRIL 1 TO OCTOBER 1 SO AS NOT TO CONTRAVENE WITH THE BAT MATERNITY ROOSTING WINDOW AND MIGRATORY BIRD WINDOW (APRIL 1-OCTOBER 1);
-ANY NOT-NATURAL (HUMAN MADE) WASTE SHOULD BE REMOVED FROM THE SITE BEFORE SITE ALTERATION OCCURS;
-IF POSSIBLE, STUMPS AND ROOTS WITHIN THE 4 M TRANSITION ZONE SHOULD NOT BE GRUBBED TO ALLOW FOR NATURAL GROUNDCOVER REGENERATION FROM THE UNDISTURBED SEEDBACK;
-STRUCTURALLY SOUND TREE TRUNKS WITHIN THE 4 M TRANSITION ZONE SHOULD BE RETAINED TO PROVIDE ADDITIONAL WILDLIFE HABITAT FOR TERRESTRIAL SPECIES (E.G., BATS, INSECTS, BIRDS);
-TREE PROTECTION AND ESC MEASURES SHOULD BE INSTALLED PRIOR TO REMOVALS OF ANY PLANT MATERIALS. THESE MITIGATION MEASURES SHOULD BE INSPECTED ON A REGULAR BASIS TO ENSURE THEY ARE FUNCTIONING AS DESIGNED; AND
-A SPILL PREVENTION PLAN SHOULD BE IN PLACE PRIOR TO SITE ALTERATION TO MITIGATE AGAINST NEGATIVE IMPACTS TO RETAINED ECOLOGICAL FEATURES AND FUNCTIONS.

1 - PATH 'A' TREE INVENTORY



0 2 5 10 1:200

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
36	White Cedar	Thuja occidentalis	1.8	24.5	Fair	Moderate amount of small diameter deadwood present.	Remove
37	White Cedar	Thuja occidentalis	1.8	23.5, 16	Fair	Moderate amount of small diameter deadwood present.	Remove
38	White Cedar	Thuja occidentalis	1.8	25	Fair	Moderate amount of small diameter deadwood present. Trunk lean.	Remove
39	White Cedar	Thuja occidentalis	1.8	20.5, 16.5	Fair	Moderate amount of small diameter deadwood present. Codominant stems.	Remove
40	White Cedar	Thuja occidentalis	1.8	14.5,28, 24	Poor	Moderate amount of small diameter deadwood present.	Remove
41	Silver Birch	Betula pendula		24,26		Dead.	Remove
42	White Cedar	Thuja occidentalis		22		Dead.	Remove
43	Unidentifiable			30		Dead.	Remove
44	White Cedar	Thuja occidentalis	2.4	30	Good-Fair	Minor to Moderate amount of small diameter deadwood present.	Remove
45	White Cedar	Thuja occidentalis	1.8	17	Poor	Nearly dead.	Remove
46	White Cedar	Thuja occidentalis	1.8	20	Fair	Shaded. Moderate amount of small diameter deadwood present.	Remove
47	White Cedar	Thuja occidentalis	1.8	19	Fair	Moderate amount of small diameter deadwood present.	Remove
48	White Cedar	Thuja occidentalis	1.8	27	Fair	Moderate amount of small diameter deadwood present. Codominant stems. Moderate amount of deadwood present.	Remove
49	White Cedar	Thuja occidentalis	1.8	27,26	Fair	Moderate amount of deadwood present.	Remove
50	White Cedar	Thuja occidentalis	1.8	17,24.5	Fair	Asymmetrical crown. Moderate amount of deadwood.	Remove
51	White Cedar	Thuja occidentalis	1.8	27.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
52	White Cedar	Thuja occidentalis	1.8	28.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
53	White Cedar	Thuja occidentalis	1.8	19.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
54	White Cedar	Thuja occidentalis	1.8	23	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
55	White Cedar	Thuja occidentalis	1.8	19.5	Fair	Moderate amount of small diameter deadwood present.	Remove
56	White Cedar	Thuja occidentalis	1.8	17.5	Fair	Moderate amount of small diameter deadwood present.	Remove
57	White Cedar	Thuja occidentalis	1.8	19.5	Fair	Moderate amount of small diameter deadwood present.	Remove
58	White Cedar	Thuja occidentalis	1.8	20,19.5	Fair	Moderate amount of small diameter deadwood present.	Preserve
59	White Cedar	Thuja occidentalis	1.8	33.5	Fair	Moderate amount of small diameter deadwood present.	Remove
60	Unidentifiable			23.5		Dead.	Remove
61	White Cedar	Thuja occidentalis		24		Dead.	Remove
62	White Cedar	Thuja occidentalis	1.8	17,23	Fair-Poor	Moderate to significant amount of deadwood present.	Remove

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
63	White Cedar	Thuja occidentalis	1.8	26	Fair	Minor-moderate amount of small diameter deadwood present.	Remove
64	White Cedar	Thuja occidentalis	1.8	26	Fair	Minor-moderate amount of small diameter deadwood present.	Preserve
65	White Cedar	Thuja occidentalis	1.8	19	Fair	Minor-moderate amount of small diameter deadwood present.	Preserve
66	White Cedar	Thuja occidentalis	1.8	26	Fair	Minor-moderate amount of small diameter deadwood present.	Remove
67	White Cedar	Thuja occidentalis	1.8	17.5	Fair	Minor-moderate amount of small diameter deadwood present.	Preserve
68	White Cedar	Thuja occidentalis	1.8	20	Fair	Minor-moderate amount of small diameter deadwood present.	Preserve
69	White Cedar	Thuja occidentalis	1.8	15	Fair	Minor-moderate amount of small diameter deadwood present.	Remove
70	White Cedar	Thuja occidentalis	1.8	15	Fair	Minor-moderate amount of small diameter deadwood present.	Remove
71	White Cedar	Thuja occidentalis	1.8	16.5	Fair	Minor-moderate amount of small diameter deadwood present.	Preserve
72	White Cedar	Thuja occidentalis	1.8	17.5	Fair	Minor-moderate amount of small diameter deadwood present.	Remove
73	White Cedar	Thuja occidentalis	1.8	16		Minor-moderate amount of small diameter deadwood present.	Remove
74	White Cedar	Thuja occidentalis	1.8	19	Good-Fair	Botanically in good condition.	Preserve
75	White Cedar	Thuja occidentalis	1.8	19	Good	Minor-moderate amount of small diameter deadwood present.	Remove
76	Unidentifiable	Thuja occidentalis		23.5		Dead.	Remove
77	White Cedar	Thuja occidentalis	1.8	26, 15, 24.5, 17.5	Fair	Moderate amount of deadwood.	Preserve
78	White Cedar	Thuja occidentalis	1.8	18	Good-Fair	Minor-moderate amount of small diameter deadwood present.	Remove
79	White Elm	Ulmus americana	3	41.5	Good-Fair	Moderate amount of trunk lean. Minor amounts of deadwood present.	Remove
80	White Cedar	Thuja occidentalis	1.8	19.5	Fair	Codominant stems.	Remove
81	White Cedar	Thuja occidentalis	1.8	20.5	Fair	Moderate amount of small diameter deadwood present.	Remove
82	White Elm	Ulmus americana	1.8	19	Fair	Asymmetrical crown.	Remove
83	White Cedar	Thuja occidentalis	1.8	20	Fair	Moderate amount of small diameter deadwood present.	Remove
84	White Cedar	Thuja occidentalis	1.8	29.5, 16.5	Good-Fair	Minor amount of small diameter deadwood present.	Remove
85	White Cedar	Thuja occidentalis	1.8	13.5	Fair	Moderate amount of small diameter deadwood present.	Preserve
86	White Cedar	Thuja occidentalis	1.8	25, 25	Good-Fair	Minor -Moderate amount of small diameter deadwood present.	Preserve

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
472	White Cedar	Thuja occidentalis	1.8	17	Fair-Poor	Moderate amount of deadwood present.	Preserve
473	White Cedar	Thuja occidentalis	1.8	22	Fair	Moderate amount of deadwood present.	Preserve
474	White Cedar	Thuja occidentalis	1.8	19	Fair	Moderate amount of deadwood present.	Remove
475	White Cedar	Thuja occidentalis	1.8	17.5, 13, 12, 10, 8	Fair-Poor	Moderate amount of deadwood present. Tree has fallen over.	Remove
476	Poplar (Cottonwood)	Populus	3	46	Fair	Moderate amount of deadwood present.	Preserve
477	White Cedar	Thuja occidentalis	1.8	22.5	Fair	Moderate amount of deadwood present.	Preserve
478	White Cedar	Thuja occidentalis	1.8	19.5	Fair	Trunk Lean	Preserve
479	Unidentifiable			34		Dead.	Preserve
480	White Cedar	Thuja occidentalis	1.8	12.5	Fair	Asymmetrical crown. Moderate amount of deadwood present.	Preserve
481	Ash	Fraxinus spp.	1.8	16.5	Fair-Poor	Nearly dead.	Preserve
482	White Cedar	Thuja occidentalis	1.8	11.5	Fair	Sparse crown.	Preserve
483	Ash	Fraxinus spp.	1.8	15	Poor	Nearly dead.	Preserve
484	Ash	Fraxinus spp.	1.8	17	Poor	Nearly dead.	Remove
485	Ash	Fraxinus spp.	1.8	11.5	Poor	Nearly dead.	Preserve
486	Ash	Fraxinus spp.		17		Dead.	Preserve
487	White Cedar	Thuja occidentalis	1.8	20	Fair	Moderate amount of deadwood present.	Preserve
488	White Birch	Betula papyrifera	3	46	Fair-Poor	Significant amount of deadwood present.	Preserve
489	Balsam Fir	Abies balsamea	1.8	16.5	Good	Botanically in good condition.	Preserve
490	White Pine	Pinus strobus	2.4	37	Fair-Poor	Moderate amount of deadwood present.	Preserve
491	White Cedar	Thuja occidentalis	1.8	28	Good-Fair	Minor amount of deadwood present.	Preserve
492	White Birch	Betula papyrifera	2.4	36	Good-Fair	Minor amount of deadwood present.	Preserve
493	White Birch	Betula papyrifera	2.4	36	Fair-Poor	Cavities on main trunk. Numerous dead branches.	Preserve
494	White Birch	Betula papyrifera	1.8	27.5	Fair	Shaded by adjacent trees. Moderate amount of deadwood present.	Preserve
495	White Cedar	Thuja occidentalis	1.8	20	Fair	Significant trunk lean. Moderate amount of deadwood present.	Preserve
496	White Cedar	Thuja occidentalis	1.8	25	Fair	Moderate amount of deadwood present.	Preserve
497	White Cedar	Thuja occidentalis	1.8	22	Poor	Nearly dead.	Preserve
498	White Cedar	Thuja occidentalis	1.8	25,20	Fair-Poor	Moderate amount of deadwood present. Torn limb in crown.	Preserve

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY

SIGNATURE_____

No.	Date	Revision	By	Ck.
3.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G.
2.	21-JAN-21	ISSUED FOR REVIEW	E.D.	M.G.
1.	07-NOV-19	ISSUED FOR REVIEW	E.D.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel#: (905)889-8100 Fax: (905)889-6616

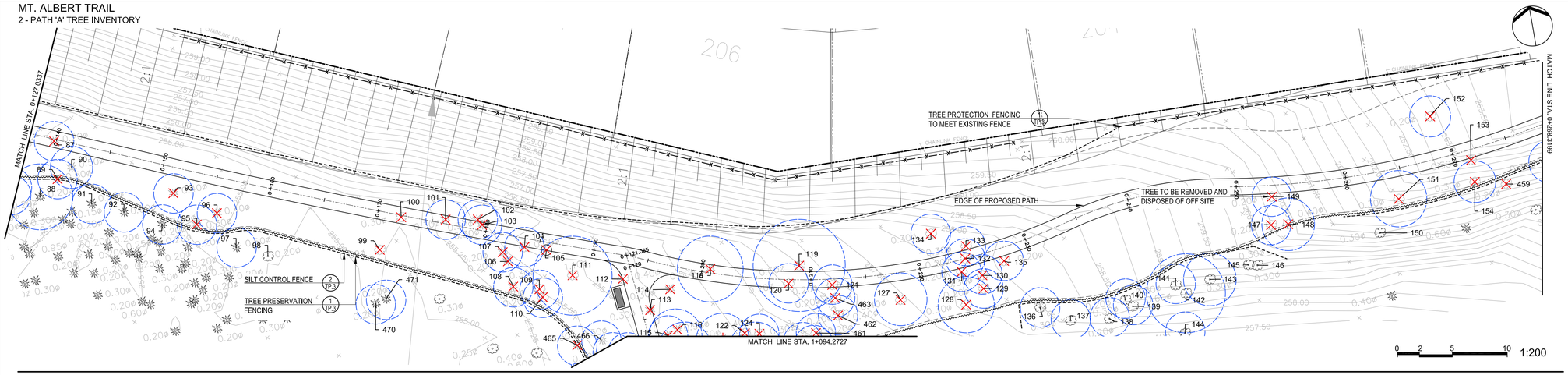
TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

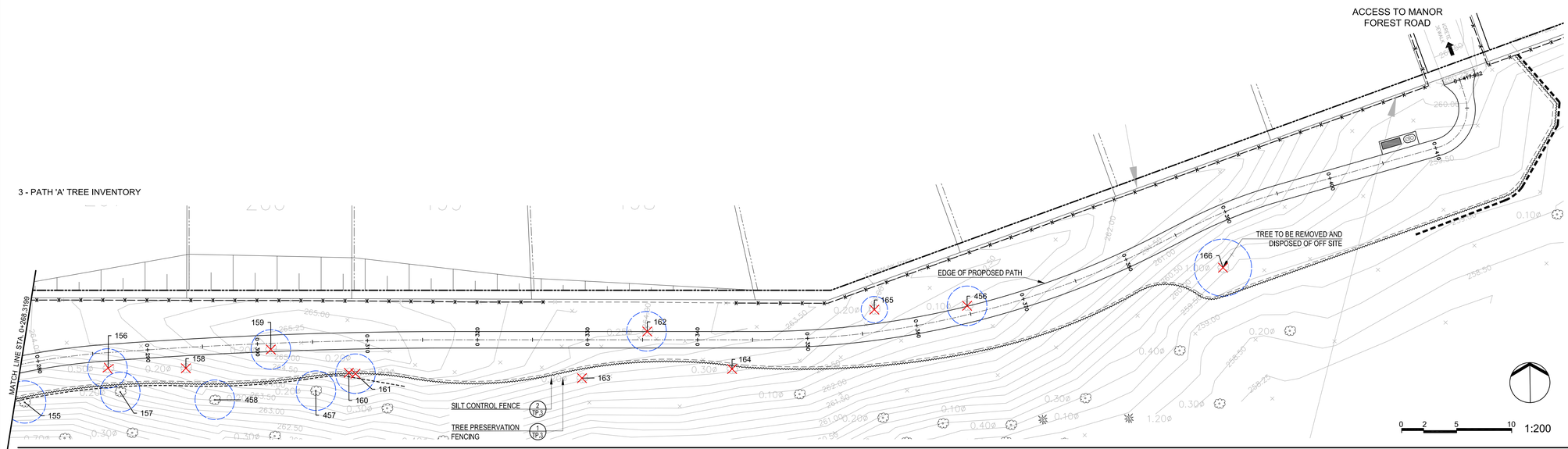
TREE PRESERVATION PLAN

Drawn By	E.D.	Checked By	M.G	Registered Plan	
				Project No. 01-36D	Sheet No. TP.1
Scale	AS SHOWN	Date Issued	OCT 2019		

MT. ALBERT TRAIL
2 - PATH 'A' TREE INVENTORY



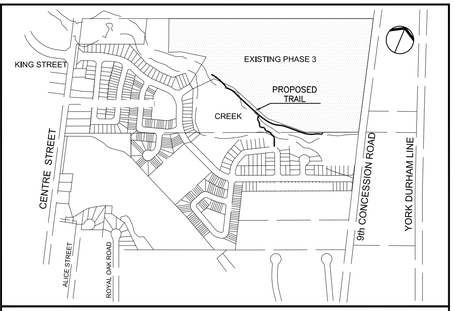
3 - PATH 'A' TREE INVENTORY



TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
87	White Cedar	Thuja occidentalis	1.8	20.5	Fair	Significant trunk lean.	Remove
88	White Elm	Ulmus americana	3	40	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
89	Ash	Fraxinus spp.		17.5		Dead.	Remove
90	White Cedar	Thuja occidentalis	1.8	26, 23	Good	Botanically in good condition.	Remove
91	Ash	Fraxinus spp.		23		Dead.	Preserve
92	White Cedar	Thuja occidentalis	1.8	26.5, 30.5	Good	Botanically in good condition.	Preserve
93	White Cedar	Thuja occidentalis	1.8	26.5	Good-Fair	Significant trunk lean.	Remove
94	White Cedar	Thuja occidentalis	1.8	24	Fair	Moderate amount of small diameter deadwood present. Codominant stems.	Preserve
95	White Cedar	Thuja occidentalis	1.8	26	Fair	Trunk lean. Moderate amount of small diameter deadwood present.	Remove
96	White Cedar	Thuja occidentalis	1.8	27	Poor	Fallen.	Remove
97	White Cedar	Thuja occidentalis	1.8	23.5, 29	Good-Fair	Codominant stems. Moderate amount of small diameter deadwood present.	Preserve
98	Unidentifiable			19.5		Dead.	Preserve
99	Ash	Fraxinus spp.		20		Dead.	Remove
100	Ash	Fraxinus spp.		18,12.5		Dead.	Remove
101	White Cedar	Thuja occidentalis	1.8	18,22	Fair	Significant trunk lean. Fallen.	Remove
102	White Cedar	Thuja occidentalis	1.8	21.5	Fair	Moderate amount of small diameter deadwood present.	Remove
103	White Cedar	Thuja occidentalis	1.8	27	Fair	Codominant stem. Moderate amount of small diameter deadwood present.	Remove
104	White Cedar	Thuja occidentalis	1.8	19.5		Dead.	Remove
105	Unidentifiable			28		Dead.	Remove
106	Unidentifiable			16		Dead.	Remove
107	Unidentifiable			13	Good-Fair	Minor amount of small diameter deadwood present.	Remove
108	White Cedar	Thuja occidentalis	1.8	26	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
109	White Cedar	Thuja occidentalis	1.8	15,20	Good	Minor amount of small diameter deadwood present.	Preserve
110	White Cedar	Thuja occidentalis	1.8	16.5	Good	Minor amount of small diameter deadwood present.	Preserve
111	White Elm	Ulmus americana	3.6	57	Good-Fair	Codominant stems. Minor amount of small diameter deadwood present.	Remove
112	Ash	Fraxinus spp.		33		Dead.	Remove
113	Ash	Fraxinus spp.		22		Dead.	Remove
114	Ash	Fraxinus spp.		21		Dead.	Remove
115	Ash	Fraxinus spp.	1.8	20.5	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
116	White Cedar	Thuja occidentalis	2.4	34, 30, 15	Good-Fair	One trunk fallen.	Remove

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
118	White Cedar	Thuja occidentalis	3	41	Good-Fair	Minor to Moderate amount of small diameter deadwood present. Included bark at main stem union.	Remove
119	Black Cherry	Prunus serotina	4.2	61.5, 38.5	Good-Fair	Minor amount of small diameter deadwood present. Broad crown. One medium stem dead.	Remove
120	White Elm	Ulmus americana	1.8	21.5	Good	Botanically in good condition.	Remove
121	Manitoba Maple	Acer negundo	1.8	17	Good	Botanically in good condition.	Remove
122	Ash	Fraxinus spp.		30.5		Dead.	Remove
124	Ash	Fraxinus spp.	1.8	21.5	Poor	In decline.	Remove
127	Manitoba Maple	Acer negundo	2.4	32	Good	Trunk lean. Minor amount of small diameter deadwood present.	Remove
128	Manitoba Maple	Acer negundo	2.4	33.5	Good	Trunk lean. Minor amount of small diameter deadwood present.	Remove
129	Manitoba Maple	Acer negundo	1.8	17.5	Good	Trunk lean. Minor amount of small diameter deadwood present.	Remove
130	Manitoba Maple	Acer negundo	1.8	24	Good	Botanically in good condition.	Remove
131	Manitoba Maple	Acer negundo	1.8	17.5	Good	Minor amount of small diameter deadwood present.	Remove
132	Manitoba Maple	Acer negundo	1.8	16	Good	Botanically in good condition.	Remove
133	Manitoba Maple	Acer negundo	1.8	26.5	Good	Curve in trunk. Suckering.	Remove
134	Manitoba Maple	Acer negundo	1.8	23	Good-Fair	Curve in trunk. Suckering.	Remove
135	Manitoba Maple	Acer negundo	1.8	22.5	Good-Fair	Botanically in good condition. Minor curve in trunk.	Remove
136	Manitoba Maple	Acer negundo	1.8	16	Fair	Moderate amount of small diameter deadwood present. One stem broken.	Preserve
137	Black Cherry	Prunus serotina	1.8	18.5	Good-Fair	Minor amount of small daimeter deadwood present.	Preserve
138	Black Cherry	Prunus serotina	1.8	14.5	Good	Botanically in good condition.	Preserve
139	Black Cherry	Prunus serotina	1.8	23	Good-Fair	Trunk lean. Minor amount of small diameter deadwood present.	Preserve
140	Manitoba Maple	Acer negundo	1.8	17	Fair	Trunk lean.	Preserve
141	Ash	Fraxinus spp.	1.8	28.5	Poor	In decline.	Preserve
142	Manitoba Maple	Acer negundo	3.6	52	Good-Fair	Minor amount of small daimeter deadwood present.	Preserve
143	Ash	Fraxinus spp.	2.4	31	Poor	In decline.	Preserve
144	Manitoba Maple	Acer negundo	1.8	27	Good-Fair	Minor amount of deadwood present.	Preserve
145	Ash	Fraxinus spp.		23		Dead.	Preserve
146	Ash	Fraxinus spp.		29.5		Dead.	Preserve
147	Ash	Fraxinus spp.	1.8	15.5	Fair	Significant trunk lean.	Remove
148	Manitoba Maple	Acer negundo	2.4	17, 33.5	Fair	Trunk lean.	Remove
149	Basswood	Tilia americana	1.8	12	Good-Fair	Minor-moderate amount of small diameter deadwood present.	Remove
150	Ash	Fraxinus spp.		26		Dead.	Preserve
151	Manitoba Maple	Acer negundo	2.4	34	Poor	Nearly dead.	Remove
152	White Birch	Betula papyrifera	1.8	14.5	Good	Botanically in good condition.	Remove
153	Unidentifiable			35		Dead.	Remove
154	Manitoba Maple	Acer negundo	1.8	21.5	Fair	Moderate amount of small diameter deadwood present.	Remove

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
155	White Elm	Ulmus americana	1.8	14, 25	Fair	Moderate amount of small diameter deadwood present.	Preserve
156	Basswood	Tilia americana	3	42	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
157	Manitoba Maple	Acer negundo	1.8	22	Fair-Poor	Trunk lean. Bark shedding on main trunk.	Remove
158	Ash	Fraxinus spp.		22		Dead.	Remove
159	Basswood	Tilia americana	1.8	18.5	Good-Fair	Minor amount of deadwood present.	Remove
160	Ash	Fraxinus spp.		15.5		Dead.	Remove
161	Basswood	Tilia americana	1.8	14.5	Poor	Moderate amount of small diameter deadwood present.	Remove
162	Manitoba Maple	Acer negundo	1.8	18	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
163	Unidentifiable			12		Dead.	Remove
164	Ash	Fraxinus spp.		23		Dead.	Remove
165	Buckthorn	Rhamnus cathartica	1.2	10	Good	Botanically in good condition.	Remove
166	Manitoba Maple	Acer negundo	2.4	17, 31, 37, 25, 32, 15, 40	Fair	Several stems torn. Damaged trunk.	Remove
457	Ash	Fraxinus spp.	1.8	15	Fair	Moderate amount of deadwood present.	Preserve
458	Manitoba Maple	Acer negundo	1.8	29	Fair	Significant trunk lean. Moderate amount of deadwood present.	Preserve
461	Ash	Fraxinus spp.	1.8	10	Poor	Nearly dead.	Remove
462	Poplar	Populus spp.	1.8	15	Good	Botanically in good condition.	Remove
463	Ash	Fraxinus spp.	1.8	12	Poor	Significant trunk lean	Remove
465	White Cedar	Thuja occidentalis	1.8	15, 20	Fair	Split on trunk. Moderate amount of deadwood present.	Remove
466	White Cedar	Thuja occidentalis	1.8	20	Fair	Split on trunk. Moderate amount of deadwood present.	Remove
470	White Elm	Ulmus americana	1.8	25	Good-Fair	Codominant stems.	Preserve
471	Ash	Fraxinus spp.	1.8	17	Fair	Moderate to significant amount of deadwood present.	Preserve



KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

LEGEND:

- EXISTING TREES
- LIMIT OF GRADING
- TEMPORARY FENCING
- SILT CONTROL FENCING
- TREE PRESERVATION FENCING
- EXISTING TREES NOT ON SURVEY
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION ZONE

NOTES:

-TREES APPROVED FOR REMOVAL MUST CLEARLY BE MARKED WITH A LETTER "R" USING ORANGE OR RED HIGH VISIBILITY SPRAY PAINT AT BREAST HEIGHT (1.4 M) AND AT THE BASE OF THE STEM (STUMP HEIGHT), PER YORK REGION'S STREET TREE AND FOREST PRESERVATION GUIDELINES (2016);
-TREE REMOVALS SHOULD OCCUR OUTSIDE OF APRIL 1 TO OCTOBER 1 SO AS NOT TO CONTRAVENE WITH THE BAT MATERNITY ROOSTING WINDOW AND MIGRATORY BIRD WINDOW (APRIL 1-OCTOBER 1);
-ANY NOT-NATURAL (HUMAN MADE) WASTE SHOULD BE REMOVED FROM THE SITE BEFORE SITE ALTERATION OCCURS;
-IF POSSIBLE, STUMPS AND ROOTS WITHIN THE 4 M TRANSITION ZONE SHOULD NOT BE GRUBBED TO ALLOW FOR NATURAL GROUNDCOVER REGENERATION FROM THE UNDISTURBED SEEDBACK;
-STRUCTURALLY SOUND TREE TRUNKS WITHIN THE 4 M TRANSITION ZONE SHOULD BE RETAINED TO PROVIDE ADDITIONAL WILDLIFE HABITAT FOR TERRESTRIAL SPECIES (E.G., BATS, INSECTS, BIRDS);
-TREE PROTECTION AND ESC MEASURES SHOULD BE INSTALLED PRIOR TO REMOVALS OF ANY PLANT MATERIALS. THESE MITIGATION MEASURES SHOULD BE INSPECTED ON A REGULAR BASIS TO ENSURE THEY ARE FUNCTIONING AS DESIGNED; AND
-A SPILL PREVENTION PLAN SHOULD BE IN PLACE PRIOR TO SITE ALTERATION TO MITIGATE AGAINST NEGATIVE IMPACTS TO RETAINED ECOLOGICAL FEATURES AND FUNCTIONS.

No.	Date	Revision	By	Ck.
3.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G.
2.	21-JAN-21	ISSUED FOR REVIEW	E.D.	M.G.
1.	07-NOV-19	ISSUED FOR REVIEW	E.D.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

TOWN OF EAST GWILLIMBURY

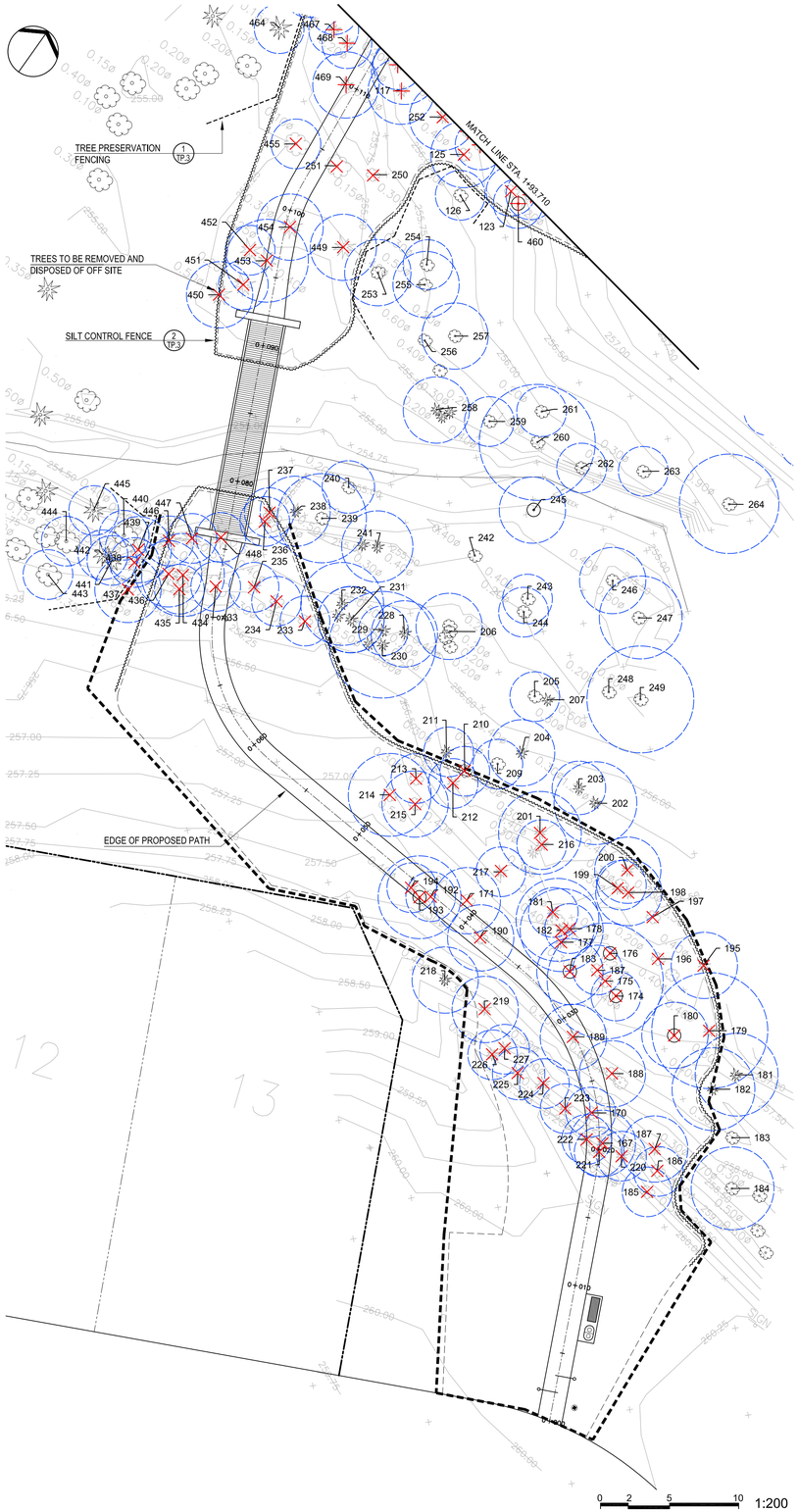
APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE_____

VICTORIA IN MOUNT ALBERT PHASE No.3

TREE PRESERVATION PLAN

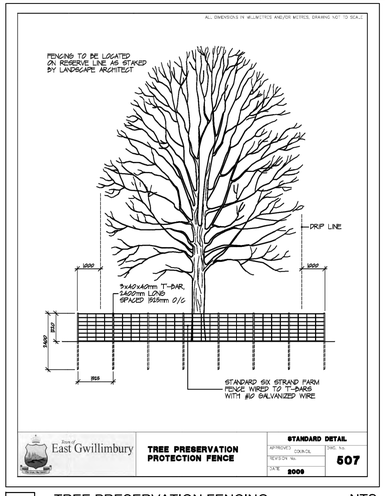
Drawn By E.D.	Checked By M.G	Registered Plan	
		Project No. 01-36D	Sheet No. TP.2
Scale AS SHOWN	Date Issued OCT 2019		

MT. ALBERT TRAIL
1 - PATH 'B' TREE INVENTORY

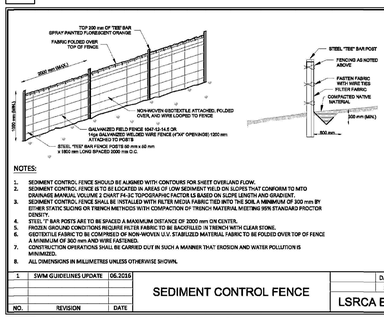


TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
117	White Cedar	Thuja occidentalis	2.4	33, 31.5	Good	Asymmetrical crown. Minor amount of small diameter deadwood present.	Remove
123	White Cedar	Thuja occidentalis	2.4	30	Good-Fair	Minor amount of small diameter deadwood present.	Remove
125	Ash	Fraxinus spp.	2.4	30	Poor	In decline.	Remove
126	Ash	Fraxinus spp.	1.8	15.5, 23.5	Poor	In decline.	Preserve
167	Manitoba Maple	Acer negundo	2.4	34, 27.5	Good-Fair	Rot present at main stem union.	Remove
170	White Cedar	Thuja occidentalis	1.8	28.5	Good-Fair	Minor amount of small diameter deadwood present.	Remove
171	White Cedar	Thuja occidentalis	2.4	31	Fair	Trunk lean. Moderate amount of small diameter deadwood present.	Remove
174	Elm	Ulmus spp.	1.8	23	Fair	Moderate amount of small diameter deadwood present.	Remove
175	White Cedar	Thuja occidentalis	4.2	67.5	Fair	Moderate amount of small diameter deadwood present.	Remove
176	Unidentifiable			19		Dead.	Remove
177	Unidentifiable			26		Dead.	Remove
178	White Cedar	Thuja occidentalis	3	46	Fair	Significant trunk lean. Moderate amount of small diameter deadwood present.	Remove
179	White Cedar	Thuja occidentalis	4.2	64, 52	Good-Fair	Significant trunk lean. Moderate amount of small diameter deadwood present.	Remove
180	White Cedar	Thuja occidentalis	2.4	34, 5	Good- Fair	Significant trunk lean. Moderate amount of small diameter deadwood present.	Remove
181	White Cedar	Thuja occidentalis	3	41.5	Good-Fair	Moderate amount of small diameter deadwood present.	Preserve
182	White Cedar	Thuja occidentalis	3	40.5	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
183	Dead			32		Fallen tree.	Preserve
184	White Cedar	Thuja occidentalis	3	42, 33.5	Good-Fair	Included bark. Moderate amount of deadwood present.	Preserve
185	Manitoba Maple	Acer negundo	1.8	9, 10.5, 27.5	Good-Fair	Several dead branches. Growing on slope.	Remove
186	Ash	Fraxinus spp.	1.8	17	Fair	Moderate amount of small diameter deadwood present.	Remove
187	White Cedar	Thuja occidentalis	2.4	31	Good	Significant asymmetrical crown. Botanically in good condition.	Remove
188	Manitoba Maple	Acer negundo	2.4	39	Good-Fair	Significant curve in trunk. Moderate amount of small diameter deadwood present.	Remove
189	White Cedar	Thuja occidentalis	2.4	36	Good-Fair	Minor amount of small diameter deadwood present. Codominant stems.	Remove
190	White Cedar	Thuja occidentalis	2.4	33.5	Good-Fair	Curve in trunk. Minor amount of small diameter deadwood present.	Remove
192	Manitoba Maple	Acer negundo	1.8	24, 22, 31	Fair	One broken stem in crown. Minor amount of small diameter deadwood present.	Remove
193	Manitoba Maple	Acer negundo	3	43.5	Fair	Curve in trunk.	Remove
194	White Cedar	Thuja occidentalis	1.8	25.5	Good-Fair	Shaded by adjacent trees.	Remove
195	White Cedar	Thuja occidentalis	2.4	36	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
196	Dead			25		Dead.	Remove
197	Dead			23.5		Dead. fallen.	Remove
198	White Spruce	Picea glauca	2.4	26, 31.5	Good	Minor amount of small diameter deadwood present.	Remove
199	Manitoba Maple	Acer negundo	1.8	23	Fair	Significant trunk lean.	Remove
200	White Cedar	Thuja occidentalis	2.4	34		Minor amount of small diameter deadwood present.	Remove
201	White Cedar	Thuja occidentalis	3	45.5, 31, 26	Good-Fair	Minor amount of small diameter deadwood present. Poor form. Split in trunk.	Remove
202	White Cedar	Thuja occidentalis	3	44, 57, 49.5	Good-Fair	Minor amount of small diameter deadwood present. Poor form. Split in trunk.	Preserve
203	White Cedar	Thuja occidentalis	1.8	28, 11.5	Fair	Dead stem in crown.	Preserve
204	White Cedar	Thuja occidentalis	2.4	36	Fair	Moderate amount of small diameter deadwood present.	Preserve
205	Manitoba Maple	Acer negundo	1.8	28	Good-Fair	Curve in trunk. Moderate amount of small diameter deadwood present.	Preserve
206	White Cedar	Thuja occidentalis	2.4	28, 22, 38	Fair	Trunk is leaning. Moderate amount of small diameter deadwood present.	Preserve
207	Dead		1.8	15		Dead.	Preserve
209	Manitoba Maple	Acer negundo	1.8	21.5	Fair	Significant lean in trunk. Minor to Moderate amount of small diameter deadwood present.	Preserve
210	Manitoba Maple	Acer negundo	1.8	25	Good	Botanically in good condition.	Remove
211	White Cedar	Thuja occidentalis	1.8	24	Fair	Moderate amount of small diameter deadwood present.	Preserve
212	White Cedar	Thuja occidentalis	1.8	27	Good-Fair	Minor trunk lean. Moderate amount of small diameter deadwood present.	Remove
213	Manitoba Maple	Acer negundo	1.8	25.5	Good-Fair	Poor form. Significant trunk lean.	Remove
214	Manitoba Maple	Acer negundo	3	47	Good-Fair	Poor form. Significant trunk lean. Cavity forming.	Remove
215	Manitoba Maple	Acer negundo	2.4	37.5	Good-Fair	Moderate amount of small diameter deadwood present. Significant trunk curve. Codominant stems.	Remove
216	White Cedar	Thuja occidentalis	1.8	26.5	Fair	Curve in trunk.	Remove
217	Manitoba Maple	Acer negundo	1.8	29	Fair	Poor form. One stem dead.	Remove
218	White Cedar	Thuja occidentalis	2.4	32	Good	Botanically in good condition.	Preserve
219	White Cedar	Thuja occidentalis	2.4	33.5, 31, 32, 28.5	Good	Botanically in good condition.	Remove
220	White Cedar	Thuja occidentalis	1.8	28.5	Good	Botanically in good condition.	Remove
221	White Cedar	Thuja occidentalis	1.8	23.5, 14	Good-Fair	Minor amount of small diameter deadwood present.	Remove
222	White Cedar	Thuja occidentalis	1.8	20	Good-Fair	Moderate amount of small diameter deadwood present.	Remove
223	White Cedar	Thuja occidentalis	1.8	28.5	Good	Botanically in good condition.	Remove
224	White Cedar	Thuja occidentalis	1.8	13.5, 19	Fair	Moderate amount of small diameter deadwood present.	Remove
225	White Cedar	Thuja occidentalis	1.8	28	Poor	In decline.	Remove
226	White Cedar	Thuja occidentalis	1.8	25.5	Fair	Moderate amount of small diameter deadwood present.	Remove
227	White Cedar	Thuja occidentalis	1.8	25	Fair	Moderate amount of small diameter deadwood present.	Remove
228	White Cedar	Thuja occidentalis	2.4	36.5	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
229	White Cedar	Thuja occidentalis	1.8	20.5	Fair	Shaded by adjacent trees.	Preserve
230	White Cedar	Thuja occidentalis	3.6	52	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
231	Basswood	Tilia americana	2.4	33.5	Poor	Poor form. Shaded by adjacent trees.	Preserve
232	White Cedar	Thuja occidentalis	3	46, 48, 27	Fair	Cavities forming. Moderate amount of small diameter deadwood present.	Preserve
233	Basswood	Tilia americana	1.8	21.5	Good-Fair	Split trunk.	Remove
234	Ash	Fraxinus spp.	1.8	9, 12.5, 14.5	Fair	Wire through trunk. Shaded by adjacent trees.	Remove
235	White Cedar	Thuja occidentalis	1.8	37	Good-Fair	Shaded. Minor to Moderate amount of small diameter deadwood present.	Remove
236	White Cedar	Thuja occidentalis	1.8	18.5	Fair-Poor	Significant curve in trunk. Moderate to significant amount of deacwood present.	Remove
237	White Cedar	Thuja occidentalis	1.8	23	Fair	Trunk growing horizontally.	Remove
238	White Cedar	Thuja occidentalis	2.4	11, 19.5, 29.5	Good-Fair	Growing on stand. Minor to Moderate amount of small diameter deadwood present.	Preserve
239	Basswood	Tilia americana	3	23.5, 16, 46.5, 27	Fair-Poor	Significant amount of deadwood present. Dead stem in crown.	Preserve
240	Manitoba Maple	Acer negundo	1.8	20	Fair	Suckering.	Preserve
241	White Cedar	Thuja occidentalis	2.4	36.5, 27.5	Fair	Moderate amount of small diameter deadwood present. Codominant stem.	Preserve
242	Dead			33		Dead.	Preserve
243	Hop-hornbeam	Ostrya virginiana	1.8	17, 19.5	Good	Botanically in good condition.	Preserve
244	Manitoba Maple	Acer negundo	1.8	14	Good-Fair	Poor form. Wound on trunk.	Preserve
245	Manitoba Maple	Acer negundo	2.4	31	Good	Botanically in good condition. Suckering at base of trunk.	Preserve
246	Ash	Fraxinus spp.	2.4	37	Poor	In decline.	Preserve
247	Manitoba Maple	Acer negundo	3	42	Good-Fair	Poor form. Botanically in good condition.	Preserve
248	Unidentifiable			18		Dead.	Preserve
249	Basswood	Tilia americana	3.6	54.5	Good-Fair	Minor amount of small diameter deadwood present.	Preserve
250	Unidentifiable			20		Dead.	Remove
251	Ash	Fraxinus spp.		29		Dead.	Remove
252	White Cedar	Thuja occidentalis	2.4	30.5	Fair	Codominant stems	Remove
253	White Cedar	Thuja occidentalis	2.4	39, 36, 20, 25	Good-Fair	Minor to Moderate amount of small diameter deadwood present.	Preserve
254	Ash	Fraxinus spp.	1.8	27	Fair	In decline.	Preserve
255	Ash	Fraxinus spp.	2.4	38, 25.5, 29.5	Fair	In decline.	Preserve
256	Ash	Fraxinus spp.		49		Dead.	Preserve
257	Ash	Fraxinus spp.	2.4	13,39	Fair	In decline.	Preserve
258	White Cedar	Thuja occidentalis	2.4	23.5, 38.5, 32	Good-Fair	Poor form. One stem leaning.	Preserve
259	Ash	Fraxinus spp.	1.8	22.5	Fair	In decline.	Preserve
260	Basswood	Tilia americana	4.2	63, 56.5	Good-Fair	Includes bark at main stem union. Botanically in good condition.	Preserve
261	Ash	Fraxinus spp.	1.8	19	Fair	Minor to Moderate amount of small diameter deadwood present.	Preserve
262	Unidentifiable		1.8	17.5	Poor	In decline.	Preserve
263	Ash	Fraxinus spp.	1.8	26	Poor	In decline.	Preserve
264	Basswood	Tilia americana	3.6	10.5, 28, 52.5, 15	Good-Fair	Botanically in good condition.	Preserve
433	Basswood	Tilia americana	1.8	23	Good	Botanically in good condition.	Remove
434	White Cedar	Thuja occidentalis	3	44	Fair	Trunk defect. Minor amount of deadwood present. Cavities forming on trunk.	Remove
435	White Cedar	Thuja occidentalis	1.8	16	Good-Fair	Minor amount of deadwood present.	Remove
436	White Cedar	Thuja occidentalis	2.4	39.5	Good-Fair	Included bark	Remove
437	Manitoba Maple	Acer negundo	2.4	26, 34.5, 17.5	Fair	Moderate amount of deadwood present. Cavities forming. Rot present.	Remove
438	White Cedar	Thuja occidentalis	1.8	19	Good-Fair	Minor amount of deadwood present.	Remove
439	White Cedar	Thuja occidentalis	2.4	35	Good-Fair	Minor amount of deadwood present.	Remove
440	Basswood	Tilia americana	1.8	20.5	Good	Botanically in good condition.	Preserve

TREE #	Species	Botanical Name	TPZ (m)	DBH (cm)	Condition Rating	Comments	Action
441	White Cedar	Thuja occidentalis	1.8	20	Good-Fair	Minor amount of deadwood present.	Preserve
442	White Cedar	Thuja occidentalis	1.8	26	Good-Fair	Minor amount of deadwood present.	Preserve
443	Manitoba Maple	Acer negundo	1.8	28	Fair	Significant trunk lean. Moderate amount of deadwood present. Cavities forming.	Preserve
444	Basswood	Tilia americana	1.8	24	Good-Fair	Minor amount of deadwood present.	Preserve
445	White Cedar	Thuja occidentalis	1.8	25	Fair-Poor	Significant trunk lean. Moderate amount of deadwood present.	Preserve
446	White Cedar	Thuja occidentalis	1.8	12, 6	Fair-Poor	Significant trunk lean. Rot from the bottom of the tree.	Remove
447	White Cedar	Thuja occidentalis	1.8	23, 29.5, 28.5	Fair-Poor	Minor to moderate amount of deadwood present. Codominant stems.	Remove
448	White Cedar	Thuja occidentalis	1.8	19.5, 31, 26	Good-Fair	Minor to moderate amount of deadwood present. Codominant stems.	Remove
449	White Cedar	Thuja occidentalis	2.4	39	Fair	Moderate amount of deadwood present. One stem is dead.	Remove
450	White Cedar	Thuja occidentalis	2.4	19, 32, 14.5, 22, 32	Fair	Moderate amount of deadwood present.	Remove
451	White Cedar	Thuja occidentalis	1.8	24	Good-Fair	Moderate amount of deadwood present.	Remove
452	White Cedar	Thuja occidentalis	1.8	24, 17	Good-Fair	Moderate amount of deadwood present.	Remove
453	Ash	Fraxinus spp.	3	42	Good-Fair	Moderate amount of deadwood present. Exposed roots.	Remove
454	White Cedar	Thuja occidentalis	2.4	24.5, 15, 34, 38	Good-Fair	Girdled roots.	Remove
455	Manitoba Maple	Acer negundo	1.8	18	Fair	Significant trunk lean. Moderate amount of deadwood present.	Remove
456	Ash	Fraxinus spp.	1.8	10	Good-Fair	Botanically in good condition.	Remove
459	Unidentifiable			16		Dead	Remove
460	Ash	Fraxinus spp.	1.8	16	Poor	Nearly dead.	Remove
464	White Cedar	Thuja occidentalis	1.8	18	Good-Fair	Curve in trunk. Moderate amount of deadwood present.	Preserve
467	White Cedar	Thuja occidentalis	1.8	23	Fair	Split on trunk. Moderate amount of deadwood present.	Remove
468	White Cedar	Thuja occidentalis	1.8	23	Fair	Previously torn limb wound present. Moderate amount of deadwood present.	Remove
469	White Cedar	Thuja occidentalis	1.8	20	Fair	Moderate amount of deadwood present. Multi stem trunk.	Remove



1 TREE PRESERVATION FENCING NTS



NOTES:
1. SEDIMENT CONTROL FENCE SHOULD BE ALIGNED WITH CONTOURS FOR SHEET OVERLAND FLOW.
2. SEDIMENT CONTROL FENCE IS TO BE LOCATED IN AREAS OF LOW SEDIMENT YIELD ON SLOPES THAT CONFORM TO MTO DRAINAGE MANUAL VOLUME 2 CHART F4-2C TOPOGRAPHIC FACTOR LS BASED ON SLOPE LENGTH AND GRADIENT.
3. SEDIMENT CONTROL FENCE SHALL BE INSTALLED WITH FILTER MEDIA FABRIC TIED INTO THE SOIL A MINIMUM OF 300 mm BY EITHER STATIC SLICING OR TRENCH METHODS WITH COMPACTION OF TRENCH MATERIAL MEETING 95% STANDARD PROCTOR DENSITY.
4. THE T-BAR POSTS ARE TO BE SPACED A MAXIMUM DISTANCE OF 3000 mm O/N CENTER.
5. FROZEN GROUND CONDITIONS REQUIRE FILTER FABRIC TO BE BACKFILLED IN TRENCH WITH CLEAR STONE.
6. GEOTEXTILE FABRIC TO BE COMPRISED OF NON-WOVEN U.V. STABILIZED MATERIAL FABRIC TO BE FOLDED OVER TOP OF FENCE A MINIMUM OF 300 mm AND WIRE FASTENED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

NO.	REVISION	DATE
1	SWM GUIDELINES UPDATE	06.2016

SEDIMENT CONTROL FENCE
DATE: 06.2016
SCALE: NTS
LSRCA ESC-4

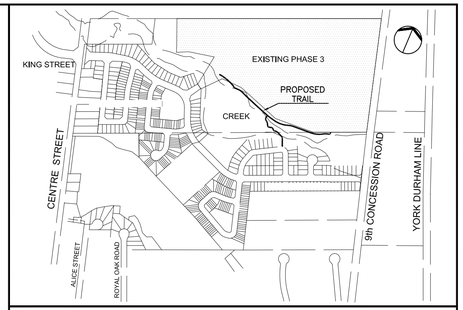
2 SEDIMENT CONTROL FENCE Section NTS

EROSION and SEDIMENT CONTROL NOTES:
1. ALL SEDIMENT CONTROL MEASURES SUCH AS SEDIMENT CONTROL FENCE, TEMPORARY PONDS, CONSTRUCTION ACCESS MATS, SEDIMENT TRAPS, SWALES AND CHECK DAMS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE WORKS.
2. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY ON A WEEKDAY BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT. REPAIRS TO ESC MEASURES MUST BE COMPLETED IN A TIMELY MANNER TO PREVENT SEDIMENT MIGRATION.
3. ADDITIONAL MATERIALS SUCH AS CLEAR STONE, FILTER FABRIC, PUMPS, HOSES AND SILTSOXX TO BE KEPT ONSITE AT ALL TIMES FOR CONDUCTING REPAIRS TO SEDIMENT CONTROL MEASURES.
4. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN THIRTY DAYS ARE TO BE STABILIZED.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SEDIMENT CONTROL PLAN.
6. THE STABILIZATION SEED MIXTURE IS TO BE APPLIED AT A MINIMUM RATE OF 35 kg/Ha.
7. ENGINEERED CHANGES TO THE ESC MEASURES MAY BE NEEDED AS SITE CONDITIONS CHANGE THROUGHOUT THE CONSTRUCTION PROCESS. THESE UPDATES MUST REFLECT BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION ONSITE AND SHOULD BE COMPLETED BASED ON DIRECTION FROM THE SITE ENGINEER. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY AN ENGINEER THROUGHOUT THE CONSTRUCTION PROCESS.
8. THE CONSTRUCTION ENTRANCE MAT IS TO BE INSTALLED AS THE FIRST SITE IN THE SITE ALTERATION PROCESS.
9. SEDIMENT CONTROL FENCES IS TO BE ENSTALLED DOWNSLOPE OF ALL DISTURBED AREAS. A DOUBLE ROW OF SEDIMENT CONTROL FENCE IS TO BE INSTALLED SURROUNDING ALL SOIL STOCKPILES. SEDIMENT CONTROL FENCE TO BE INSTALLED AS PER SITE ENGINEER. SEDIMENT CONTROL FENCE IS TO BE AS PER LSRCA STANDARD ESC-4 or ESC-5 AS A MINIMUM. LIGHT DUTY SEDIMENT CONTROL FENCE IS NOT ACCEPTABLE.
10. CUT-OFF SWALES OR DITCHES ARE TO BE INSTALLED AS SHOWN ON THE ESC PLANS AND AS NECESSARY BASED ON CHANGING SITE CONDITIONS TO DIRECT OVERLAND FLOW TO THE APPROPRIATE SEDIMENT TRAP OR TEMPORARY SEDIMENT POND.
11. CHECK DAMS ARE TO BE INSTALLED IN ALL SWALES AND DITCHES IN ACCORDANCE WITH DRAWING LSRCA ESC-2, AS A MINIMUM.
12. TEMPORARY SEDIMENT PONDS ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION, IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT PONDS DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
13. TEMPORARY SEDIMENT PONDS ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION, IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT PONDS DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
14. FILTREXX SILTSOXX OR APPROVED EQUIVALENT TO BE INSTALLED DOWNSTREAM FROM SEDIMENT TRAP AND TEMPORARY SEDIMENT POND OUTLETS TO A MINIMUM HEIGHT OF 300mm.
15. IF STOCKPILES ARE USED ON-SITE FOR THE STORAGE OF EXCESS MATERIAL, THEY ARE TO BE IN ACCORDANCE WITH EXISTING DRAWING LSRCA ESC-6 OR BETTER.
16. ANY DEWATERING OCCURRING ONSITE MUST BE IN ACCORDANCE WITH AN APPROVED DEWATERING PLAN. ADDITIONAL DEWATERING REQUIREMENTS MAY BE DEEMED NECESSARY AND SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.
17. THE SITE TRAILER IS TO BE LOCATED ONLY AT THE DESIGNATED LOCATION SHOWN ON THE PLANS.
18. ALL REFUELING AND MAINTENANCE OF EQUIPMENT IS TO BE DONE IN THE DESIGNATED AREA SHOWN ON THE PLANS.
19. REFUELING IS TO TAKE PLACE ONLY WITHIN THE DESIGNATED AREA SHOWN ON THE PLANS AND SHALL BE A MINIMUM OF THIRTY METRES FROM ANY WATERCOURSE OR ENVIRONMENTALLY SENSITIVE AREA.
20. AN APPROVED SPILLS MANAGEMENT PLAN IS TO BE KEPT ONSITE.
21. SPILL CLEANUP EQUIPMENT SUCH AS ABSORPTIVE MEDIA IS TO BE MAINTAINED ONSITE FOR IMMEDIATE USE IN THE EVENT OF A SPILL.
22. ALL SPILLS ARE TO BE REPORTED TO THE MINISTRY OF ENVIRONMENT SPILLS ACTION CENTRE.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEAN-UP AND RESTORATION, INCLUDING ALL COSTS, DUE TO THE RELEASE OF SEDIMENT FROM THE SITE.
24. LOW IMPACT DEVELOPMENT (LID) MEASURES ARE NOT TO BE USED AS SEDIMENT CONTROL DEVICES.
25. ADDITIONAL SEDIMENT CONTROL DEVICES MAY BE DEEMED NECESSARY AND AS SITE CONDITIONS CHANGE AND SHALL BE INSTALLED AS DIRECTED BY THE SITE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.

NO.	REVISION	DATE
1	SWM GUIDELINES UPDATE	06.2016

EROSION AND SEDIMENT CONTROL PLAN NOTES
DATE: 06.2016
SCALE: NTS
LSRCA ESC-1

3 EROSION SEDIMENT CONTROL NOTES Section NTS



KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

LEGEND:

- EXISTING TREES
- LIMIT OF GRADING
- TEMPORARY FENCING
- SILT CONTROL FENCING
- TREE PRESERVATION FENCING
- EXISTING TREES NOT ON SURVEY
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION ZONE

NOTES:

-TREES APPROVED FOR REMOVAL MUST CLEARLY BE MARKED WITH A LETTER "R" USING ORANGE OR RED HIGH VISIBILITY SPRAY PAINT AT BREAST HEIGHT (1.4 M) AND AT THE BASE OF THE STEM (STUMP HEIGHT), PER YORK REGION'S STREET TREE AND FOREST PRESERVATION GUIDELINES (2016);
-TREE REMOVALS SHOULD OCCUR OUTSIDE OF APRIL 1 TO OCTOBER 1 SO AS NOT TO CONTRAVENE WITH THE BAT MATERNITY ROOSTING WINDOW AND MIGRATORY BIRD WINDOW (APRIL 1-OCTOBER 1);
-ANY NOT-NATURAL (HUMAN MADE) WASTE SHOULD BE REMOVED FROM THE SITE BEFORE SITE ALTERATION OCCURS;
-IF POSSIBLE, STUMPS AND ROOTS WITHIN THE 4 M TRANSITION ZONE SHOULD NOT BE GRUBBED TO ALLOW FOR NATURAL GROUNDCOVER REGENERATION FROM THE UNDISTURBED SEEDBACK;
-STRUCTURALLY SOUND TREE TRUNKS WITHIN THE 4 M TRANSITION ZONE SHOULD BE RETAINED TO PROVIDE ADDITIONAL WILDLIFE HABITAT FOR TERRESTRIAL SPECIES (E.G., BATS, INSECTS, BIRDS);
-TREE PROTECTION AND ESC MEASURES SHOULD BE INSTALLED PRIOR TO REMOVALS OF ANY PLANT MATERIALS. THESE MITIGATION MEASURES SHOULD BE INSPECTED ON A REGULAR BASIS TO ENSURE THEY ARE FUNCTIONING AS DESIGNED; AND
-A SPILL PREVENTION PLAN SHOULD BE IN PLACE PRIOR TO SITE ALTERATION TO MITIGATE AGAINST NEGATIVE IMPACTS TO RETAINED ECOLOGICAL FEATURES AND FUNCTIONS.

No.	Date	Revision	By	Ck.
3.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G.
2.	21-JAN-21	ISSUED FOR REVIEW	E.D.	M.G.
1.	07-NOV-19	ISSUED FOR REVIEW	E.D.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-4616

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT
PHASE No.3

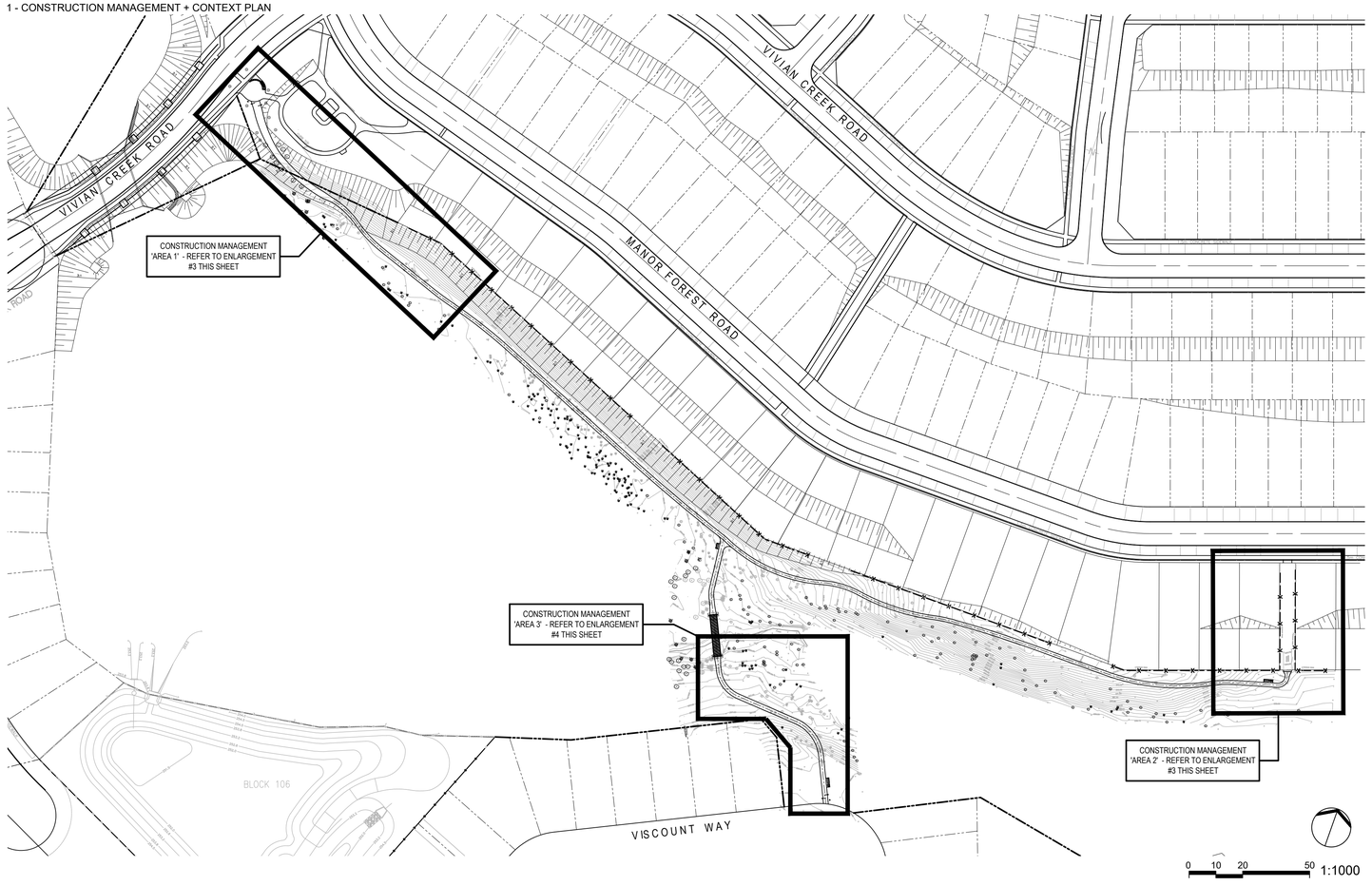
TREE PRESERVATION PLAN

Drawn By	E.D.	Checked By	M.G	Registered Plan	
				Project No. 01-36D	Sheet No. TP.3
Scale	AS SHOWN	Date Issued	OCT 2019		

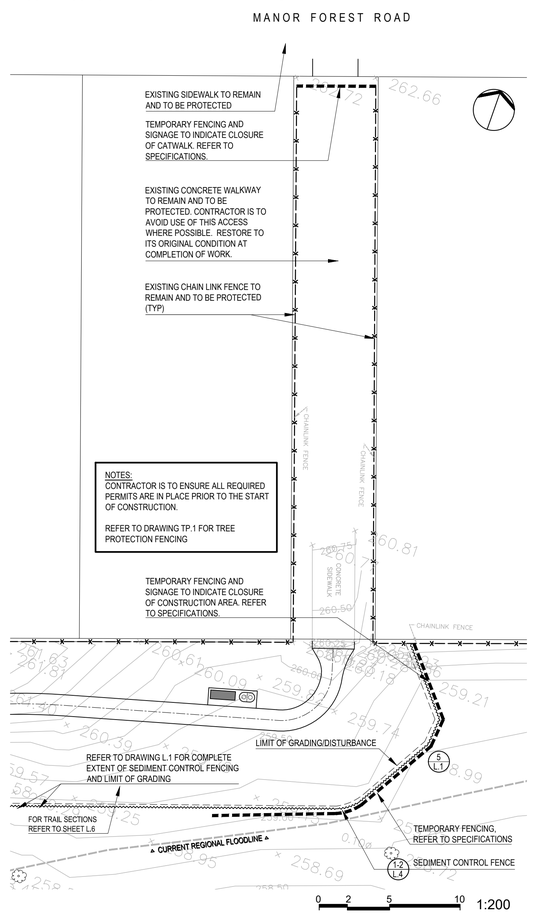
APPROVED
LAKE SIMCOE REGION CONSERVATION AUTHORITY
SIGNATURE

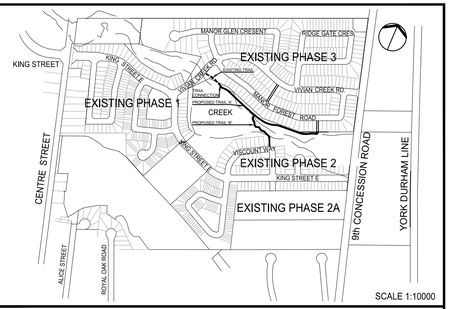
MT. ALBERT TRAIL

1 - CONSTRUCTION MANAGEMENT + CONTEXT PLAN



2 - CONSTRUCTION MANAGEMENT 'AREA 2' ENLARGEMENT PLAN





KEY PLAN

BENCHMARK

ELEVATION = 282.06m

TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY–PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:

- EXISTING TREES
- EXISTING TREE DBH
- EXISTING TREES NOT ON SURVEY
- EXISTING TREES TO BE REMOVED REFER TO TREE PRESERVATION PLAN FOR REMOVAL INFORMATION
- CENTERLINE OF TRIBUTARY
- PROPOSED REGIONAL FLOODLINE
- CURRENT REGIONAL FLOODLINE
- PROPOSED 100YR FLOODLINE
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE TO REMAIN
- LIMIT OF GRADING/DISTURBANCE
- REGULATED FLOODLINE - ELEV. 255.33
- TEMPORARY FENCING
- SEDIMENT CONTROL FENCING

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

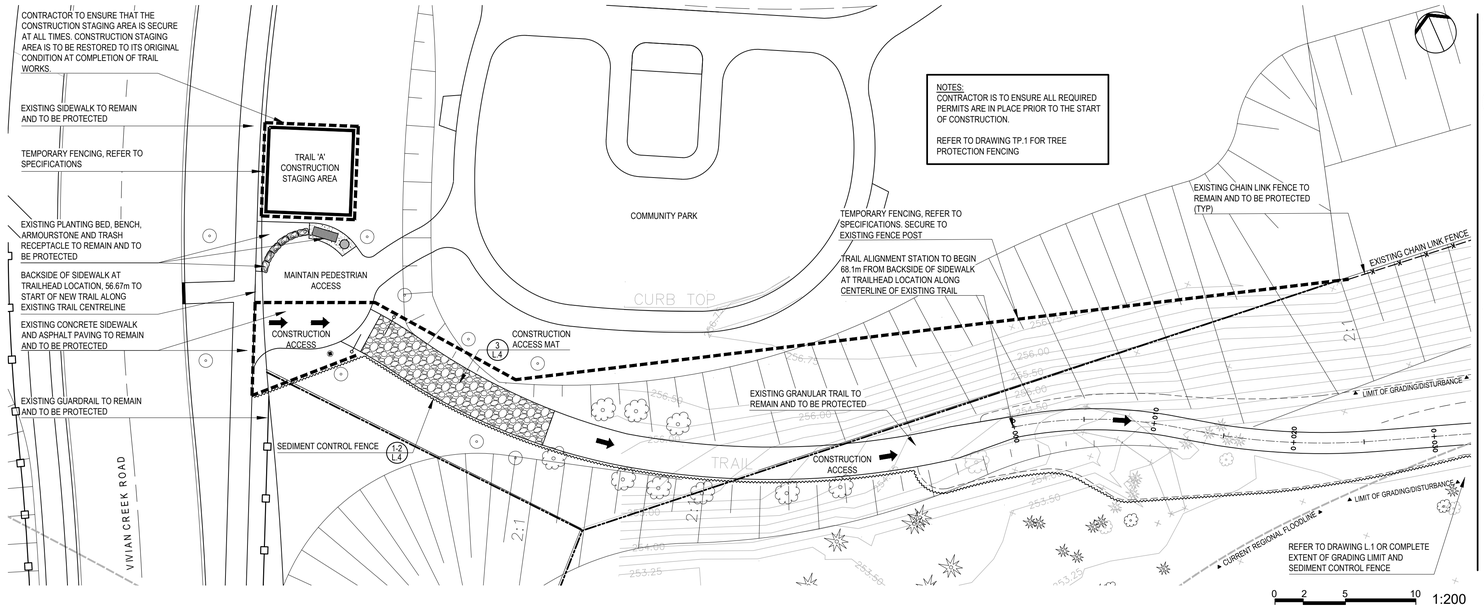
NOTES:

REFER TO TREE PRESERVATION PLAN FOR TREE REMOVALS AND TREE PROTECTION.

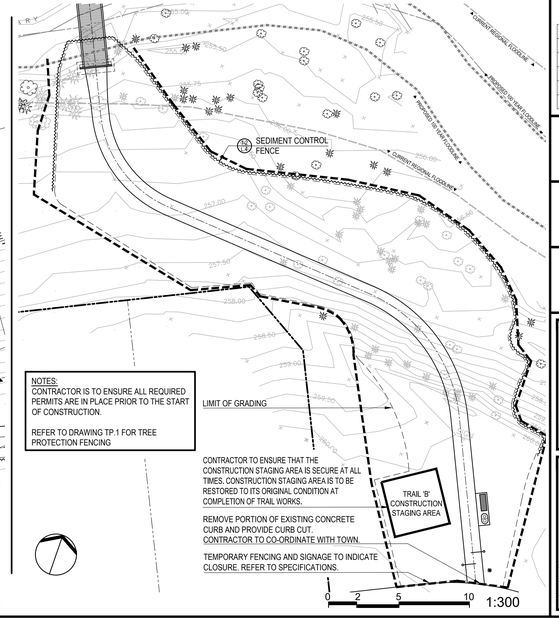
ALL DISTURBED AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AT COMPLETION OF CONSTRUCTION WORKS.

CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF CONSTRUCTION.

3 - CONSTRUCTION MANAGEMENT 'AREA 1' ENLARGEMENT PLAN



4 - CONSTRUCTION MANAGEMENT 'AREA 3' ENLARGEMENT PLAN



No.	By	Date	Revision	By.	Ck.
3.	M.G.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G./R.B.
2.	A.L.	10-MAY-21	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — DONALD E. BERNBECK — 6-DEC-21 — OALA Registrant Member

TOWN OF EAST GWILLIMBURY

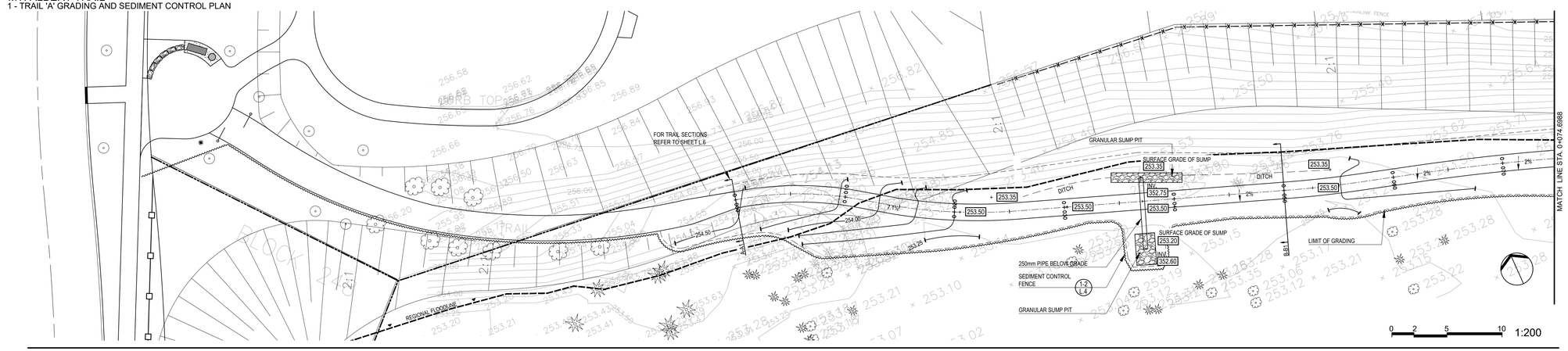
VICTORIA IN MOUNT ALBERT PHASE No.3

CONSTRUCTION MANAGEMENT + CONTEXT PLAN

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. C-1
Scale AS SHOWN	Date Issued NOV 2019		

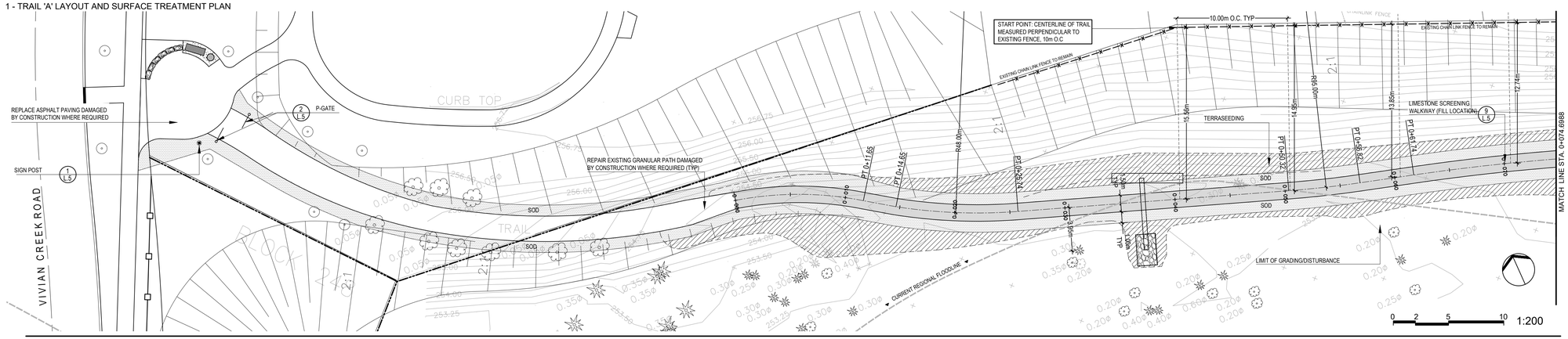
MT. ALBERT TRAIL

1 - TRAIL 'A' GRADING AND SEDIMENT CONTROL PLAN

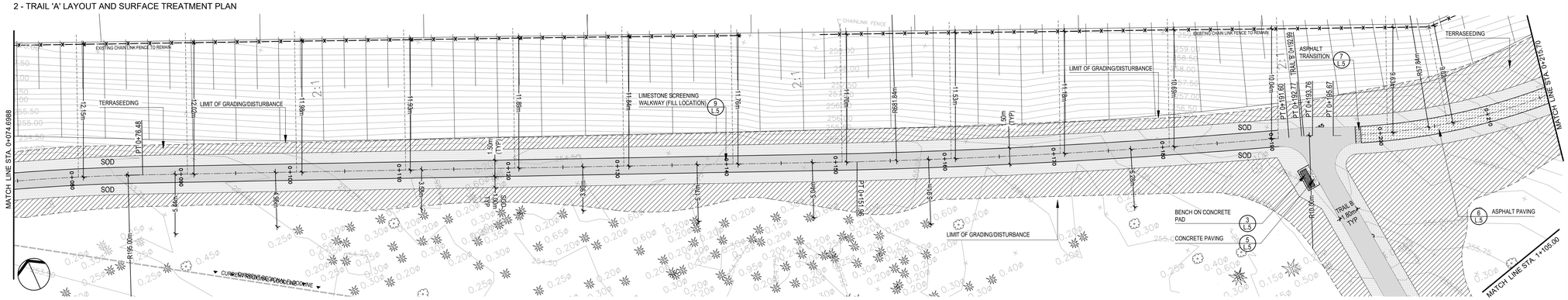


MT. ALBERT TRAIL

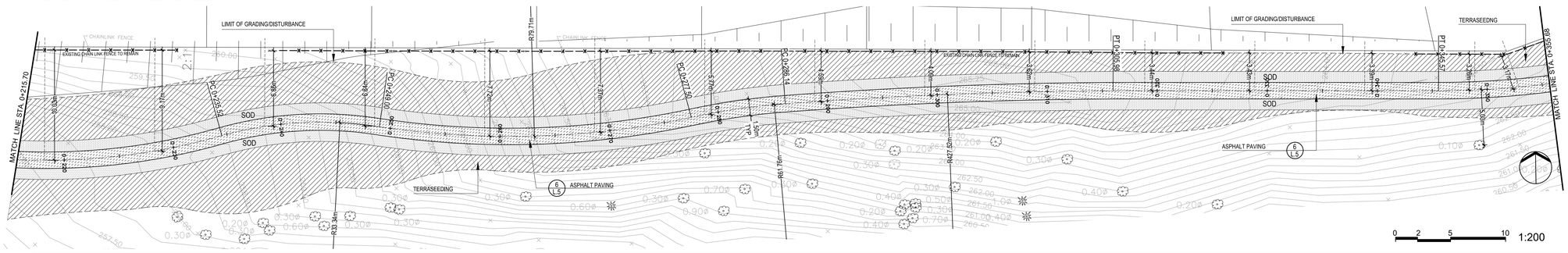
1 - TRAIL 'A' LAYOUT AND SURFACE TREATMENT PLAN



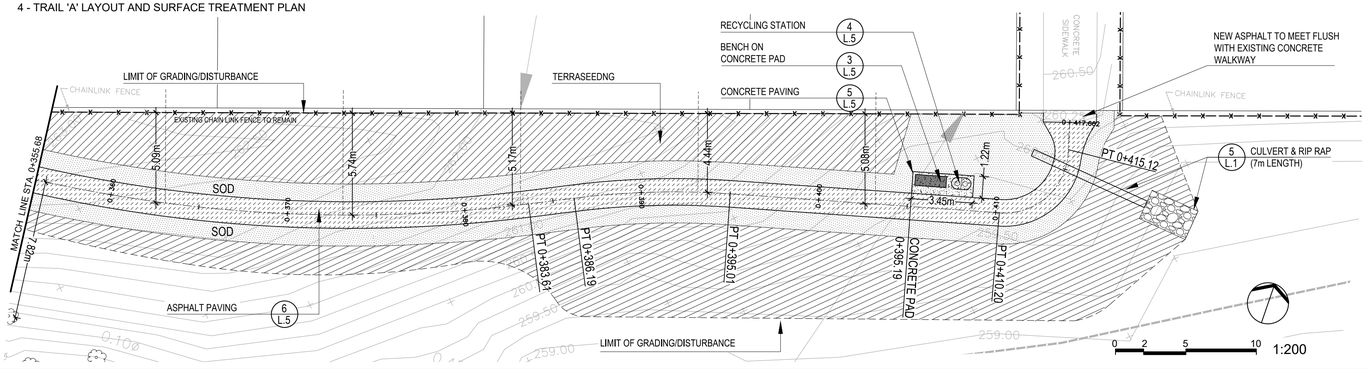
2 - TRAIL 'A' LAYOUT AND SURFACE TREATMENT PLAN



3 - TRAIL 'A' LAYOUT AND SURFACE TREATMENT PLAN



4 - TRAIL 'A' LAYOUT AND SURFACE TREATMENT PLAN



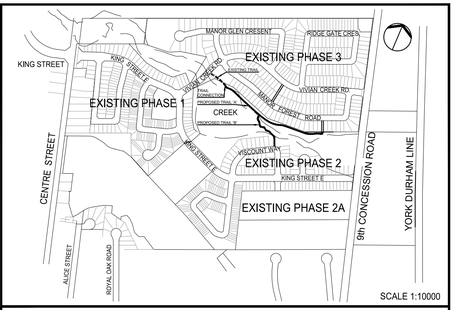
NATIVE SEED MIX - TERRASEEDING

2% Glyceria striata - Fowl Mana Grass
30% Poa palustris - Fowl Bluegrass
30% Carex vulpinoidea - Fox Sedge
8% Juncus tenuis - Path Rush
30% Elymus virginicus - Virginia Wild Rye

AT A MINIMUM RATE OF 25kg/ha

Refer to:
www.creditvalleyca.ca/wp-content/uploads/2013/05/planning-seedmix-flyer-may-20131.pdf

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE



KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY–PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:

- EXISTING TREES
- EXISTING TREE DBH
- EXISTING TREES NOT ON SURVEY
- EXISTING TREES TO BE REMOVED REFER TO TREE PRESERVATION PLAN FOR REMOVAL INFORMATION
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE TO REMAIN
- LIMIT OF GRADING/DISTURBANCE
- REGULATED FLOODLINE - ELEV. 255.33
- TERRASEEDING
- SOD/TOPSOIL
- NEW LIMESTONE PATH
- CONCRETE PAVING
- ASPHALT PAVING
- LIMIT OF GRADING/DISTURBANCE
- 100 YEAR FLOODLINE
- CENTRE LINE OF TRIBUTARY
- CURRENT REGIONAL FLOODLINE
- PROPOSED REGIONAL FLOODLINE
- SIGN POST
- RECYCLING STATION
- BENCH

NOTES:

SITE STABILIZATION (TERRASEEDING) WILL OCCUR DURING OR IMMEDIATELY FOLLOWING CONSTRUCTION TO AVOID UNACCEPTABLE LEVELS OF EROSION. IF REQUIRED, TEMPORARY MEASURES WILL NEED TO BE UNDERTAKEN BY THE CONTRACTOR TO STABILIZE SOIL CONDITIONS OVER THE WINTER IF TERRASEEDING CANNOT BE COMPLETED PRIOR TO THE WINTER MONTHS.

REFER TO TREE PRESERVATION PLAN FOR TREE REMOVALS AND TREE PROTECTION.

ALL DISTURBED AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AT COMPLETION OF CONSTRUCTION WORKS.

CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF CONSTRUCTION.

No.	By	Date	Revision	By.	Ck.
3.	M.G.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G./R.B.
2.	A.L.	10-MAY-21	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — DONALD E. BERNDSEN — 6-Dec-21 — OALA Registered MEMBER

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

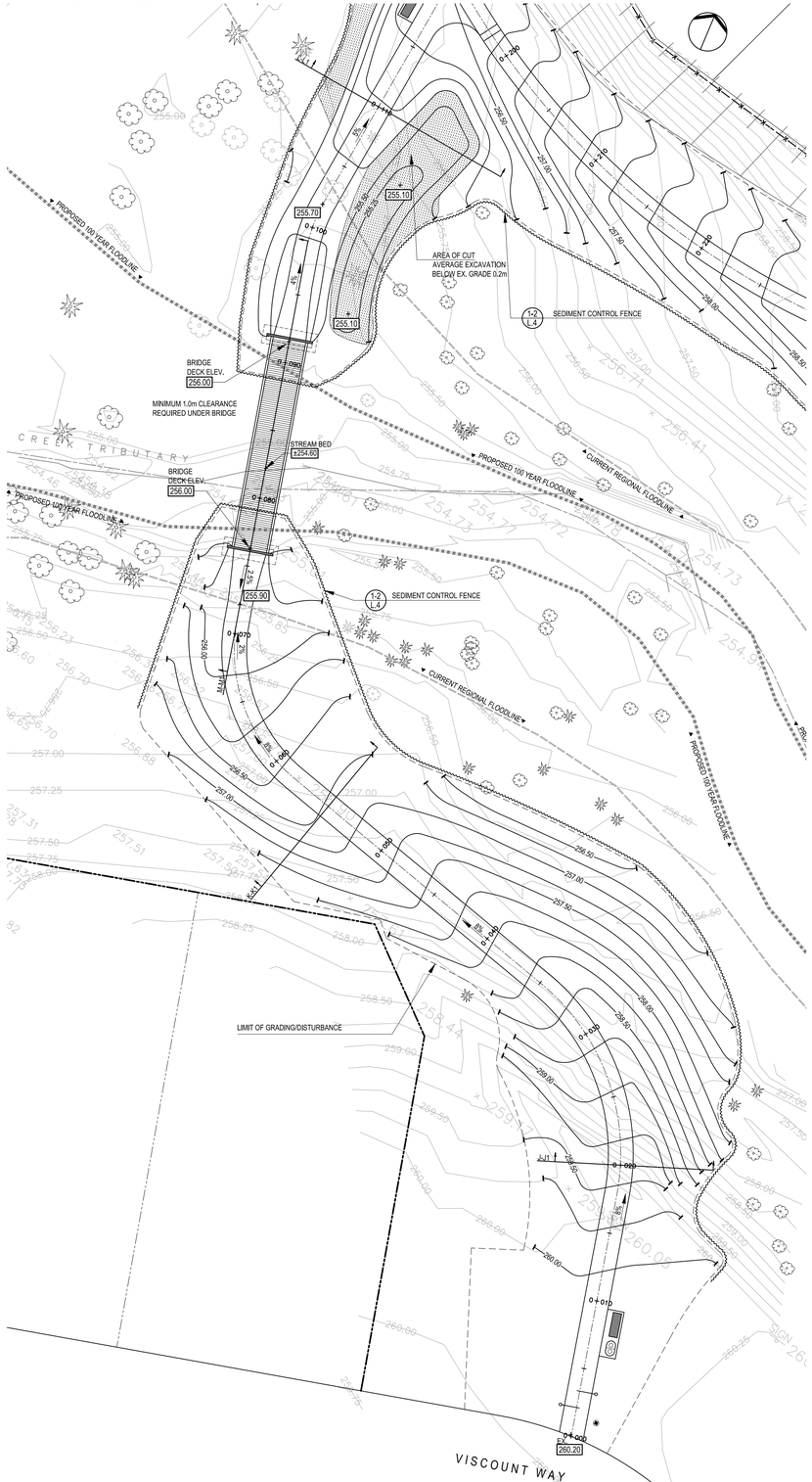
TRAIL 'A' LAYOUT AND SURFACE TREATMENT PLAN

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-2
Scale AS SHOWN	Date Issued NOV 2019		

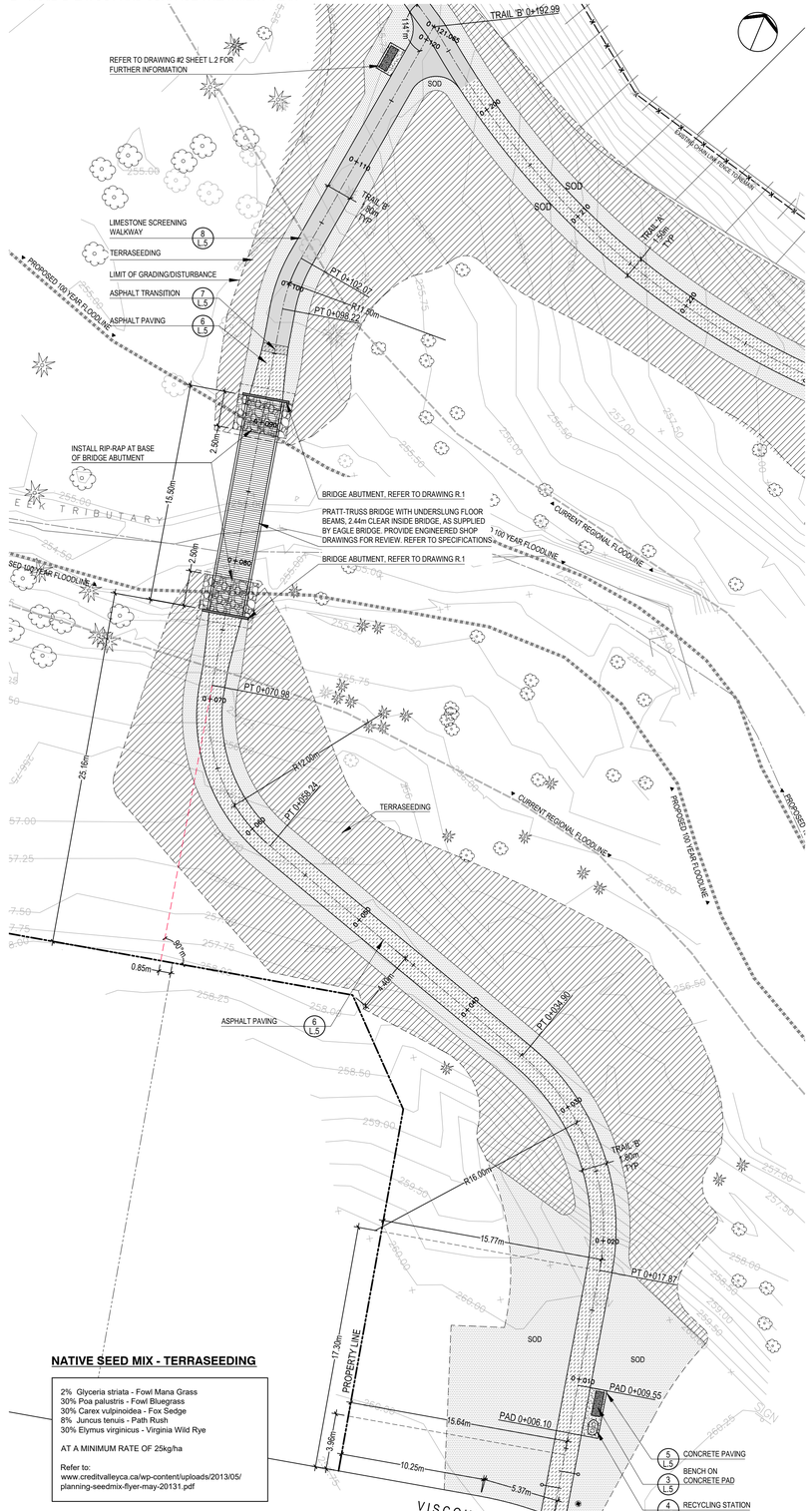
Drawing File: Mt Albert Trail Submission May 2022.dwg (L-2) Plotted: Thursday, 12 May 2022

MT. ALBERT TRAIL

1 - TRAIL 'B' GRADING & SEDIMENT CONTROL PLAN



2 - TRAIL 'B' LAYOUT AND SURFACE TREATMENT PLAN

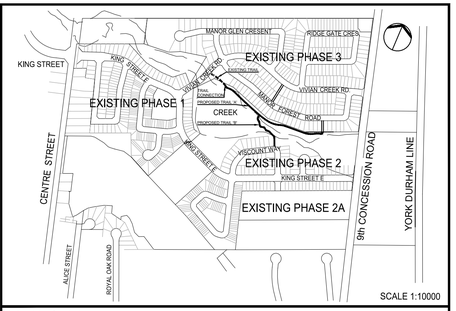


NATIVE SEED MIX - TERRASEEDING

2% Glyceria striata - Fowl Mana Grass
30% Poa palustris - Fowl Bluegrass
30% Carex vulpinoidea - Fox Sedge
8% Juncus tenuis - Path Rush
30% Elymus virginicus - Virginia Wild Rye

AT A MINIMUM RATE OF 25kg/ha

Refer to:
www.creditvalleyca.ca/wp-content/uploads/2013/05/planning-seedmix-flyer-may-20131.pdf



KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY–PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:

- EXISTING TREES
- EXISTING TREE DBH
- EXISTING TREES NOT ON SURVEY
- EXISTING TREES TO BE REMOVED REFER TO TREE PRESERVATION PLAN FOR REMOVAL INFORMATION
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE TO REMAIN
- LIMIT OF GRADING/DISTURBANCE
- 100 YEAR FLOODLINE
- CENTRE LINE OF TRIBUTARY
- CURRENT REGIONAL FLOODLINE
- PROPOSED REGIONAL FLOODLINE
- TERRASEEDING
- SOD/TOPSOIL
- NEW GRANULAR PATH
- CONCRETE PAVING
- ASPHALT PAVING
- RIP-RAP
- EXISTING SPOT ELEVATION
- 256.00 EXISTING CONTOUR
- + 253.70 PROPOSED SPOT ELEVATION
- INV. 253.15 PROPOSED CULVERT INVERT ELEVATION
- PROPOSED CONTOUR
- 2.5% PROPOSED DIRECTION OF SURFACE DRAINAGE
- TEMPORARY FENCING
- SILT CONTROL FENCING
- SIGN POST
- RECYCLING STATION
- BENCH

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

NOTES:

SITE STABILIZATION (TERRASEEDING) WILL OCCUR DURING OR IMMEDIATELY FOLLOWING CONSTRUCTION TO AVOID UNACCEPTABLE LEVELS OF EROSION. IF REQUIRED, TEMPORARY MEASURES WILL NEED TO BE UNDERTAKEN BY THE CONTRACTOR TO STABILIZE SOIL CONDITIONS OVER THE WINTER IF TERRASEEDING CANNOT BE COMPLETED PRIOR TO THE WINTER MONTHS.

REFER TO TREE PRESERVATION PLAN FOR TREE REMOVALS AND TREE PROTECTION.

ALL DISTURBED AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AT COMPLETION OF CONSTRUCTION WORKS.

CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF CONSTRUCTION.

No.	By	Date	Revision	By.	Ck.
3.	M.G.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G./R.B.
2.	A.L.	10-MAY-21	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS
LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
RICHARD E. BERNDSEN
16-Dec-21
OALA
MEMBER

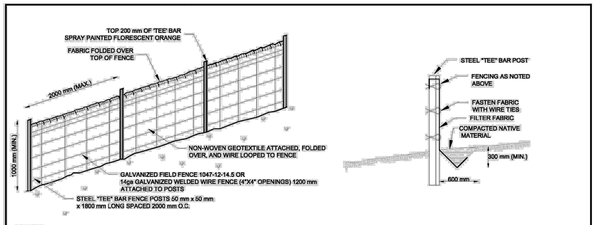
TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

TRAIL B GRADING & SEDIMENT CONTROL, LAYOUT AND SURFACE TREATMENT PLAN

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-3
Scale AS SHOWN	Date Issued AUG 2019		

Drawing File: Mt Albert Tech Submission May 2022.dwg (L-4) Plotted: Thursday, 12 May 2022



NOTES:

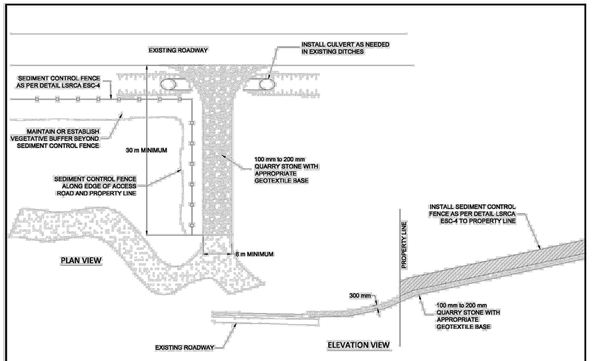
1. SEDIMENT CONTROL FENCE SHOULD BE ALIGNED WITH CONTOURS FOR SHEET OVERLAND FLOW.
2. SEDIMENT CONTROL FENCE IS TO BE LOCATED IN AREAS OF LOW SEDIMENT YIELD ON SLOPES THAT CONFORM TO MTO DRAINAGE MANUAL VOLUME 2 CHART F4-3C TOPOGRAPHIC FACTOR LS BASED ON SLOPE LENGTH AND GRADIENT.
3. SEDIMENT CONTROL FENCE SHALL BE INSTALLED WITH FILTER MEDIA FABRIC TIED INTO THE SOIL A MINIMUM OF 300 mm BY EITHER STATIC SLICING OR TRENCH METHODS WITH COMPACTION OF TRENCH MATERIAL MEETING 95% STANDARD PROCTOR DENSITY.
4. STEEL "I" BAR POSTS ARE TO BE SPACED A MAXIMUM DISTANCE OF 2000 mm ON CENTER.
5. FROZEN GROUND CONDITIONS REQUIRE FILTER FABRIC TO BE BACKFILLED IN TRENCH WITH CLEAR STONE.
6. GEOTEXTILE FABRIC TO BE COMPRISED OF NON-WOVEN U.V. STABILIZED MATERIAL. FABRIC TO BE FOLDED OVER TOP OF FENCE A MINIMUM OF 300 mm AND WIRE FASTENED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

NO.	REVISION	DATE
1	SWM GUIDELINES UPDATE	06.2016

SEDIMENT CONTROL FENCE

DATE: 06.2016
SCALE: NTS
LSRCA ESC-4

1 SEDIMENT CONTROL FENCE
Section



NO.	REVISION	DATE
1	SWM GUIDELINES UPDATE	06.2016

CONSTRUCTION ACCESS MAT

DATE: 06.2016
SCALE: NTS
LSRCA ESC-3

3 CONSTRUCTION ACCESS MAT NTS
Section

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL SEDIMENT CONTROL MEASURES SUCH AS SEDIMENT CONTROL FENCE, TEMPORARY PONDS, CONSTRUCTION ACCESS MATS, SEDIMENT TRAPS, SWALES AND CHECK DAMS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE WORKS.
2. SEDIMENT CONTROLS SHOULD BE INSPECTED ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT. REPAIRS TO ESC MEASURES MUST BE COMPLETED IN A TIMELY MANNER TO PREVENT SEDIMENT MIGRATION.
3. ADDITIONAL MATERIALS SUCH AS CLEAR STONE, FILTER FABRIC, PUMPS, HOSES AND SILTSOXX TO BE KEPT ONSITE AT ALL TIMES FOR CONDUCTING REPAIRS TO SEDIMENT CONTROL MEASURES.
4. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN THIRTY DAYS ARE TO BE STABILIZED.
5. THE STABILIZATION SEED MIXTURE IS TO BE AS SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN.
6. THE STABILIZATION SEED MIXTURE IS TO BE APPLIED AT A MINIMUM RATE OF 25 kg/ha.
7. ENGINEERED CHANGES TO THE ESC MEASURES MAY BE NEEDED AS SITE CONDITIONS CHANGE THROUGHOUT THE CONSTRUCTION PROCESS. THESE UPDATES MUST REFLECT BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION ONSITE AND SHOULD BE COMPLETED BASED ON DIRECTION FROM THE SITE ENGINEER. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY AN ENGINEER THROUGHOUT THE CONSTRUCTION PROCESS.
8. THE CONSTRUCTION ENTRANCE MAT IS TO BE INSTALLED AS THE FIRST STEP IN THE SITE ALTERATION PROCESS.
9. SEDIMENT CONTROL FENCE IS TO BE INSTALLED DOWNSLOPE OF ALL DISTURBED AREAS. A DOUBLE ROW OF SEDIMENT CONTROL FENCE IS TO BE INSTALLED SURROUNDING ALL NATURAL HERITAGE FEATURES AND AS DIRECTED BY THE SITE ENGINEER. SEDIMENT CONTROL FENCE IS TO BE AS PER LSRCA STANDARD ESC-4 or ESC-5 AS A MINIMUM. LIGHT DUTY SEDIMENT CONTROL FENCE IS NOT ACCEPTABLE.
10. CUT-OFF SWALES OR DITCHES ARE TO BE INSTALLED AS SHOWN ON THE ESC PLANS AND AS NECESSARY BASED ON CHANGING SITE CONDITIONS TO DIRECT OVERLAND FLOW TO THE APPROPRIATE SEDIMENT TRAP OR TEMPORARY SEDIMENT POND.
11. CHECK DAMS ARE TO BE INSTALLED IN ALL SWALES AND DITCHES IN ACCORDANCE WITH DRAWING LSRCA ESC-2, AS A MINIMUM
12. TEMPORARY SEDIMENT TRAP(S) ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION. IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT TRAP(S) DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
13. TEMPORARY SEDIMENT POND(S) ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION. IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT POND(S) DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
14. FILTREXX SILTSOXX OR APPROVED EQUIVALENT TO BE INSTALLED DOWNSTREAM FROM SEDIMENT TRAP AND TEMPORARY SEDIMENT POND OUTLETS TO A MINIMUM HEIGHT OF 300mm.
15. IF STOCKPILES ARE USED ON-SITE FOR THE STORAGE OF EXCESS MATERIAL, THEY ARE TO BE IN ACCORDANCE WITH DETAIL DRAWING LSRCA ESC-6 OR BETTER.
16. ANY DEWATERING OCCURRING ONSITE MUST BE IN ACCORDANCE WITH AN APPROVED DEWATERING PLAN. ADDITIONAL DEWATERING REQUIREMENTS MAY BE DEEMED NECESSARY AND SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.
17. THE SITE TRAILER IS TO BE LOCATED ONLY AT THE DESIGNATED LOCATION SHOWN ON THE PLANS.
18. EQUIPMENT AND HYDROCARBON STORAGE IS TO OCCUR ONLY WITHIN THE DESIGNATED AREA SHOWN ON THE PLANS.
19. REFUELING IS TO TAKE PLACE ONLY WITHIN THE DESIGNATED AREA SHOWN ON THE PLANS AND SHALL BE A MINIMUM OF THIRTY METRES FROM ANY WATERCOURSE OR ENVIRONMENTALLY SENSITIVE AREA.
20. AN APPROVED SPILLS MANAGEMENT PLAN IS TO BE KEPT ONSITE.
21. SPILL CLEANUP EQUIPMENT SUCH AS ABSORPTIVE MEDIA IS TO BE MAINTAINED ONSITE FOR IMMEDIATE USE IN THE EVENT OF A SPILL.
22. SPILLS ARE TO BE REPORTED IMMEDIATELY TO THE MOECC SPILLS ACTION CENTRE AT 1-800-268-6060.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEAN-UP AND RESTORATION, INCLUDING ALL COSTS, DUE TO THE RELEASE OF SEDIMENT FROM THE SITE.
24. LOW IMPACT DEVELOPMENT (LID) MEASURES ARE NOT TO BE USED AS SEDIMENT CONTROL DEVICES.
25. ADDITIONAL SEDIMENT CONTROL DEVICES MAY BE DEEMED NECESSARY AND AS SITE CONDITIONS CHANGE AND SHALL BE INSTALLED AS DIRECTED BY THE SITE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.

NO.	REVISION	DATE
1	SWM GUIDELINES UPDATE	06.2016

EROSION AND SEDIMENT CONTROL PLAN NOTES

DATE: 06.2016
SCALE: NTS
LSRCA ESC-1

2 EROSION SEDIMENT CONTROL NOTES
Section

NOTES:

-TREES APPROVED FOR REMOVAL MUST CLEARLY BE MARKED WITH A LETTER "R" USING ORANGE OR RED HIGH VISIBILITY SPRAY PAINT AT BREAST HEIGHT (1.4 M) AND AT THE BASE OF THE STEM (STUMP HEIGHT), PER YORK REGION'S STREET TREE AND FOREST PRESERVATION GUIDELINES (2016);
-TREE REMOVALS SHOULD OCCUR OUTSIDE OF APRIL 1 TO OCTOBER 1 SO AS NOT TO CONTRAVENE WITH THE BAT MATERNITY ROOSTING WINDOW AND MIGRATORY BIRD WINDOW (APRIL 1-OCTOBER 1);
-ANY NOT-NATURAL (HUMAN MADE) WASTE SHOULD BE REMOVED FROM THE SITE BEFORE SITE ALTERATION OCCURS;
-IF POSSIBLE, STUMPS AND ROOTS WITHIN THE 4 M TRANSITION ZONE SHOULD NOT BE GRUBBED TO ALLOW FOR NATURAL GROUNDCOVER REGENERATION FROM THE UNDISTURBED SEEDBACK;
-STRUCTURALLY SOUND TREE TRUNKS WITHIN THE 4 M TRANSITION ZONE SHOULD BE RETAINED TO PROVIDE ADDITIONAL WILDLIFE HABITAT FOR TERRESTRIAL SPECIES (E.G., BATS, INSECTS, BIRDS);
-TREE PROTECTION AND ESC MEASURES SHOULD BE INSTALLED PRIOR TO REMOVALS OF ANY PLANT MATERIALS. THESE MITIGATION MEASURES SHOULD BE INSPECTED ON A REGULAR BASIS TO ENSURE THEY ARE FUNCTIONING AS DESIGNED; AND
-A SPILL PREVENTION PLAN SHOULD BE IN PLACE PRIOR TO SITE ALTERATION TO MITIGATE AGAINST NEGATIVE IMPACTS TO RETAINED ECOLOGICAL FEATURES AND FUNCTIONS.

ENVIRONMENTAL NOTES

1) EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION, TO PREVENT ENTRY OF SEDIMENT INTO THE DRAINAGE SYSTEM. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

2) DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.

3) ALL BRIDGE WORK WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS IN PLACE AS PER THE DRAWINGS.

4) THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS.

5) AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS, AS WELL AS ON A REGULAR BASIS, OR FOLLOWING RAIN/SNOWMELT EVENT, TO MONITOR ALL WORKS, AND IN PARTICULAR WORKS RELATED TO EROSIONS AND SEDIMENT CONTROLS, DEWATERING OR UNWATERING, RESTORATION AND IN-OR NEAR- WATER WORKS.

6) ALL ACTIVITIES INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER.

7) THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS, SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFIXED ITEMS FROM THE REGIONAL STORM FLOOD PLAIN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, E.G., FUEL TANKS, PORTABLE POTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC.

8) NO EQUIPMENT OR VEHICLES ARE PERMITTED TO CROSS THROUGH THE WATERCOURSE UNLESS APPROVED BY LSRCA. REFER TO DRAWING C.1 FOR CONSTRUCTION ACCESS POINTS.

9) THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE CONSTRUCTION STAGING AND STOCK PILE AREA TO ENSURE THAT NO SEDIMENT WILL ENTER WATERCOURSE. THE CONSTRUCTION STAGING AREA IS TO BE MAINTAINED AND CLEANED ON A DAILY BASIS. STOCK PILES ARE TO BE STABILIZED USING TARPS EACH NIGHT AND ON WEEKENDS THROUGHOUT THE CONSTRUCTION PERIOD.

CONSTRUCTION NOTES

EXCAVATE SOILS ACCOMMODATE GRANULAR PROFILE AS PER DETAIL 2/L.4 WHERE REQUIRED BY GRADING PLANS

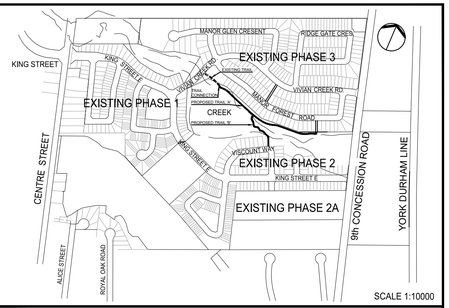
GRADE SOILS LEVEL TO ALLOW FOR PLACEMENT OF TENSAR GEOGRID BX1200, OR EQUAL, ON SURFACE OF SOILS PRIOR TO PLACEMENT OF GRANULAR AS PER DETAILS 8-9 SHEET L.5

ALL TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE.

CONTRACTOR IS TO REMOVE OVERHEAD BRANCHES FROM EXISTING TREES TO ALLOW FOR 4.0M CLEARANCE ABOVE PATHWAY. WORK SHALL BE COMPLETED BY A CERTIFIED ARBORIST.

THE CONTRACTOR IS TO ENSURE THAT NO SEDIMENT WILL ENTER THE WATERCOURSE. THE CONSTRUCTION STAGING AND STOCKPILE AREA IS TO BE MAINTAINED AND CLEANED ON A DAILY BASIS. STOCK PILES ARE TO BE STABILIZED USING TARPS EACH NIGHT AND ON WEEKENDS THROUGHOUT THE CONSTRUCTION PERIOD.

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE_____



KEY PLAN

No.	By	Date	Revision	By.	Ck.
3.	M.G.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G./R.B.
2.	A.L.	10-MAY-21	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

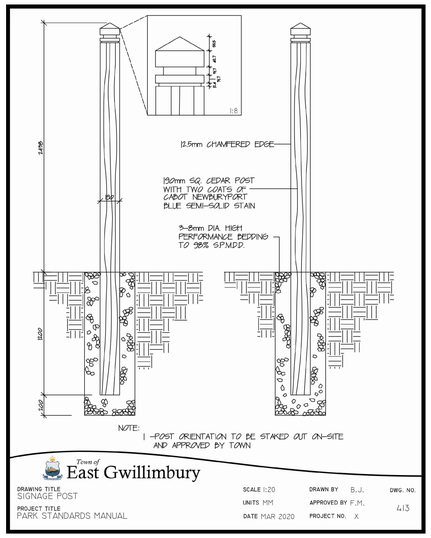
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — DAVID E. BRENNAN — OALA — MEMBER

TOWN OF EAST GWILLIMBURY

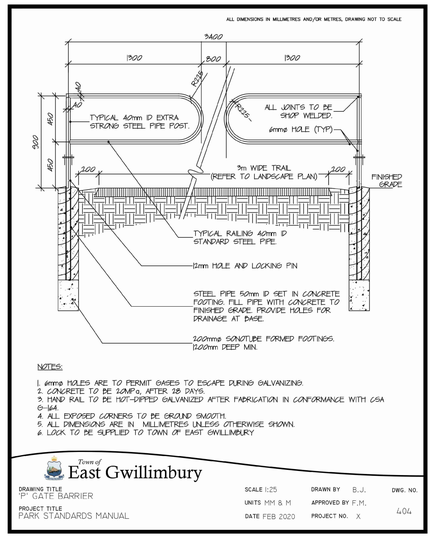
VICTORIA IN MOUNT ALBERT PHASE No.3

SEDIMENT CONTROL DETAILS & NOTES AND ENVIRONMENTAL NOTES

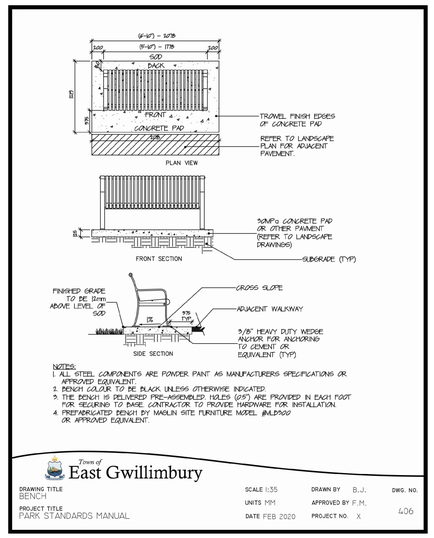
Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-4
Scale AS SHOWN	Date Issued NOV 2019		



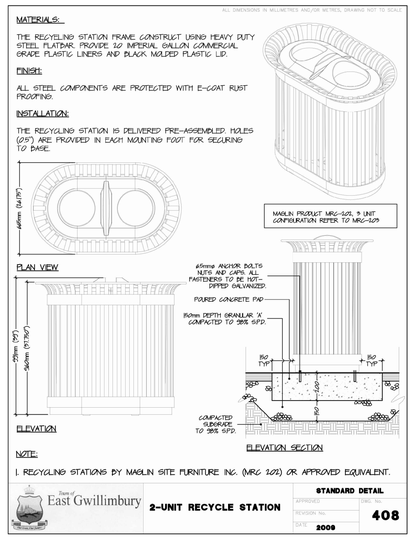
1 SIGN POST Section NTS



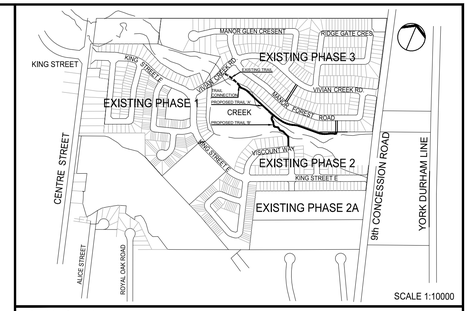
2 'P' GATE Section NTS



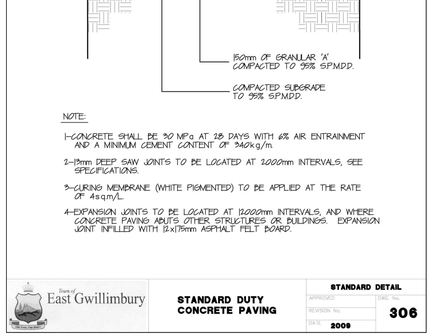
3 BENCH ON CONCRETE PAD Section NTS



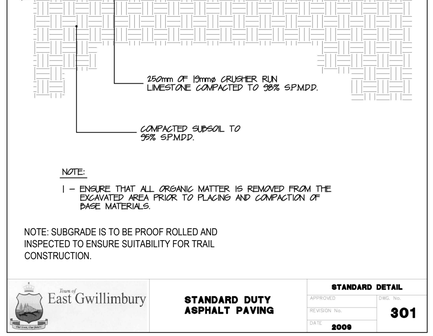
4 RECYCLE STATION Section NTS



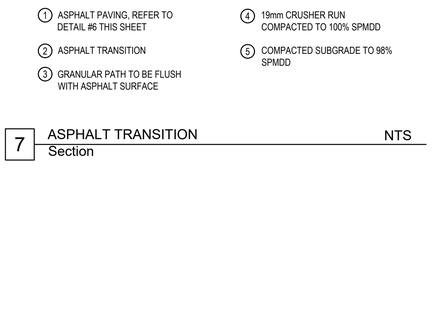
KEY PLAN



5 CONCRETE PAVING Section NTS

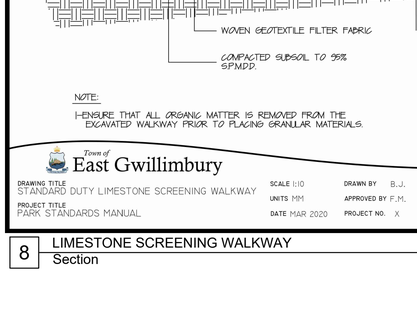


6 ASPHALT PAVING Section NTS

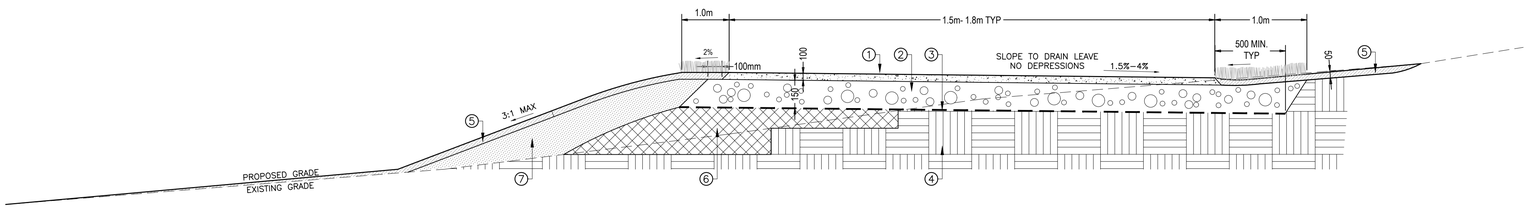


1. ASPHALT PAVING, REFER TO DETAIL #6 THIS SHEET
2. ASPHALT TRANSITION
3. GRANULAR PATH TO BE FLUSH WITH ASPHALT SURFACE
4. 19mm CRUSHER RUN COMPACTED TO 100% SPMDD
5. COMPACTED SUBGRADE TO 98% SPMDD

7 ASPHALT TRANSITION Section NTS



8 LIMESTONE SCREENING WALKWAY Section NTS



NOTE: SUBGRADE IS TO BE PROOF ROLLED AND INSPECTED TO ENSURE SUITABILITY FOR TRAIL CONSTRUCTION.

1. 100mm DEPTH LIMESTONE SCREENINGS COMPACTED TO 95% SPD
2. 150mm DEPTH 19mm CRUSHER RUN LIMESTONE COMPACTED TO 98% SPD
3. TENSAR GEOGRID (BX1200) OR APPROVED EQUAL. EXTEND A MINIMUM OF 0.5M BEYOND THE EDGE OF THE ASPHALT PATH
4. UNDISTURBED SUBGRADE
5. SOD AND/OR TERRASEEDING, REFER TO SHEET L 2 FOR TERRASEED MIX
6. COMPACTED APPROVED NATIVE SOIL OR GRANULAR 'B' AS REQUIRED AND AVAILABLE FROM SITE. IMPORTED SOILS WILL NOT BE AN ACCEPTABLE ALTERNATIVE MIN.
7. 200mm DEPTH OF EXISTING SITE SOILS OR GRANULAR 'A' (NO IMPORTED TOPSOIL)

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

9 LIMESTONE SCREENING WALKWAY - FILL LOCATIONS Section 1:20

No.	By	Date	Revision	By.	Ck.
3.	M.G.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	M.G./R.B.
2.	A.L.	10-MAY-21	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — DONALD E. BENNETT — OALA — MEMBER

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

DETAILS

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-5
Scale AS SHOWN	Date Issued NOV 2019		

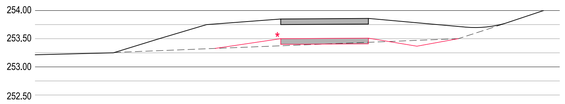
MT. ALBERT TRAIL
1 - TRAIL SECTIONS

TRAIL 'A'

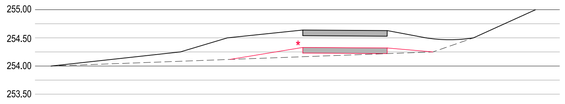
SECTION: A-A1 STA 0+000



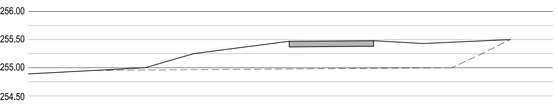
SECTION: B-B1 STA 0+050



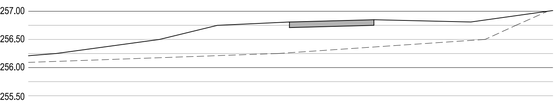
SECTION: C-C1 STA 0+100



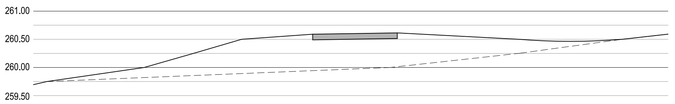
SECTION: D-D1 STA 0+150



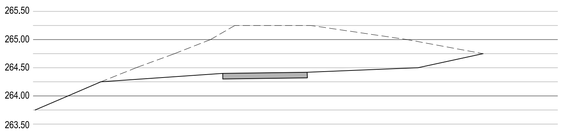
SECTION: E-E1 STA 0+200



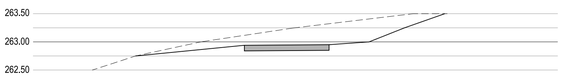
SECTION: F-F1 STA 0+250



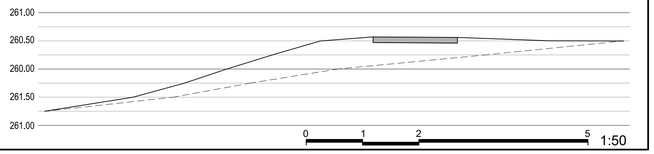
SECTION: G-G1 STA 0+300



SECTION: H-H1 STA 0+350



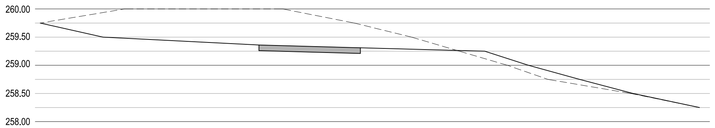
SECTION: I-I1 STA 0+400



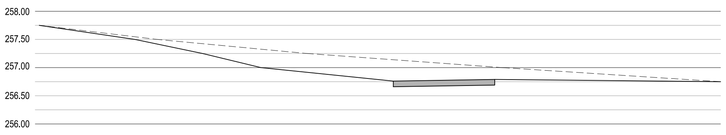
*ADJUSTMENT FOR REMOVAL OF CULVERT AND LOWER GRADE

TRAIL 'B'

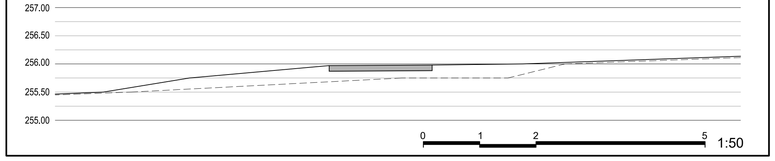
SECTION: J-J1 STA 0+020



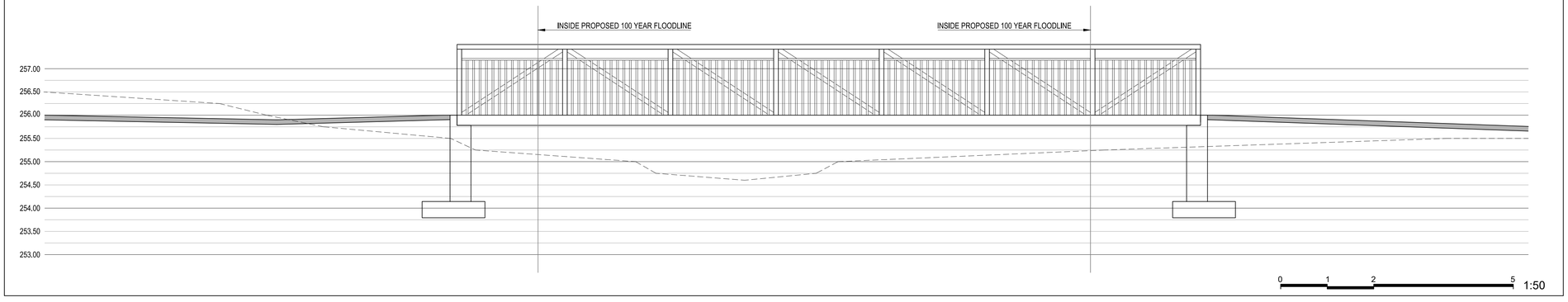
SECTION: K-K1 STA 0+055

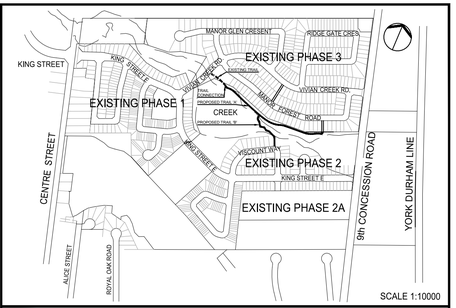


SECTION: L-L1 STA 0+110



TRAIL 'B' BRIDGE SECTION ELEVATION: M-M1 STA 0+067 TO STA 0+099





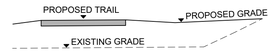
KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY-PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:



NOTES:

No.	Date	Revision	By.	Ck.
4.	04-MAR-22	ISSUED FOR LSRCA REVIEW	M.G.	R.B.
3.	06-DEC-21	ISSUED FOR LSRCA REVIEW	M.G.	R.B.
2.	10-MAY-21	ISSUED FOR REVIEW	A.L.	R.B.
1.	07-NOV-19	ISSUED FOR REVIEW	M.G.	R.B.

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE_____

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS
LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
DONALD E. BERRIGAN
Dec. 21
OALA
Reserved
MEMBER

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

TRAIL SECTIONS

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-6
Scale AS SHOWN	Date Issued AUG 2019		

VIEW 1

MANOR FOREST ROAD

VIVIAN CREEK ROAD

EXISTING CHAIN LINK FENCE TO REMAIN AND TO BE PROTECTED (TYP)

EXISTING PLANTING BED, BENCH, ARMOURSTONE AND TRASH RECEPTACLE TO REMAIN AND TO BE PROTECTED

EXISTING TRAIL ALIGNMENT

PROPOSED TRAIL ALIGNMENT

AREA OF DISTURBANCE: SOIL TO BE PREPARED FOR PLANTING AND SEEDING AS PER NOTE B.1. ON SHEET E2

VIEW 1

VIEW 2

VIEW 2

EXISTING CHAIN LINK FENCE TO REMAIN AND TO BE PROTECTED (TYP)

VIEW 1

VIEW 2

VIEW 3

PROPOSED TRAIL ALIGNMENT

AREA OF DISTURBANCE: SOIL TO BE PREPARED FOR PLANTING AND SEEDING AS PER NOTE B.1. ON SHEET E2

DSV TREATMENT AREA

1. Management for Dog-strangling Vine (DSV) shall follow the Ontario Invasive Plant Council (2012) Best Management Practices. Limits of imazapyr-based herbicide (i.e. Arsenal product) spray area will be determined by an ecologist in consultation with the selected herbicide contractor (certified professional). Spray treatment will occur using a backpack sprayer / wicker method in May and late summer for two consecutive years (Years 1 and 2). In early May of Year 3, the DSV treatment areas will be inspected by an ecologist - if DSV persists then spraying will recur in Year 3 as was done in Years 1 and 2. Spraying will not occur within or immediately adjacent to permanently wet areas. Should DSV stems be found in the latter areas then the root crown will be dug up manually for each specimen.
2. DSV plant material will be placed in black garbage bags, sealed and disposed of at a local landfill. DSV plant material will not be composted or left on site.
3. Native plantings will be installed within DSV treatment areas once DSV is fully removed.

50 meter Butternut habitat zone
No rototilling within 50m buffer of Category 3 Butternut stem. Plug-aerator can be used to restore any soil compaction within this buffer. If a tractor is needed to maneuver the plug-aerator, the vehicle will be equipped with wide, low-pressure tires to prevent further compaction. Once aerated, any noticeable depressions in the soil surface will be leveled with additional topsoil to ensure a natural grade is maintained; the topsoil taken from the permanent trail area will be used for this purpose.

PARK BENCH, GARBAGE CAN TO REMAIN AND BE PROTECTED

TRAIL

Key Map



Legend

- EXISTING CHAINLINK FENCE
- EXISTING TRAIL ALIGNMENT
- PROPOSED TRAIL ALIGNMENT
- SUBJECT PROPERTY
- PROPOSED REGIONAL FLOODLINE
- PROPOSED 100 YEAR FLOODLINE
- WATERCOURSE VIVIAN CREEK
- ESC FENCE - As per plan by JSW & Assoc.
- TREE PROTECTION FENCE - As per plan by JSW & Assoc.
- TEMPORARY FENCE
- SILT SOXX SEDIMENT BARRIER
- SOD AREA (BY OTHERS)
- TRAIL DISTURBANCE
- DSV TREATMENT AREA
- BUTTERNUT - CATEGORY 1
- BUTTERNUT - CATEGORY 3
- EXISTING DECIDUOUS TREE - TO BE PROTECTED
- EXISTING CONIFEROUS TREE - TO BE PROTECTED

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission – EIS

GEI Consultants
Savanta Division

Stamps:

Drawing Title:

Mt Albert Trail - Ecosystem Restoration Plan

Site Preparation Plan

Views 1&2 of 3

Drawn By (initials):	Checked By (Initials):
NJA	OR/HB

Date: 2021-05-06

Scale: 1:250

Drawing Number: E1

VIEW 3



DSV TREATMENT AREA

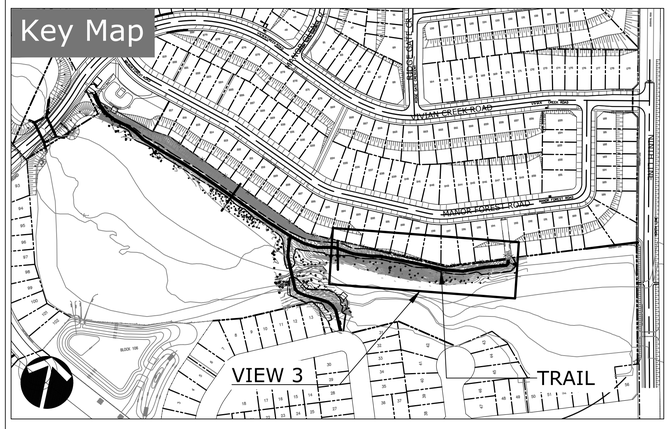
1. Management for Dog-strangling Vine (DSV) shall follow the Ontario Invasive Plant Council (2012) Best Management Practices. Limits of imazapyr-based herbicide (i.e. Arsenal product) spray area will be determined by an ecologist in consultation with the selected herbicide contractor (certified professional). Spray treatment will occur using a backpack sprayer / wicker method in May and late summer for two consecutive years (Years 1 and 2). In early May of Year 3, the DSV treatment areas will be inspected by an ecologist - if DSV persists then spraying will recur in Year 3 as was done in Years 1 and 2. Spraying will not occur within or immediately adjacent to permanently wet areas. Should DSV stems be found in the latter areas then the root crown will be dug up manually for each specimen.
2. DSV plant material will be placed in black garbage bags, sealed and disposed of at a local landfill. DSV plant material will not be composted or left on site.
3. Native plantings will be installed within DSV treatment areas once DSV is fully removed.

Legend

- EXISTING CHAINLINK FENCE
- EXISTING TRAIL ALIGNMENT
- PROPOSED TRAIL ALIGNMENT
- SUBJECT PROPERTY
- PROPOSED REGIONAL FLOODLINE
- PROPOSED 100 YEAR FLOODLINE
- WATERCOURSE VIVIAN CREEK
- ESC FENCE - As per plan by JSW & Assoc.
- TREE PROTECTION FENCE - As per plan by JSW & Assoc.
- TEMPORARY FENCE
- SILT SOXX SEDIMENT BARRIER
- SOD AREA (BY OTHERS)
- TRAIL DISTURBANCE
- DSV TREATMENT AREA
- BUTTERNUT - CATEGORY 1
- BUTTERNUT - CATEGORY 3
- EXISTING DECIDUOUS TREE - TO BE PROTECTED
- EXISTING CONIFEROUS TREE - TO BE PROTECTED

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

Key Map



Notes

A. GENERAL NOTES:

1. Any ambiguity in these drawings, errors, omissions and or change of conditions is to be reported to the Contract Administrator. Contractor is not to proceed in uncertainty.
2. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE LANDSCAPE ARCHITECT SHALL BE INFORMED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO CONTINUING WITH THE WORK.
3. ALL WORKMANSHIP TO CONFORM WITH THE STANDARDS OF THE ONTARIO LANDSCAPE CONTRACTOR'S ASSOCIATION AND LANDSCAPE ONTARIO'S SPECIFICATION STANDARDS
4. This drawing is to be read in conjunction with all other construction documents including other drawings, details, specifications, special provisions and amendments thereto. All elevations are in metres and all dimensions are in metric units.
5. The contractor shall be responsible for layout and survey control during construction.
6. Contractor to review layout of project on site with landscape architect prior to construction.
7. Construction access and staging areas are shown on drawings unless otherwise approved at pre-construction meeting
8. Contractor shall be permitted one (1) point of access as identified on the project erosion and sediment control drawings (Drawing L-4 prepared by JSW & Associates).
9. Contractor shall be required to have flag-person(s) to direct all deliveries of machinery and material to the site.
10. Contractor shall protect all property demarcation and iron bars. Any disturbed bars shall be replaced by owner at contractor's expense.
11. Storage of materials, equipment and vehicles shall not be permitted within municipal road allowance. Contractor must obtain city permits for road occupancy and must be in conformance to Book 7 roadway safety standards.
12. Contractor shall be responsible to clean roads and walkways daily to the satisfaction of the project manager.
13. Site shall be maintained in a clean and orderly state for the duration of construction and all work shall be performed in accordance with the Occupational Health and Safety Act.
14. All temporary protective fencing including erosion sediment control fencing shall be maintained by the contractor to the satisfaction of the project manager for the duration of the construction.
15. All existing vegetation to be protected under this contract shall be secured by the contractor for the duration of the contract. Any damages incurred to be rectified at the cost to the contractor.
16. All existing utilities shown on the drawings are for reference only. The contractor shall contact utility companies for utility stakeouts and locates. The contractor shall be responsible for the repair to any damages caused to existing utilities during construction.
17. Contractor to preserve and protect all existing utilities.
18. All construction to be carried out in accordance to the most current provincial and municipal standards and specifications.
19. All areas disturbed during construction to be restored with 300mm topsoil or hydric soil as applicable along with appropriate native seed mix and cover crop to the satisfaction of the project manager.
20. Contractor to repair all damages to hard surfaces to the satisfaction of the project manager, at no additional cost to the owner.
21. Contractor shall take all necessary measures to control dust on the project site on a daily basis.
22. Savanta Inc. cannot guarantee the accuracy of the information as provided on the survey. Any and all liabilities for damage direct or indirect, however caused and resulting in anyway by the use of the supplied data shown on the survey is the full responsibility of the user.
23. Landscaping contractor to provide 72 hours' notice to the ecologist and landscape architect if species, size and/or quantity is not available (for groundcover seed mix, cover crop, trees or shrubs), and substitutions are needed. Ecologist to identify suitable substitutions and stock size adjustments and have these substitutions approved by LSRCA and the Town.
24. Forty-eight (48) hours' notice is to be given by the landscaping contractor to the ecologist and landscape architect before an area is to be planted with groundcover (native seed mix, cover crop), trees and/or shrubs so that the following tasks can be completed:
    - Ecologist to review layout of tree / shrub material prior to installation; and
    - Ecologist to review seed ticket(s) (for native seed mix and cover crop) showing scientific names and percent of seed mix per species prior to application.

B. SITE PREPARATION NOTES:

1. Topsoil Preparation and Testing
    1. Backfill in all planting areas to consist of soil native to the site or general soil type/class native to the site unless otherwise detailed or specified. Existing and imported soil to be tested at an accredited soil testing laboratory. The lab will advise on soil amendments needed for healthy vegetative growth.
    2. Finish grading soil surface within native seed mix / cover crop planting areas will be scarified to 30cm depth, see note5 below regarding topsoil within tree/shrub beds.
    3. No rototilling will occur within a 50m buffer around the Category 3 Butternut stem. See note on pageE3.
    4. Topsoil depths within planting beds should have a minimum depth of 30 cm. The subsoil below the topsoil layer should be scarified to a minimum of 10 cm with some incorporation of the upper material to avoid stratified layers. This will help to produce a total uncompacted soil depth of around 40 cm depth. Within tree pits (areas where trees will be planted), trees should have a topsoil layer of a minimum depth of 60 cm. The subsoil layer should be either tilled, scarified or excavated and replaced to a minimum depth of 30 cm.
    5. The topsoil shall exhibit characteristics listed below, or a sample shall be submitted to an accredited soil testing laboratory and amended (if/as needed) to support healthy vegetative growth.
        a. Thoroughly blended and friable, consisting of 40% sand, 40% silt and 20% clay
        b. pH of 6.2 to 7.2
        c. Free from subsoil, roots, vegetation, debris, toxic materials, stones over 50 mm diameter
        d. Contain minimum 4% organic matter for clay loams and 4% sandy loams
    6. Contractor to provide a soil report to verify the compliance of composition of topsoil soils as per specification above (note 5).

C. TREE AND SHRUB PLANTING NOTES:

1. Planting Procedure
    1. Bare root plant materials may be used in place of potted if seasonably available from nursery.
    2. All biodegradable stakes and ties are to remain in place. Pressure treated stakes shall not be used.
    3. Set planting beds minimum 3.0m from residential lot lines and trails (typical) unless noted otherwise.
    4. For a given shrub or tree mix no more than six individuals of the same shrub or tree species can be planted in a group or line. A "cluster" must contain no more than 3 individuals of the same species.
    5. Provide 1.2m biodegradable trunk protectors for all deciduous whips and caliper trees. Shrubs with a single stem will also be fitted with a suitably sized (i.e. covering the trunk and leaving leaf bearing branches open to sunlight) trunk protector.
    6. Contractor to provide all materials, labour, equipment to supply and install plants as per details, drawings and specifications.
    7. All plant material will be installed as per quantities and details specified on Landscape Plan.
    8. Each tree and/or shrub bed will be arranged to provide a scattered intermix of species. No more than three individuals of one species (tree or shrub) will be planted together in a line or cluster.
    9. When a bed is not located against a retained woodland / wetland edge than the shrubs will be dispersed throughout the bed, including along the perimeter of the bed. When a bed is placed adjacent to a retained woodland / wetland limit then larger stock will be placed beside the retained feature limit and smaller stock will be situated on the side of the bed that faces away from the retained feature.
    10. All plants must be from local seed source, locally grown native nursery stock, and of the specified size and species; no cultivars will be accepted. Plant material must be sourced from the hardiness zone of the contract or the southern adjacent hardiness zone.
    11. All plant material to be delivered to the site in good condition and will be subject to inspection prior to installation.
    12. Plant material shall be considered acceptable when it is turgid, structurally sound, shows adequate growth and formation of buds, and is free from blight or disease of any description.
    13. The contract administrator has the right to reject any plant material that is not considered acceptable for any reason whatsoever.
    14. Rejected plant material will be returned to the nursery and replaced at the contractor's expense.
    15. Non-composted pine bark mulch will be applied at 75mm depth to all tree and shrub beds. The mulch must be free of weeds, seeds, inorganic, and toxic materials.
2. Maintenance and Warranty
    1. Watering as required to promote healthy growth. For all plant material, water thoroughly in late fall prior to freeze up to saturate soil around root system.
    2. Final inspection to occur after the 2nd year on plant material. Depending on the nature of replacements required, extended warranties may apply. Replacements shall be made within 30 days from the date of inspection unless otherwise directed by the landscape architect. Contractor is responsible to maintain watering, trimming, and replacement of dead material (withiln 2 weeks) during warranty period.

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission – EIS

GEI Consultants
Savanta Division

Stamps:

Drawing Title:

Mt Albert Trail - Ecosystem Restoration Plan

Site Preparation Plan

View 3 of 3

Drawn By (initials):	Checked By (Initials):
NJA	OR/HB

Date: 2021-05-06

Scale: 1:250

Drawing Number: E2

VIEW 1

MANOR FOREST ROAD

VIVIAN CREEK ROAD

EXISTING CHAIN LINK FENCE TO REMAIN AND TO BE PROTECTED (TYP)

EXISTING PLANTING BED, BENCH, ARMOURSTONE AND TRASH RECEPTACLE TO REMAIN AND TO BE PROTECTED

EXISTING TRAIL ALIGNMENT

PROPOSED TRAIL ALIGNMENT

REFORESTATION NODE - NARROW, SEE DETAILS SHEET E5 AND NOTE C ON SHEET E2

TREE NODE - TRAIL, SEE DETAILS SHEET E5 AND NOTE C ON SHEET E2

NODE TREES TO BE SPREAD UP AND DOWN THE PATHWAY REMAINING INSIDE AREA OF DISTURBANCE

VIEW 1

VIEW 2

VIEW 2

EXISTING CHAIN LINK FENCE TO REMAIN AND TO BE PROTECTED (TYP)

VIEW 1

VIEW 2

VIEW 3

PROPOSED TRAIL ALIGNMENT

REFORESTATION NODE - NARROW, SEE DETAILS SHEET E5, NOTE C ON SHEET E2, AND TABLES ON SHEET E4

THORNY SHRUB BARRIER NODE, SEE DETAILS SHEET E5, NOTE C ON SHEET E2, AND TABLES ON SHEET E4

REFORESTATION NODE, SEE DETAILS SHEET E5, NOTE C ON SHEET E2, AND TABLES ON SHEET E4.

PLANTING IN DSV TREATEMENT AREA TO OCCUR AFTER DSV CONTROL HAS BEEN COMPLETED

PARK BENCH, GARBAGE CAN REFER TO JSW & ASSOCIATES LANDSCAPE DRAWINGS

50 meter Butternut habitat zone
No rototilling within 50m buffer of Category 3 Butternut stem. Plug-aerator can be used to restore any soil compaction within this buffer. If a tractor is needed to maneuver the plug-aerator, the vehicle will be equipped with wide, low-pressure tires to prevent further compaction. Once aerated, any noticeable depressions in the soil surface will be leveled with additional topsoil to ensure a natural grade is maintained; the topsoil taken from the permanent trail area will be used for this purpose.

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

Key Map



Legend

- PROPOSED TRAIL ALIGNMENT
- SUBJECT PROPERTY
- PROPOSED REGIONAL FLOODLINE
- PROPOSED 100 YEAR FLOODLINE
- WATERCOURSE VIVIAN CREEK
- ESC FENCE - As per plan by JSW & Assoc.
- TREE PROTECTION FENCE - As per plan by JSW & Assoc.
- TEMPORARY FENCE
- SILT SOXX SEDIMENT BARRIER
- SOD AREA (BY OTHERS)
- UPLAND MEADOW SEED MIX - (CVC1, 2018) TRAIL DISTURBANCE AND DSV TREATMENT AREAS
- LOWLAND SEED MIX - (CVC3, 2018 DSV TREATMENT AREA)
- BUTTERNUT - CATEGORY 1
- BUTTERNUT - CATEGORY 3
- A, B, C — Reforestation Node - Trail
- A, B, C — Reforestation Node - Narrow
- D, E, F — Tree Node - Trail
- G, H — Thorny Shrub Barrier Node - Trail
- A, B, C-L — Reforestation Node - DSV Treatment Area
- G, H — Thorny Shrub Barrier Node - DSV Treatment Area

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission – EIS

GEI Consultants
Savanta Division

Stamps:

Drawing Title:

Mt Albert Trail - Ecosystem Restoration Plan

Planting Plan

Views 1&2 of 3

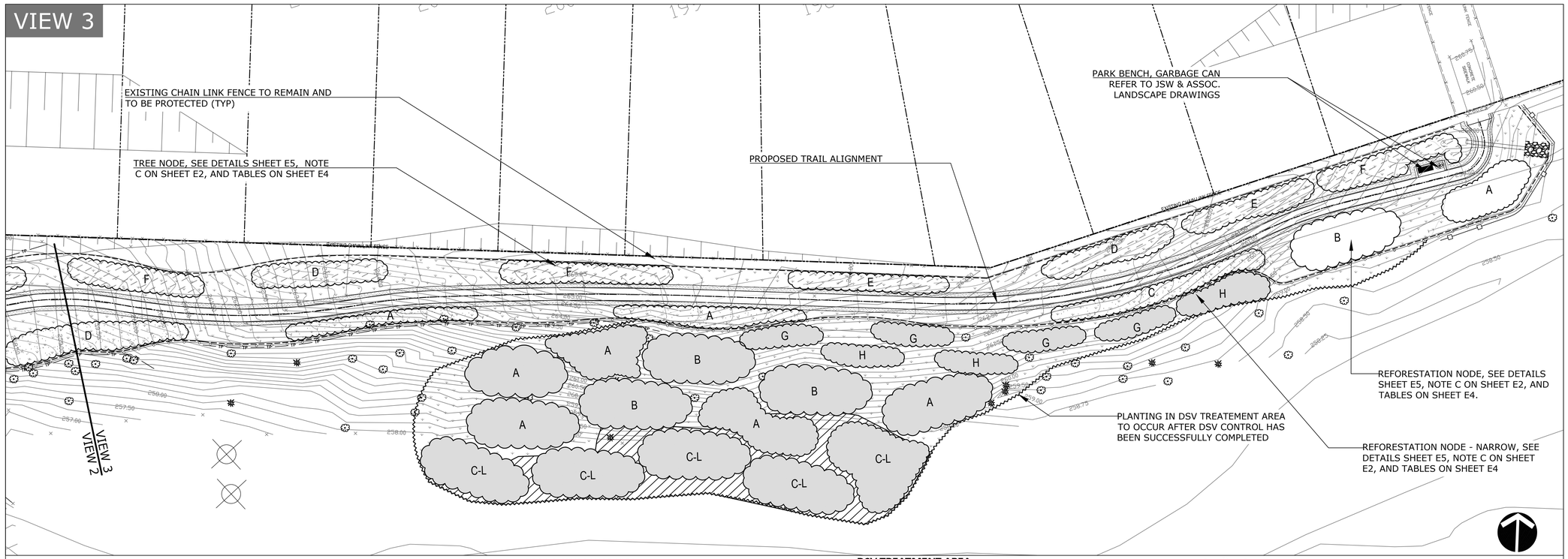
Drawn By (initials):	Checked By (Initials):
NJA	OR/HB

Date: 2021-05-06

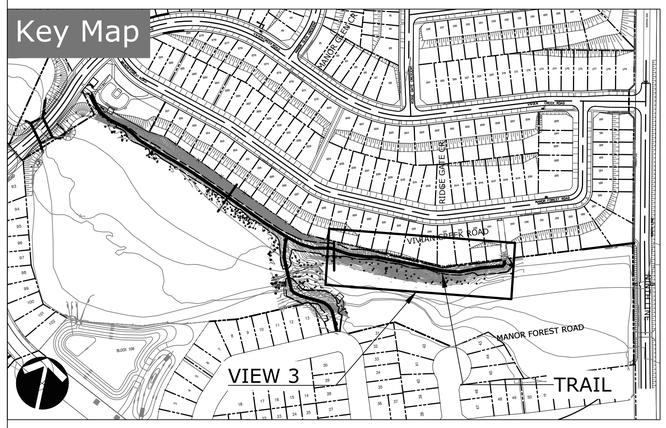
Scale: 1:250

Drawing Number: E3

VIEW 3



Key Map



Planting Targets

Trail Disturbance Area

Target Range	Units	Plantable Area (m2)	Tree/Shrub Target	Proposed
5	trees/100 m2	3400	170	284
10	trees/100 m2	3400	340	
20	shrubs/100 m2	3400	680	681
40	shrubs/100 m2	3400	1360	
			Total:	965

DSV Treatment Area

Target Range	Units	Plantable Area (m2)	Tree/Shrub Target	Proposed
5	trees/100 m2	1765	88	100
10	trees/100 m2	1765	177	
20	shrubs/100 m2	1765	353	355
40	shrubs/100 m2	1765	706	
			Total:	455

TRAIL DISTURBANCE AREA

Node Quantities (Trail)

Node Type	Node Quantity	Tree Quantity	Shrub Quantity
Reforestation Nodes			
A	7	42	98
B	5	40	60
C	7	56	84
Tree Nodes			
D	5	45	
E	5	45	
F	5	50	
	Total Trees:	278	
Thorny Barrier Nodes			
G	9	n/a	225
H	8	n/a	200
	Total Shrubs:		667
		Total:	945

Node Composition (Trail)

Reforestation Nodes - Trail

A

Common Name	Scientific Name	Size	Percentage	Quantity
Eastern Hemlock	*Tsuga canadensis*	100 cm potted / bb	10%	2
Eastern White Cedar	*Thuja occidentalis*	150 cm potted / bb	10%	2
Basswood	*Tilia americana*	40 mm caliper	10%	2
Bush Honeysuckle	*Dievilla lonicera*	40 cm potted	25%	5
Common Blackberry	*Rubus allegheniensis*	40 cm potted	20%	4
Alternate-leaved Dogwood	*Cornus alternifolia*	40 cm potted	25%	5

B

Common Name	Scientific Name	Size	Percentage	Quantity
Northern Red Oak	*Quercus rubra*	100 cm potted	10%	2
Black Cherry	*Prunus serontina*	100 cm potted	10%	2
White Pine	*Pinus strobus*	150 cm potted / bb	10%	2
Large-toothed Aspen	*Populus grandidentata*	40 mm caliper	10%	2
Red Raspberry	*Rubus idaeus*	40 cm potted	20%	4
Grey Dogwood	*Cornus foemina*	40 cm potted	15%	3
Nannyberry	*Viburnum lentago*	40 cm potted	25%	5

C

Common Name	Scientific Name	Size	Percentage	Quantity
Sugar Maple	*Acer saccharum ssp. saccharum*	100 cm potted	10%	2
White Birch	*Betula pendula*	40 mm caliper	10%	2
Trembling Aspen	*Populus tremuloides*	40 mm caliper	10%	2
Eastern Cottonwood	*Populus deltoides*	40 mm caliper	10%	2
Grey Dogwood	*Cornus foemina*	40 cm potted	15%	3
Nannyberry	*Viburnum lentago*	40 cm potted	10%	2
Common Elderberry	*Sambucus canadensis*	40 cm potted	15%	3
Choke Cherry	*Prunus virginiana var. virginiana*	40 cm potted	20%	4

Tree Node - Trail

D

Common Name	Scientific Name	Size	Percentage	Quantity
Eastern Hemlock	*Tsuga canadensis*	100 cm potted / bb	20%	2
Eastern White Cedar	*Thuja occidentalis*	150 cm potted / bb	36%	3
Basswood	*Tilia americana*	40 mm caliper	24%	2
Ironwood	*Ostrya virginiana*	100 cm potted	20%	2

E

Common Name	Scientific Name	Size	Percentage	Quantity
Northern Red Oak	*Quercus rubra*	100 cm potted	32%	3
Black Cherry	*Prunus serontina*	100 cm potted	20%	2
White Pine	*Pinus strobus*	150 cm potted / bb	24%	2
Large-toothed Aspen	*Populus grandidentata*	40 mm caliper	24%	2

F

Common Name	Scientific Name	Size	Percentage	Quantity
Sugar Maple	*Acer saccharum ssp. saccharum*	100 cm potted	32%	3
White Birch	*Betula pendula*	40 mm caliper	20%	2
Trembling Aspen	*Populus tremuloides*	40 mm caliper	28%	3
Eastern Cottonwood	*Populus deltoides*	40 mm caliper	20%	2

Thorny Barrier Nodes - Trail

G

Common Name	Scientific Name	Size	Percentage	Quantity
Red Raspberry	*Rubus idaeus*	40 cm potted	20%	5
Flowering Raspberry	*Rubus odoratus*	40 cm potted	32%	8
Smooth Wild Rose	*Rosa blanda*	40 cm potted	20%	5
Grey Dogwood	*Cornus foemina*	40 cm potted	28%	7

H

Common Name	Scientific Name	Size	Percentage	Quantity
Common Blackberry	*Rubus allegheniensis*	40 cm potted	32%	8
Black Raspberry	*Rubus occidentalis*	40 cm potted	28%	7
Prickly Gooseberry	*Ribes cynosbati*	40 cm potted	20%	5
Choke Cherry	*Prunus virginiana var. virginiana*	40 cm potted	20%	5

INDIVIDUAL DECIDUOUS TREES

G

Common Name	Scientific Name	Size	Percentage	Quantity
Sugar Maple	*Acer saccharum*	40 mm caliper	100%	4

DSV TREATMENT AREA

Node Quantities (DSV)

Node Type	Node Quantity	Tree Quantity	Shrub Quantity
Reforestation Nodes			
A	6	36	84
B	3	24	36
C-L	5	40	60
	Total Trees:	100	
Thorny Barrier Nodes			
G	4	n/a	100
H	3	n/a	75
	Total Shrubs:		355
		Total:	455

Node Composition (DSV)

Reforestation Nodes - DSV

A

Common Name	Scientific Name	Size	Percentage	Quantity
Eastern Hemlock	*Tsuga canadensis*	100 cm potted / bb	10%	2.00
Eastern White Cedar	*Thuja occidentalis*	150 cm potted / bb	10%	2.00
Basswood	*Tilia americana*	40 mm caliper	10%	2.00
Bush Honeysuckle	*Dievilla lonicera*	40 cm potted	25%	5.00
Common Blackberry	*Rubus allegheniensis*	40 cm potted	20%	4.00
Alternate-leaved Dogwood	*Cornus alternifolia*	40 cm potted	25%	5.00

B

Common Name	Scientific Name	Size	Percentage	Quantity
Northern Red Oak	*Quercus rubra*	100 cm potted	10%	2.00
Black Cherry	*Prunus serontina*	100 cm potted	10%	2.00
White Pine	*Pinus strobus*	150 cm potted / bb	10%	2.00
Large-toothed Aspen	*Populus grandidentata*	40 mm caliper	10%	2.00
Red Raspberry	*Rubus idaeus*	40 cm potted	20%	4.00
Grey Dogwood	*Cornus foemina*	40 cm potted	15%	3.00
Nannyberry	*Viburnum lentago*	40 cm potted	25%	5.00

C-L*

Common Name	Scientific Name	Size	Percentage	Quantity
Eastern White Cedar*	*Thuja occidentalis*	150 cm potted / bb	10%	2
White Birch	*Betula pendula*	40 mm caliper	10%	2
Trembling Aspen	*Populus tremuloides*	40 mm caliper	10%	2
Eastern Cottonwood	*Populus deltoides*	40 mm caliper	10%	2
Red Osier Dogwood	*Cornus stolonifera*	40 cm potted	15%	3
Nannyberry	*Viburnum lentago*	40 cm potted	10%	2
Red Elderberry*	*Sambucus racemosa*	40 cm potted	15%	3
Choke Cherry	*Prunus virginiana var. virginiana*	40 cm potted	20%	4

*The same as Node C, but with substitutions for species suitable for lowland planting

Thorny Barrier Nodes - DSV

G

Common Name	Scientific Name	Size	Percentage	DSV Area Qtty
Red Raspberry	*Rubus idaeus*	40 cm potted	25%	6
Flowering Raspberry	*Rubus odoratus*	40 cm potted	25%	6
Smooth Wild Rose	*Rosa blanda*	40 cm potted	20%	5
Grey Dogwood	*Cornus foemina*	40 cm potted	30%	8

H

Common Name	Scientific Name	Size	Percentage	DSV Area Qtty
Common Blackberry	*Rubus allegheniensis*	40 cm potted	30%	8
Black Raspberry	*Rubus occidentalis*	40 cm potted	25%	6
Prickly Gooseberry	*Ribes cynosbati*	40 cm potted	20%	5
Choke Cherry	*Prunus virginiana var. virginiana*	40 cm potted	25%	6

Seeding Area

Sod area not included in seed area calculations.

Area Description	Area (m2)
Trail Disturbance - UPLAND	3400
Dog-Strangling Vine Treatment - UPLAND	1300
Dog-Strangling Vine Treatment - LOWLAND	465

CVC1 (2018) Upland Mix

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

CVC3 (2018) Lowland Restoration Mix

Common Name	Latin Name	Percent of Seed Mix (%)
Canada Anemone	*Anemone canadensis*	1
Nodding Beggerstick	*Bidens cernua*	1
Fox Sedge	*Carex vulpinoidea*	25
Virginia Wildrye	*Elymus virginicus var. virginicus*	25
Spotted Joe Pye Weed	*Eutrochium maculatum var. maculatum*	1
Soft Rush	*Juncus effusus ssp. solutus*	5
Path Rush	*Juncus tenuis*	5
Fowl Bluegrass	*Poa palustris*	25
Dark-green Bulrush	*Scirpus atrovirens*	5
New England Aster	*Symphyotrichum novae-angliae*	1
Swamp Aster	*Symphyotrichum puniceum*	1
Blue Vervain	*Verbena hastata*	5

Nurse/Cover Crop Seed Mix*

Common Name		Percent of Mix (%)
Canada Wild Rye	*Elymus canadensis*	15
Buckwheat	*Fagopyrum esculentum*	40
Barley	*Hordeum vulgare*	45

*To be used with both native seed mixes.

Seeding Notes

1. Hydroseed as per OPSS 804 substituting the above seed mixes for those in the standards specification
2. Seeding will not take place during the drought prone period of June-August unless adequate irrigation
3. Mix 1 part Native Seed Mix with 2 parts Cover Crop and spread evenly over area to be seeded.
4. NATIVE SEED MIX Seeding rate: 25 kg/ha

Legend

- PROPOSED TRAIL ALIGNMENT
- SUBJECT PROPERTY
- PROPOSED REGIONAL FLOODLINE
- PROPOSED 100 YEAR FLOODLINE
- WATERCOURSE VIVIAN CREEK
- ESC FENCE - As per plan by JSW & Assoc.
- TREE PROTECTION FENCE - As per plan by JSW & Assoc.
- TEMPORARY FENCE
- SILT SOXX SEDIMENT BARRIER
- SOD AREA (BY OTHERS)
- UPLAND MEADOW SEED MIX - (CVC1, 2018) TRAIL DISTURBANCE AND DSV TREATMENT AREAS
- LOWLAND SEED MIX - (CVC3, 2018 DSV TREATMENT AREA)
- BUTTERNUT - CATEGORY 1
- BUTTERNUT - CATEGORY 3
- A, B, C — Reforestation Node - Trail
- A, B, C — Reforestation Node - Narrow
- D, E, F — Tree Node - Trail
- G, H — Thorny Shrub Barrier Node - Trail
- A, B, C-L — Reforestation Node - DSV Treatment Area
- G, H — Thorny Shrub Barrier Node - DSV Treatment Area

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission – EIS

GEI Consultants
Savanta Division

Stamps:

Drawing Title:

Mt Albert Trail - Ecosystem Restoration Plan

Planting Plan

View 3 of 3

Drawn By (initials):	Checked By (Initials):
NJA	OR/HB

Date: 2021-05-06

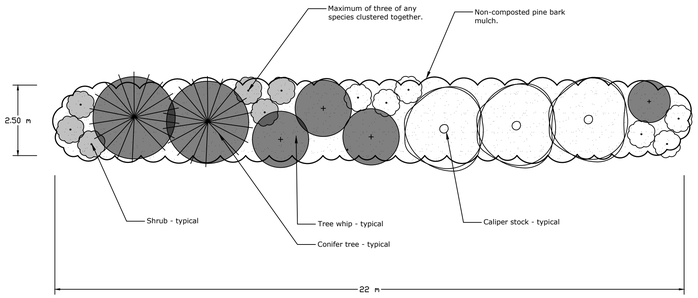
Scale: 1:250

Drawing Number: E4

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY

SIGNATURE_____

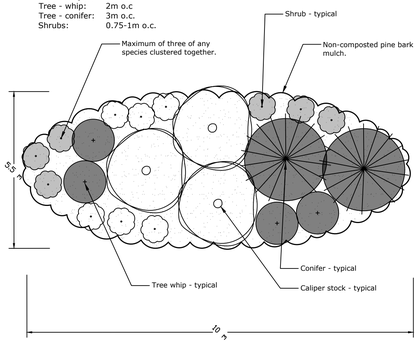
Spacing:
Tree - caliper: 3m o.c.
Tree - whip: 2m o.c
Tree - conifer: 3m o.c.
Shrubs: 0.75-1m o.c.



Notes:
1. See Node Composition Table for species quantities.
2. Node to receive 75mm non-composted pine bark mulch throughout 55 square meter area.
3. Plants to be installed as per typical planting detail for each type of plant.
4. Spacing to be consistent with notes at top of node detail. Changes to spacing to be confirmed with the Ecologist.
5. Each tree and/or shrub bed will be arranged to provide a scattered intermix of species. No more than three individuals of one species (tree or shrub) will be planted together in a line or cluster.
6. When a node is not located against a retained woodland / wetland edge than the shrubs will be dispersed throughout the node including along the perimeter. When a node is placed adjacent to a retained woodland / wetland limit then larger stock will be placed beside the retained feature limit and smaller stock will be situated on the side of the node that faces away from the retained feature.

ES 1 Reforestation Node - Narrow*

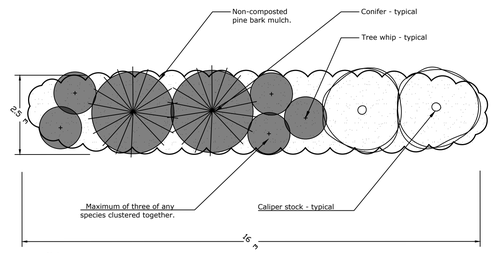
Spacing:
Tree - caliper: 3m o.c.
Tree - whip: 2m o.c
Tree - conifer: 3m o.c.
Shrubs: 0.75-1m o.c.



Notes:
1. See Node Composition Table for species quantities.
2. Node to receive 75mm non-composted pine bark mulch throughout 55 square meter area.
3. Plants to be installed as per typical planting detail for each type of plant.
4. Spacing to be consistent with notes at top of node detail. Changes to spacing to be confirmed with the Ecologist.
5. Each tree and/or shrub bed will be arranged to provide a scattered intermix of species. No more than three individuals of one species (tree or shrub) will be planted together in a line or cluster.
6. When a node is not located against a retained woodland / wetland edge than the shrubs will be dispersed throughout the node including along the perimeter. When a node is placed adjacent to a retained woodland / wetland limit then larger stock will be placed beside the retained feature limit and smaller stock will be situated on the side of the node that faces away from the retained feature.

ES 2 Reforestation Node*

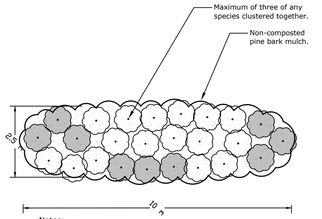
Spacing:
Tree - caliper: 3m o.c.
Tree - whip: 2m o.c
Tree - conifer: 3m o.c.



Notes:
1. See Node Composition Table for species quantities.
2. Node to receive 75mm non-composted pine bark mulch throughout 40 square meter area.
3. Plants to be installed as per typical planting detail for each type of plant.
4. Spacing to be consistent with notes at top of node detail. Changes to spacing to be confirmed with the Ecologist.
5. Each tree and/or shrub bed will be arranged to provide a scattered intermix of species. No more than three individuals of one species (tree or shrub) will be planted together in a line or cluster.
6. When a node is not located against a retained woodland / wetland edge than the shrubs will be dispersed throughout the node including along the perimeter. When a node is placed adjacent to a retained woodland / wetland limit then larger stock will be placed beside the retained feature limit and smaller stock will be situated on the side of the node that faces away from the retained feature.

ES 3 Tree Node - Trail*

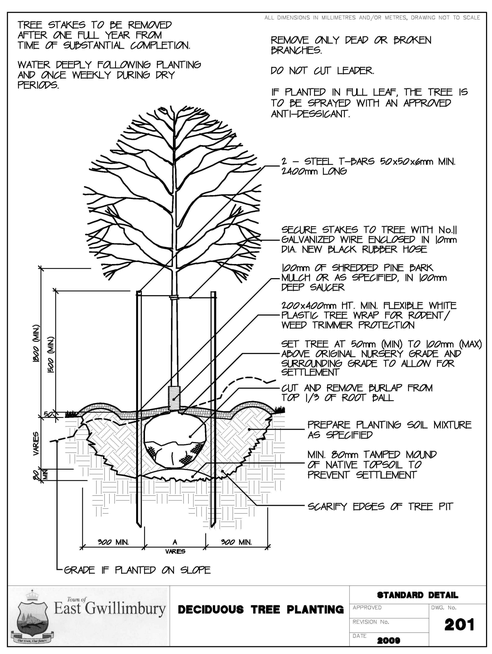
Spacing:
Shrubs: 0.75-1.0m o.c.

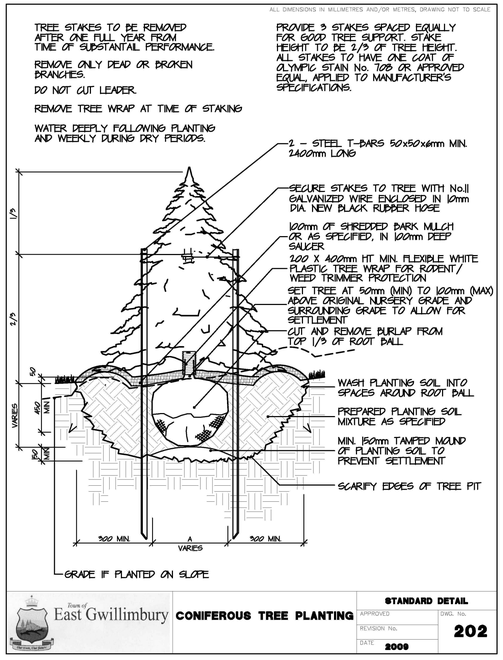


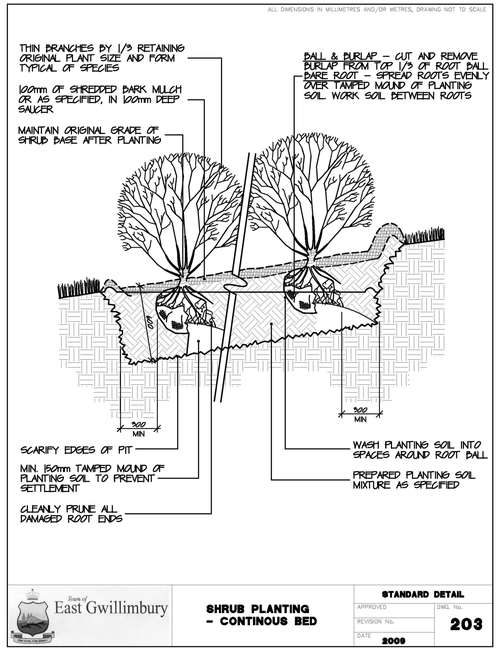
Notes:
1. See Node Composition Table for species quantities.
2. Node to receive 75mm non-composted pine bark mulch throughout 25 square meter area.
3. Plants to be installed as per typical planting detail for each type of plant.
4. Spacing to be consistent with notes at top of node detail. Changes to spacing to be confirmed with the Ecologist.
5. Each tree and/or shrub bed will be arranged to provide a scattered intermix of species. No more than three individuals of one species (tree or shrub) will be planted together in a line or cluster.
6. When a node is not located against a retained woodland / wetland edge than the shrubs will be dispersed throughout the node including along the perimeter. When a node is placed adjacent to a retained woodland / wetland limit then larger stock will be placed beside the retained feature limit and smaller stock will be situated on the side of the node that faces away from the retained feature.

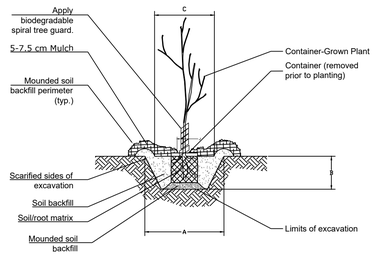
ES 4 Thorny Barrier Planting Node*

* NODES ARE TO BE ARRANGED TO SUIT SITE CONDITIONS AND AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT/ECOLOGIST









Notes:
1. Container grown seedlings and whips will be used if bare root tree seedlings and whips are not seasonally available from nursery.
2. Remove all containers, fibre pots, burlap, tape, and identification labels prior to planting.
3. Planting includes, tree guards, mycorrhizae (AMF) fungus, and non-composted pine bark mulch.
4. The following shall apply to determine dimensions A, B, and C: A: Twice the width of the roots; B: 10-15 cm beyond depth of root ball; C: CocoDisk sized appropriately to extend minimum of 7.5 cm beyond limits of roots.
5. Mulch shall not come in contact with bark at base of stem.
6. Top of root ball will be aligned with surrounding grade.
7. Mycorrhizal fungi supplied by contractor will be added to each planting hole or watered in.
8. Air pockets will be elimnated by backfilling in lifts of 10-20 cm and tamping gently prior to adding next lift.

ES 7 Container Grown Tree Whip Planting Detail

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

Legend

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission - EIS

GEI Consultants
Savanta Division

Stamps:

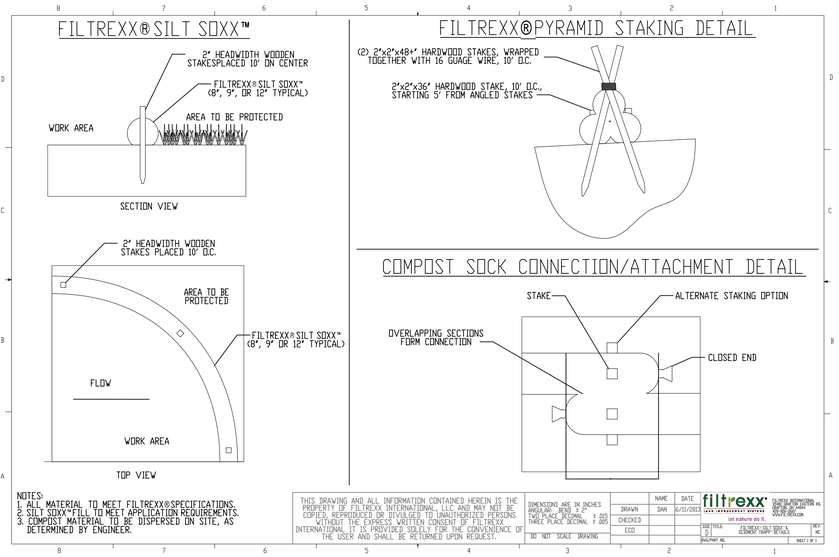
Drawing Title:
Mt Albert Trail - Ecosystem Restoration Plan
Details 1 of 2

Drawn By (initials): NJA
Checked By (Initials): OR/HB

Date: 2021-05-06

Scale: N.T.S.

Drawing Number: E5



NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. SILT SOXX™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF FILTREXX INTERNATIONAL, LLC AND MAY NOT BE COPIED, REPRODUCED OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF FILTREXX INTERNATIONAL. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.

DIMENSIONS ARE IN INCHES
ANGULAR: MEND ±2°
TWO PLACE DECIMAL ± .015
THREE PLACE DECIMAL ± .005
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	DAN	6/11/2013
CHECKED		
ECO		

filtrexx SOLUTIONS
let nature do it.
FILTREXX INTERNATIONAL 9954 MAYFIELD RD. SUITE 101 CHESTERLAND, OH 44026 SOLVE.WELL.COM

SIZE B | TITLE: FILTREXX SILT SOXX™ & SEDIMENT TRAP DETAILS | REV: NC
DRAWING NO. | SHEET 1 OF 1

Master Plant List

Common Name	Scientific Name	Size / Format	Sub-Total Trail Area	Sub-Total DSV Area	% Composition	Total
Alternate-leaved Dogwood	*Cornus alternifolia*	40 cm potted	35	30	5%	**65**
Basswood	*Tilia americana*	40 mm caliper	24	12	3%	**36**
Black Cherry	*Prunus serontina*	100 cm potted	20	6	2%	**26**
Black Raspberry	*Rubus occidentalis*	40 cm potted	56	18	5%	**74**
Bush Honeysuckle	*Diervilla lonicera*	40 cm potted	35	30	5%	**65**
Choke Cherry	*Prunus virginiana var. virginiana*	40 cm potted	68	38	8%	**106**
Common Blackberry	*Rubus allegheniensis*	40 cm potted	92	48	10%	**140**
Common Elderberry	*Sambucus canadensis*	40 cm potted	21	0	1%	**21**
Eastern Cottonwood	*Populus deltoides*	40 mm caliper	24	10	2%	**34**
Eastern Hemlock	*Tsuga canadensis*	100 cm potted / bb	24	12	3%	**36**
Eastern White Cedar	*Thuja occidentalis*	150 cm potted / bb	29	22	4%	**51**
Flowering Raspberry	*Rubus odoratus*	40 cm potted	72	24	7%	**96**
Grey Dogwood	*Cornus foemina*	40 cm potted	99	41	10%	**140**
Ironwood	*Ostrya virginiana*	100 cm potted	10	0	1%	**10**
Large-toothed Aspen	*Populus grandidentata*	40 mm caliper	20	6	2%	**26**
Nannyberry	*Viburnum lentago*	40 cm potted	39	25	5%	**64**
Northern Red Oak	*Quercus rubra*	100 cm potted	25	6	2%	**31**
Prickly Gooseberry	*Ribes cynosbati*	40 cm potted	40	15	4%	**55**
Red Elderberry	*Sambucus racemosa*	40 cm potted	0	15	1%	**15**
Red Osier Dogwood	*Cornus stolonifera*	40 cm potted	0	15	1%	**15**
Red Raspberry	*Rubus idaeus*	40 cm potted	65	36	7%	**101**
Smooth Wild Rose	*Rosa blanda*	40 cm potted	45	20	5%	**65**
Sugar Maple	*Acer saccharum ssp. saccharum*	100 cm potted	29	0	2%	**29**
Sugar Maple	*Acer saccharum ssp. saccharum*	40 mm caliper	4	0	0%	**4**
Trembling Aspen	*Populus tremuloides*	40 mm caliper	29	10	3%	**39**
White Birch	*Betula pendula*	40 mm caliper	24	10	2%	**34**
White Pine	*Pinus strobus*	150 cm potted / bb	20	6	2%	**26**
			949	455	**Grand Total**	**1404**

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE_____

Legend

NO	DATE	REMARKS
2	21.05.06	2nd Submission
1	21.03.19	1st Submission – EIS

GEI Consultants
Savanta Division

Stamps:

Drawing Title:
Mt Albert Trail - Ecosystem Restoration Plan
Details 2 of 2

Drawn By (initials): NJA
Checked By (Initials): OR/HB
Date: 2021-05-06
Scale: N.T.S.
Drawing Number: E6

Victoria in Mount Albert - Phase 3 - Trail

Cut and Fill Calculations

Stations			Manual Method			Area in within Floodline Limit		Approximate Depth of Fill to Flood Elevation	
Viscount Way -Trail B			**cut (m^3)**	**fill (m^3)**	**balance**		**volume (m^3)**		**volume (m^3)**
00+000	00+010		0.0	0.0	0.0	0%	0.0		0.0
00+010	00+020		22.3	0.0	-22.3	0%	0.0		0.0
00+020	00+030	J	0.0	64.9	64.9	0%	0.0		0.0
00+030	00+040		0.0	77.6	77.6	0%	0.0		0.0
00+040	00+050		0.0	25.1	25.1	0%	0.0		0.0
00+050	00+060		30.4	0.0	-30.4	0%	0.0		0.0
00+060	00+070	K	36.4	0.0	-36.4	25%	-9.1	100%	-9.1
00+070	00+080	bridge	0.0	0.0	0.0	0%	0.0		0.0
00+080	00+090	bridge	0.0	0.0	0.0	0%	0.0		0.0
00+090	00+100		0.0	16.0	16.0	100%	16.0	100%	16.0
00+100	00+110	L	0.0	24.6	24.6	80%	19.7	100%	19.7
00+110	00+120	other path	0.0	0.0	0.0	0%	0.0	100%	0.0
		Totals	**89**	**208**	**119**		**27**		**27**
					Fill required				

Park Entrance - Trail A			**cut (m^3)**	**fill (m^3)**	**balance**				
00+000	00+010	A	0.0	11.0	11.0	20%	2.2	30%	0.7
00+010	00+020		0.0	23.1	23.1	85%	19.6	80%	15.7
00+020	00+030		0.0	23.1	23.1	80%	18.5	100%	18.5
00+030	00+040		0.0	22.2	22.2	90%	20.0	100%	20.0
00+040	00+050		0.0	23.6	23.6	95%	22.4	100%	22.4
00+050	00+060	B	0.0	23.0	23.0	100%	23.0	100%	23.0
00+060	00+070		0.0	22.3	22.3	100%	22.3	80%	17.8
00+070	00+080		0.0	23.4	23.4	95%	22.2	80%	17.8
00+080	00+090		0.0	25.2	25.2	80%	20.2	50%	10.1
00+090	00+100		0.0	23.2	23.2	20%	4.6	30%	1.4
00+100	00+110	C	0.0	18.8	18.8	0%	0.0		0.0
00+110	00+120		0.0	16.7	16.7	0%	0.0		0.0
00+120	00+130		0.0	16.9	16.9	0%	0.0		0.0
00+130	00+140		0.0	16.5	16.5	0%	0.0		0.0
00+140	00+150		0.0	21.6	21.6	0%	0.0		0.0
00+150	00+160	D	0.0	25.6	25.6	0%	0.0		0.0
00+160	00+170		0.0	25.7	25.7	40%	10.3	80%	8.2
00+170	00+180		0.0	29.6	29.6	50%	14.8	80%	11.8
00+180	00+190		0.0	38.2	38.2	15%	5.7	50%	2.9
00+190	00+200	other path	0.0	44.3	44.3	5%	2.2	20%	0.4
00+200	00+210	E	0.0	53.0	53.0	0%	0.0		0.0
00+210	00+220		0.0	41.1	41.1	0%	0.0		0.0
00+220	00+230		0.0	40.7	40.7	0%	0.0		0.0
00+230	00+240		0.0	45.8	45.8	0%	0.0		0.0
00+240	00+250		0.0	45.1	45.1	0%	0.0		0.0
00+250	00+260	F	0.0	13.2	13.2	0%	0.0		0.0
00+260	00+270		18.1	0.0	-18.1	0%	0.0		0.0
00+270	00+280		31.8	0.0	-31.8	0%	0.0		0.0
00+280	00+290		33.8	0.0	-33.8	0%	0.0		0.0
00+290	00+300		35.5	0.0	-35.5	0%	0.0		0.0
00+300	00+310	G	35.3	0.0	-35.3	0%	0.0		0.0
00+310	00+320		29.8	0.0	-29.8	0%	0.0		0.0
00+320	00+330		23.3	0.0	-23.3	0%	0.0		0.0
00+330	00+340		16.6	0.0	-16.6	0%	0.0		0.0
00+340	00+350		11.8	0.0	-11.8	0%	0.0		0.0
00+350	00+360	H	12.9	0.0	-12.9	0%	0.0		0.0
00+360	00+370		17.0	0.0	-17.0	0%	0.0		0.0
00+370	00+380		17.6	0.0	-17.6	0%	0.0		0.0
00+380	00+390		10.1	0.0	-10.1	0%	0.0		0.0
00+390	00+400		0.0	9.8	9.8	0%	0.0		0.0
00+400	00+410	I	0.0	30.0	30.0	0%	0.0		0.0
00+410	00+415	*	0.0	15.9	15.9	0%	0.0		0.0
00+415	00+420	*	0.0	8.3	8.3	0%	0.0		0.0
		Totals	**294**	**777**	**483**		**208**		**171**
					Fill required				

Summary

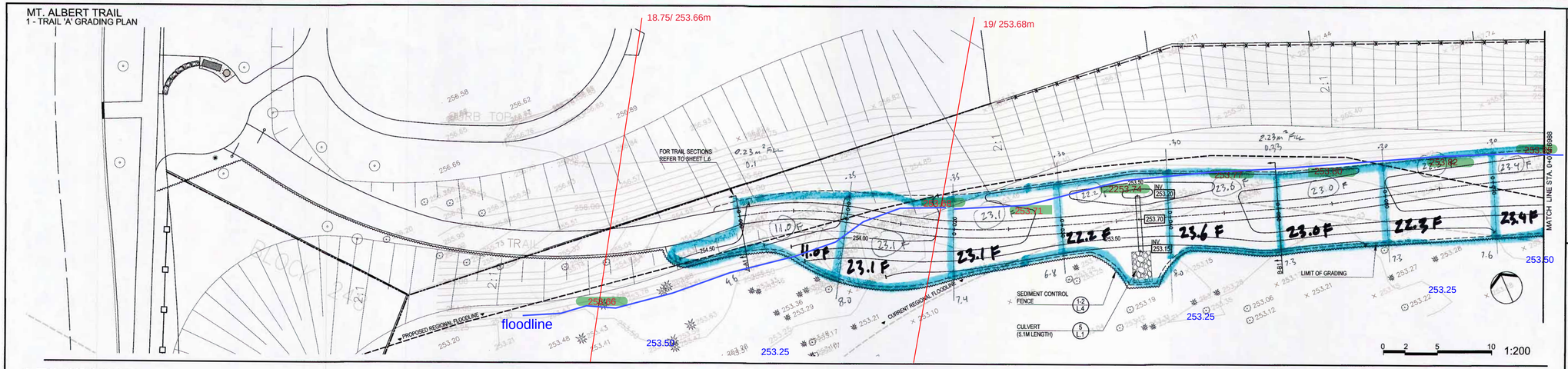
	cut (m^3)	**fill (m^3)**	**balance**	**fill (m^3)**	**fill (m^3)**
Totals for Both Trail Segments	**383**	**985**	**602**	**235**	**197**
			Fill required	**Fill in Flood Zone Area**	**Fill to water level**

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY

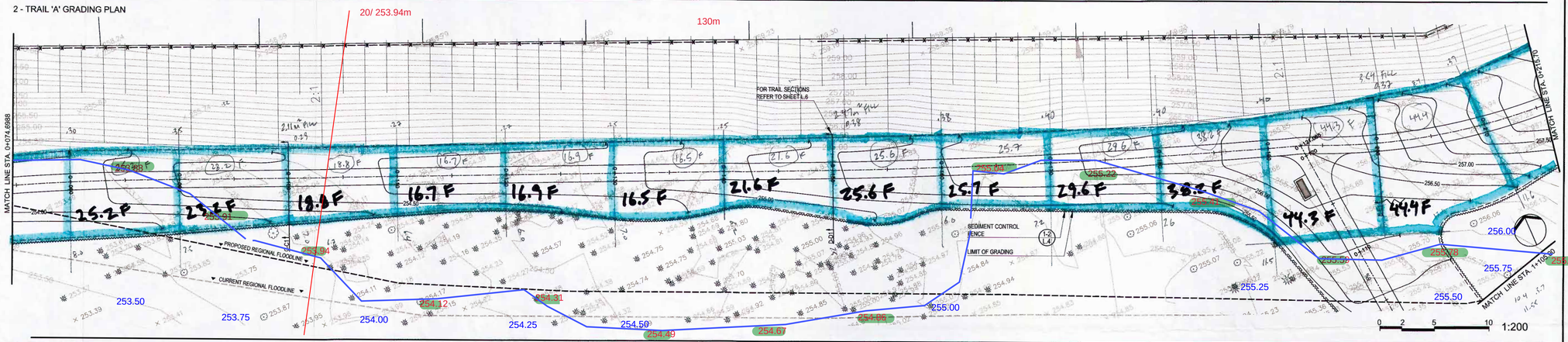
SIGNATURE_____

MT. ALBERT TRAIL

1 - TRAIL 'A' GRADING PLAN



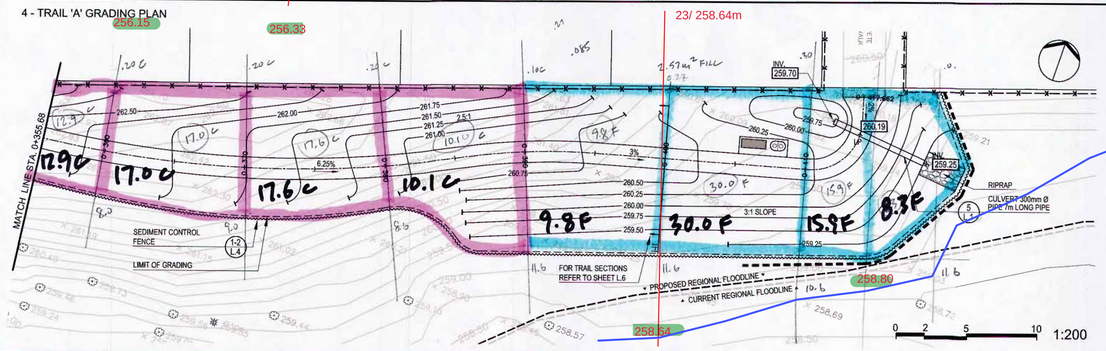
2 - TRAIL 'A' GRADING PLAN

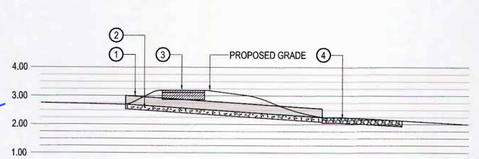


3 - TRAIL 'A' GRADING PLAN



4 - TRAIL 'A' GRADING PLAN

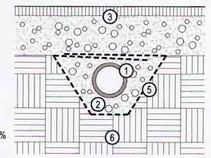




5 CULVERT Section

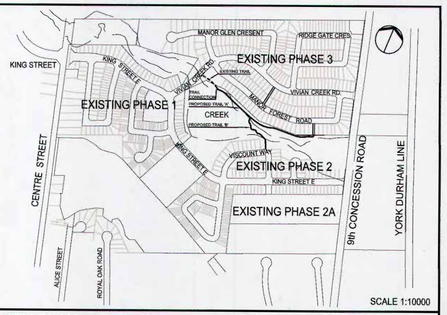
NTS

1. 305mm O.D. Ø HDPE PIPE
2. 50mm CRUSHER RUN COMPACTED TO 100% SPMDD
3. ASPHALT PAVING PROFILE
4. RIP-RAP
5. NON-WOVEN GEOTEXTILE
6. COMPACTED SUBGRADE TO 98% SPMDD



APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

REFER TO DRAWING L.4 FOR SEDIMENT CONTROL AND ENVIRONMENTAL NOTES.



KEY PLAN

BENCHMARK

ELEVATION = 282.06m

TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY–PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:

- EXISTING TREES
- EXISTING TREE DBH
- EXISTING TREES NOT ON SURVEY
- EXISTING TREES TO BE REMOVED REFER TO TREE PRESERVATION PLAN FOR REMOVAL INFORMATION
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE TO REMAIN
- LIMIT OF GRADING/DISTURBANCE
- 100 YEAR FLOODLINE
- CENTRE LINE OF TRIBUTARY
- CURRENT REGIONAL FLOODLINE
- PROPOSED REGIONAL FLOODLINE
- SILT CONTROL FENCING
- SIGN POST
- RECYCLING STATION
- BENCH
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED CULVERT INVERT ELEVATION
- PROPOSED CONTOUR
- PROPOSED DIRECTION OF SURFACE DRAINAGE

NOTES:

SITE STABILIZATION (TERRASEEDING) WILL OCCUR DURING OR IMMEDIATELY FOLLOWING CONSTRUCTION TO AVOID UNACCEPTABLE LEVELS OF EROSION. IF REQUIRED, TEMPORARY MEASURES WILL NEED TO BE UNDERTAKEN BY THE CONTRACTOR TO STABILIZE SOIL CONDITIONS OVER THE WINTER IF TERRASEEDING CANNOT BE COMPLETED PRIOR TO THE WINTER MONTHS.

REFER TO TREE PRESERVATION PLAN FOR TREE REMOVALS AND TREE PROTECTION.

ALL DISTURBED AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AT COMPLETION OF CONSTRUCTION WORKS.

CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF CONSTRUCTION.

No.	By	Date	Revision	By.	Ck.
2.	A.L.	06-NOV-20	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — RONALD E. BERNARDO — MEMBER — 7 NOV 19

TOWN OF EAST GWILLIMBURY

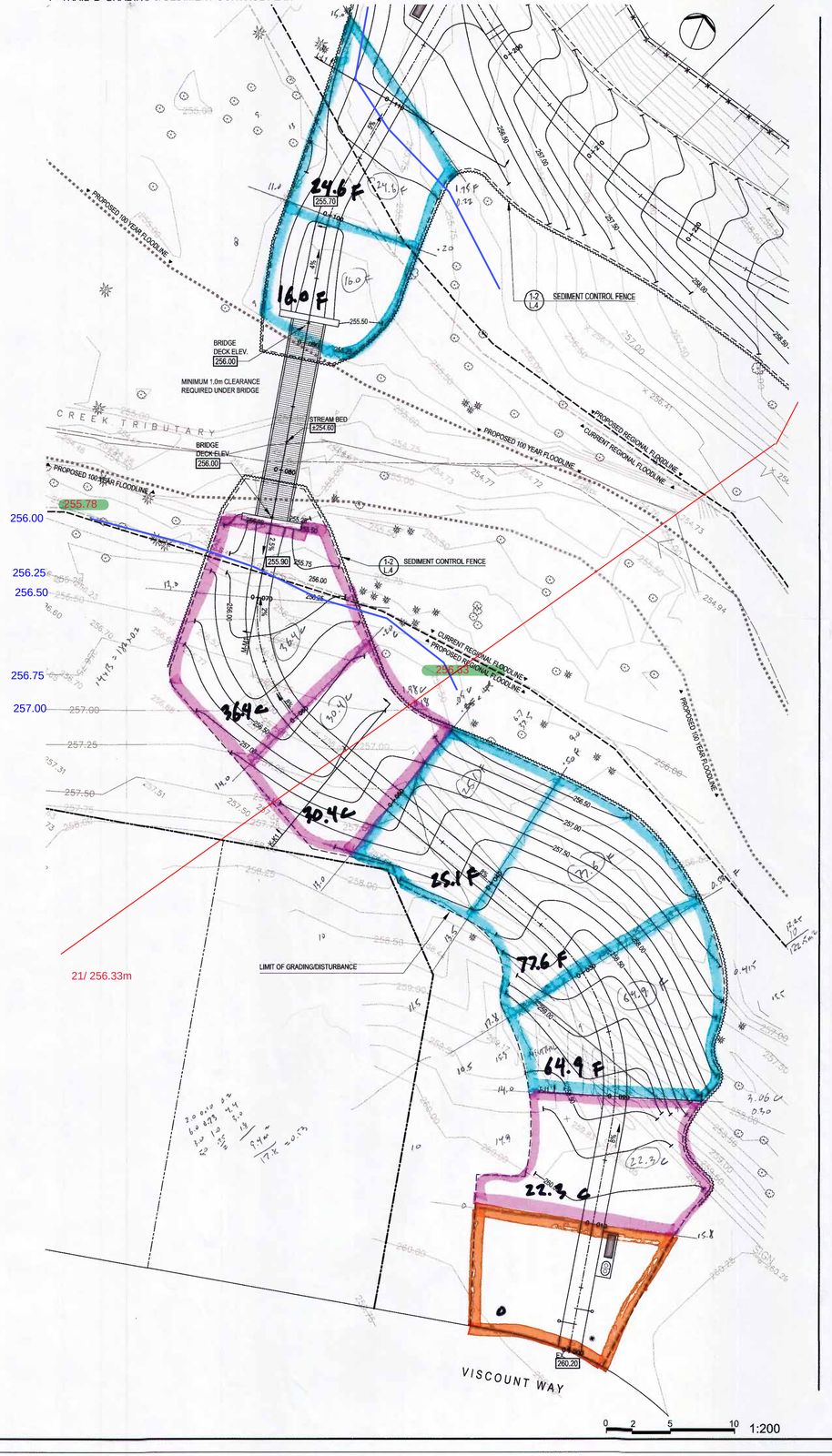
VICTORIA IN MOUNT ALBERT PHASE No.3

TRAIL A GRADING & SEDIMENT CONTROL PLAN

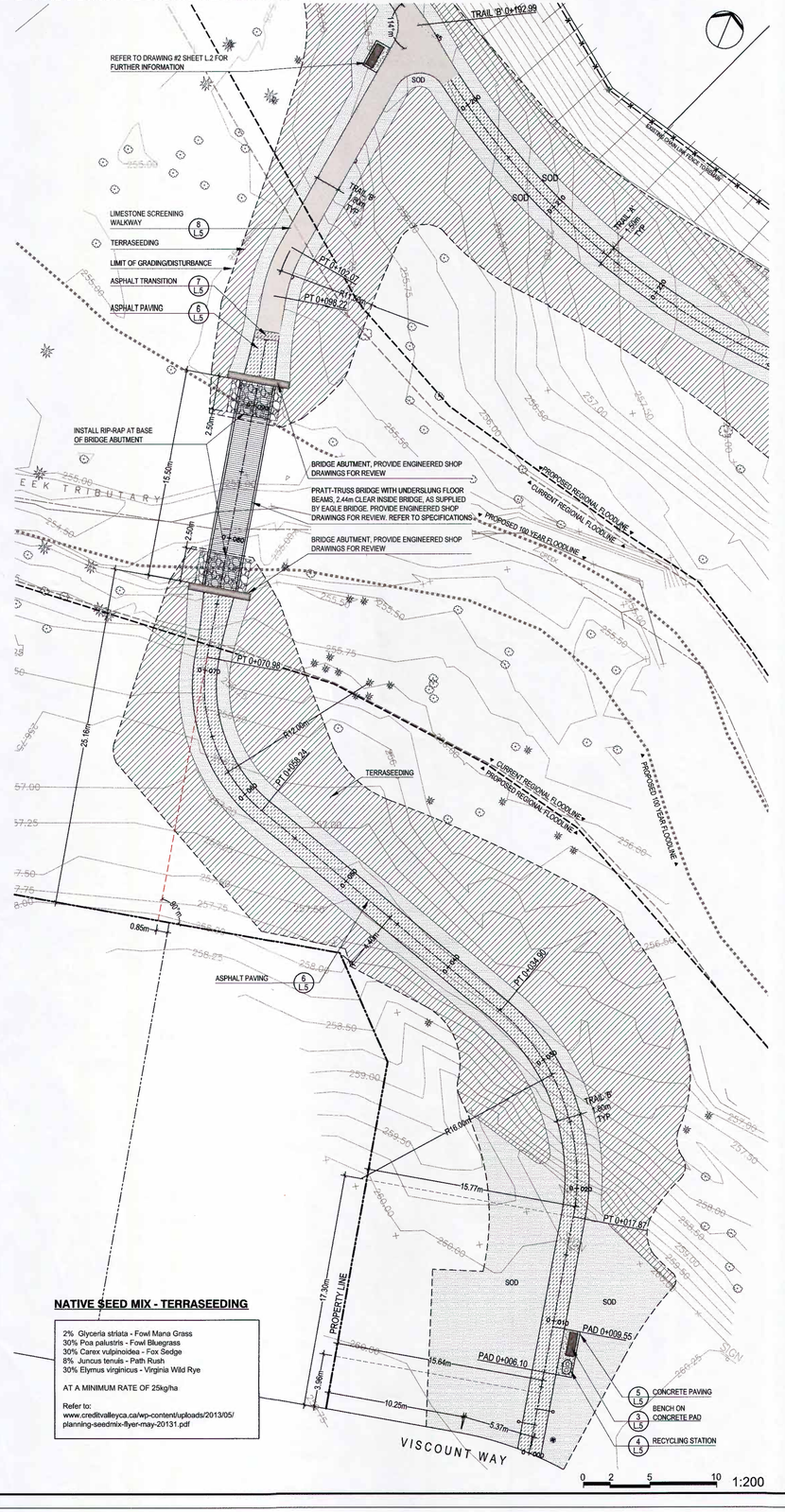
Drawn By	A.L./E.D.	Checked By R.B.	Registered Plan
Designed By	M.G.		Project No. 01-36D / Sheet No. L-1
Scale	AS SHOWN	Date Issued	AUG 2019

Drawing File: Mt. Albert Trail Submission.dwg (L1) Plotted: Friday, 11 December 2020

MT. ALBERT TRAIL
1 - TRAIL 'B' GRADING & SEDIMENT CONTROL PLAN



2 - TRAIL 'B' LAYOUT AND SURFACE TREATMENT PLAN

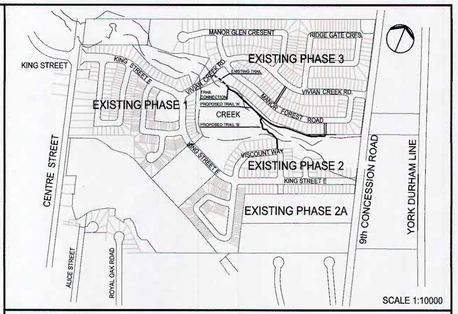


NATIVE SEED MIX - TERRASEEDING

2% Glyceria striata - Fowl Mana Grass
30% Poa palustris - Fowl Bluegrass
30% Carex vulpinoidea - Fox Sedge
8% Juncus tenuis - Path Rush
30% Elymus virginicus - Virginia Wild Rye

AT A MINIMUM RATE OF 25kg/ha

Refer to:
www.creditvalleyca.ca/wp-content/uploads/2013/05/planning-seedmix-flyer-may-20131.pdf



KEY PLAN

BENCHMARK

ELEVATION = 282.06m

TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY–PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:

- EXISTING TREES
- EXISTING TREE DBH
- EXISTING TREES NOT ON SURVEY
- EXISTING TREES TO BE REMOVED REFER TO TREE PRESERVATION PLAN FOR REMOVAL INFORMATION
- PROPERTY LINE
- EXISTING CHAIN LINK FENCE TO REMAIN
- LIMIT OF GRADING/DISTURBANCE
- 100 YEAR FLOODLINE
- CENTRE LINE OF TRIBUTARY
- CURRENT REGIONAL FLOODLINE
- PROPOSED REGIONAL FLOODLINE
- TERRASEEDING
- SOD/TOPSOIL
- NEW GRANULAR PATH
- CONCRETE PAVING
- ASPHALT PAVING
- RIP-RAP
- EXISTING SPOT ELEVATION (× 256.06)
- EXISTING CONTOUR (256.00)
- PROPOSED SPOT ELEVATION (+ 253.70)
- PROPOSED CULVERT INVERT ELEVATION (INV. + 253.15)
- PROPOSED CONTOUR
- PROPOSED DIRECTION OF SURFACE DRAINAGE (2.5%)
- TEMPORARY FENCING
- SILT CONTROL FENCING
- SIGN POST
- RECYCLING STATION
- BENCH

APPROVED
LAKE SIMCOE REGION CONSERVATION AUTHORITY
SIGNATURE

NOTES:

SITE STABILIZATION (TERRASEEDING) WILL OCCUR DURING OR IMMEDIATELY FOLLOWING CONSTRUCTION TO AVOID UNACCEPTABLE LEVELS OF EROSION. IF REQUIRED, TEMPORARY MEASURES WILL NEED TO BE UNDERTAKEN BY THE CONTRACTOR TO STABILIZE SOIL CONDITIONS OVER THE WINTER IF TERRASEEDING CANNOT BE COMPLETED PRIOR TO THE WINTER MONTHS.

REFER TO TREE PRESERVATION PLAN FOR TREE REMOVALS AND TREE PROTECTION.

ALL DISTURBED AREAS ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AT COMPLETION OF CONSTRUCTION WORKS.

CONTRACTOR IS TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF CONSTRUCTION.

No.	By	Date	Revision	By.	Ck.
2.	A.L.	06-NOV-20	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates — CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-8100 Fax: (905)889-4616

ASSOCIATION OF LANDSCAPE ARCHITECTS — RONALD E. BERNACH — 7 Nov. 19 — OALA MEMBER

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

TRAIL B GRADING & SEDIMENT CONTROL, LAYOUT AND SURFACE TREATMENT PLAN

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-3
Scale AS SHOWN	Date Issued AUG 2019		

Drawing File: Mt. Albert Trail Submission.dwg (L-3) Plotted: Friday 11 December 2020

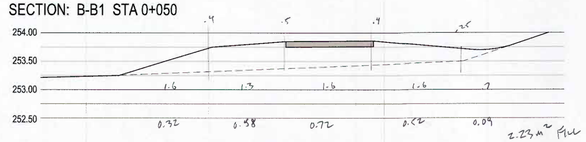
MT. ALBERT TRAIL
1 - TRAIL SECTIONS

TRAIL 'A'

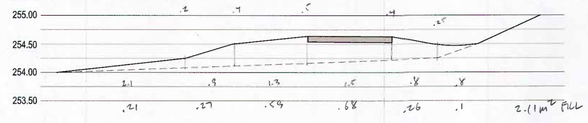
SECTION: A-A1 STA 0+000



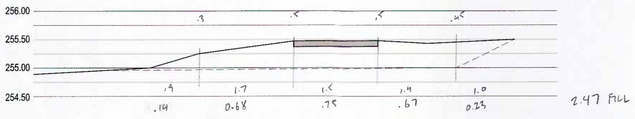
SECTION: B-B1 STA 0+050



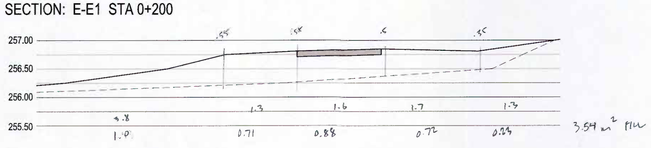
SECTION: C-C1 STA 0+100



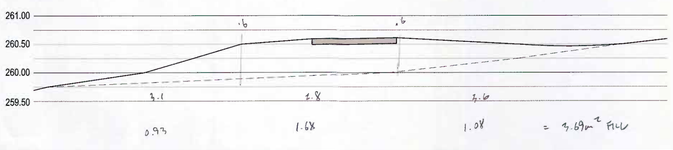
SECTION: D-D1 STA 0+150



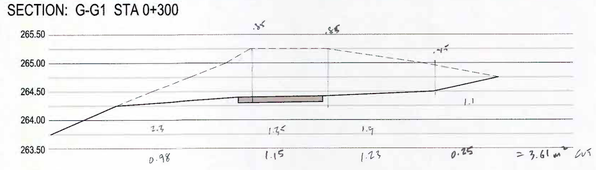
SECTION: E-E1 STA 0+200



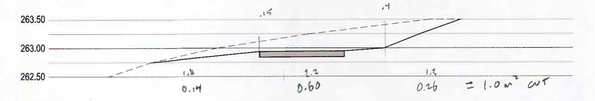
SECTION: F-F1 STA 0+250



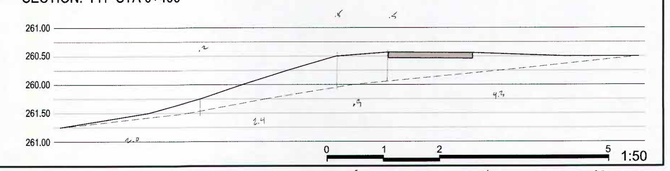
SECTION: G-G1 STA 0+300



SECTION: H-H1 STA 0+350



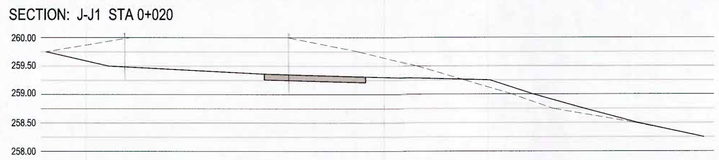
SECTION: I-I1 STA 0+400



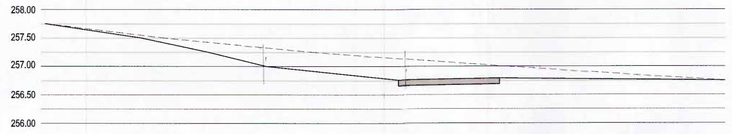
0.2 0.84 0.45 1.08 = 2.59 m² FILL

TRAIL 'B'

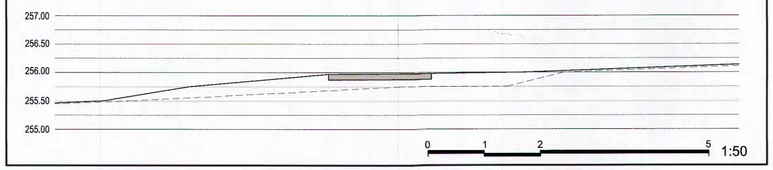
SECTION: J-J1 STA 0+020



SECTION: K-K1 STA 0+055



SECTION: L-L1 STA 0+110



2.3 x .10 = 0.23 FILL

1.3 x .5 / 2 | 6.9 x 0.6 | 3 x 0.6 / 2

0.65 1.74 0.9 = 3.29 CUT - 0.23 FILL = 3.06 m² CUT

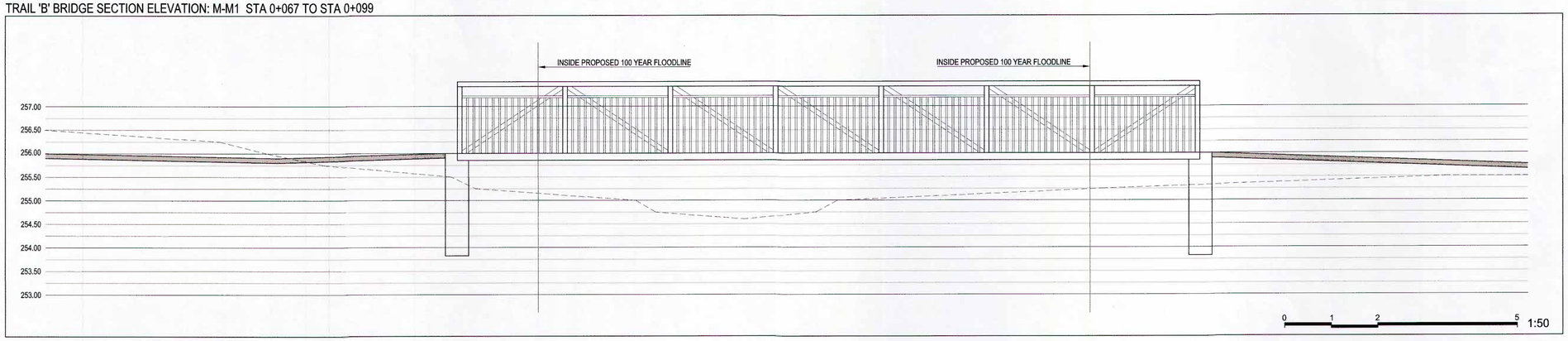
	m²	m	AV. DEPTH
A	.23 F	2.3	.1
B	2.23 F	6.8	0.33
C	2.11 F	7.3	0.29
D	1.49 F	6.4	0.38
E	3.54 F	9.6	0.37
F	3.69 F	9.8	0.37
G	3.61 C	6.8	0.53
H	1.0 C	5.5	0.18
I	2.57 F	9.5	0.27
J	3.06 C	10.2	0.30
K	1.98 C	11.0	0.18
L	1.75 F	8.0	0.22

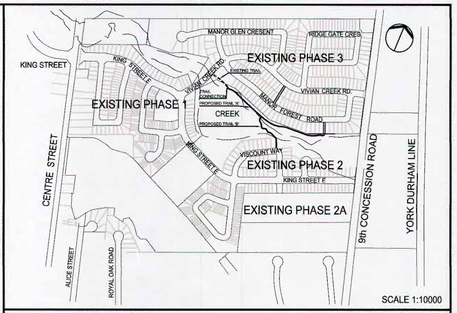
2.2 x .3 / 2 | 2.5 x .33 | 5 x 0.33 / 2

.33 0.825 0.825 = 1.98 m² CUT

74.25 (175 m²) FILL

TRAIL 'B' BRIDGE SECTION ELEVATION: M-M1 STA 0+067 TO STA 0+099





KEY PLAN

BENCHMARK

ELEVATION = 282.06m
TABLET SET VERTICALLY IN TOP OF CONCRETE MONUMENT AT THE NORTH WEST CORNER OF THE INTERSECTION OF MOUNT ALBERT ROAD (YORK REGIONAL ROAD No.13) AND CENTRE STREET IN THE VILLAGE OF MOUNT ALBERT, 27.7m NORTH OF MOUNT ALBERT ROAD AND 16.0m WEST OF CENTERLINE OF CENTRE STREET.

TOPOGRAPHIC SURVEY COMPLETED BY RADY-PENTEK & EDWARD SURVEYING LTD. ONTARIO LAND SURVEYORS JULY 20, 2018.

LEGEND:



NOTES:

APPROVED
LAKE SIMCOE REGION
CONSERVATION AUTHORITY
SIGNATURE

No.	By	Date	Revision	By.	Ck.
2.	A.L.	06-NOV-20	ISSUED FOR REVIEW	R.B./A.L.	A.L.
1.	M.G.	07-NOV-19	ISSUED FOR REVIEW	R.B./M.G.	M.G.

COMMUNITY OF MOUNT ALBERT

REGIONAL MUNICIPALITY OF YORK

JSW+ associates
CONSULTING ENGINEERS LANDSCAPE ARCHITECTS
Tel: (905)889-6100 Fax: (905)889-6616

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
RONALD E. BERNECH
7 NOV. 19
OALA
MEMBER

TOWN OF EAST GWILLIMBURY

VICTORIA IN MOUNT ALBERT PHASE No.3

TRAIL SECTIONS

Drawn By A.L./E.D.	Checked By R.B.	Registered Plan	
Designed By M.G.		Project No. 01-36D	Sheet No. L-6
Scale AS SHOWN	Date Issued AUG 2019		

Drawing File: M1_Albert Trail_Submission.dwg (L-6) Plotted: Friday 13 December 2020