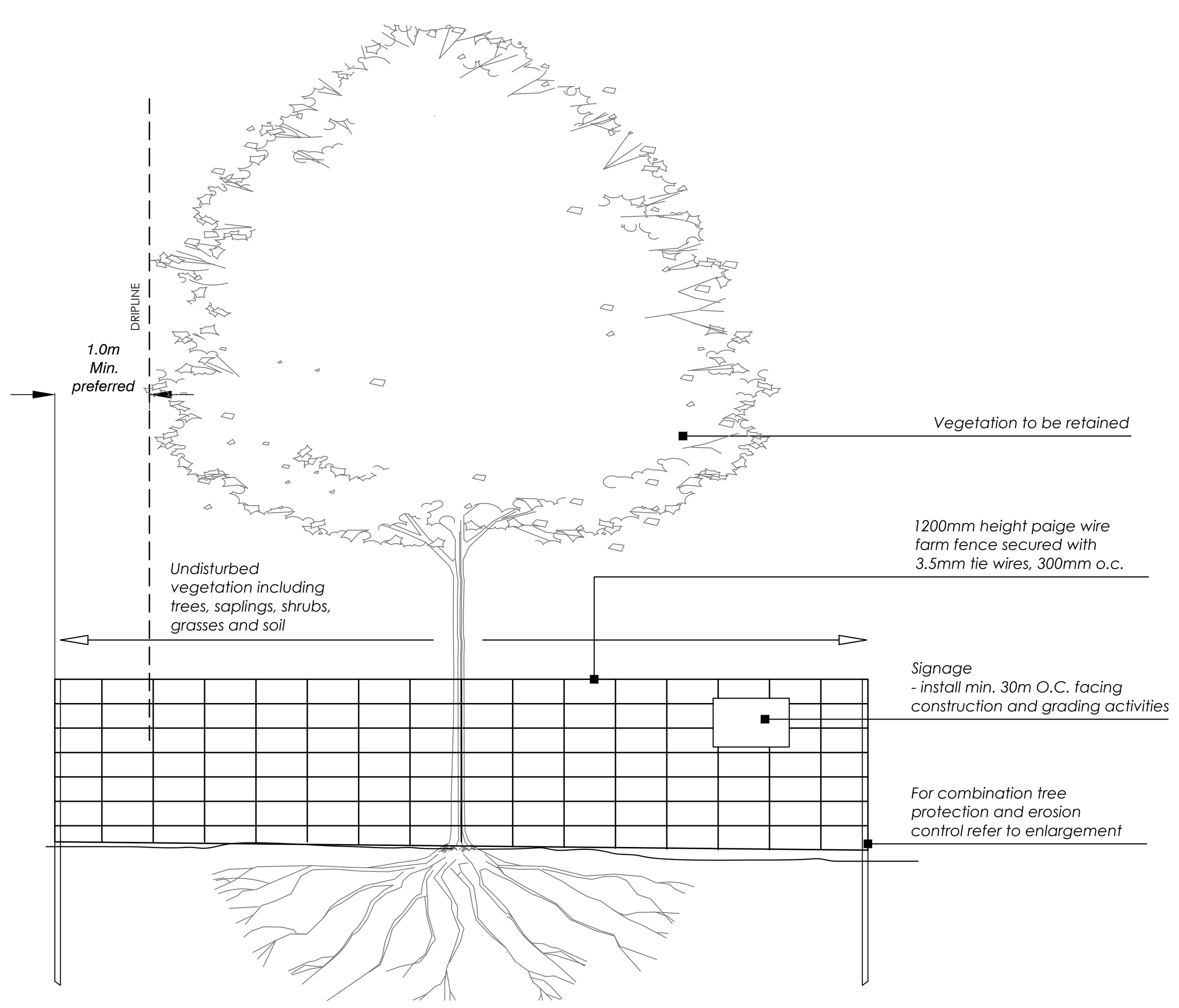
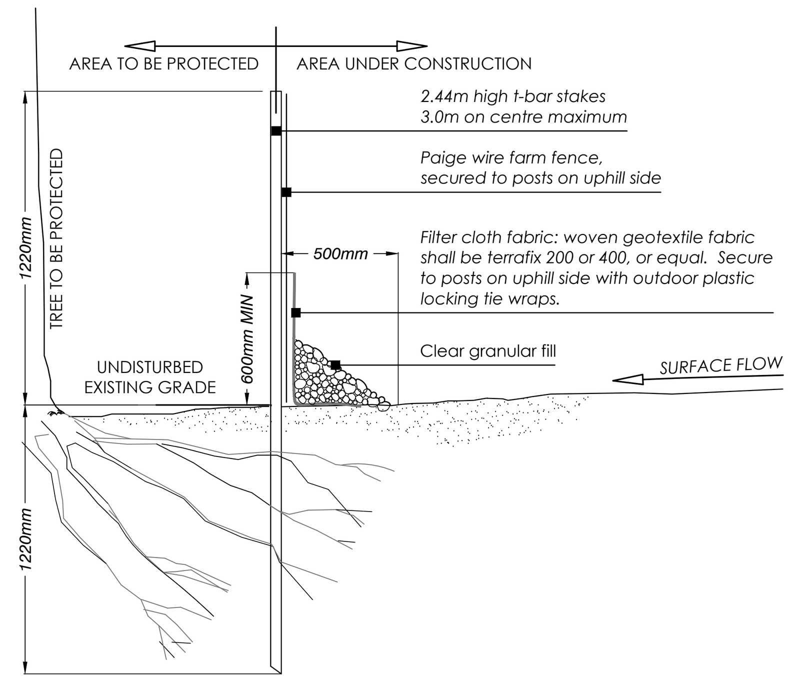
project #: 18-025





NOTES:

1. The area within the dripline of all existing trees shall be properly protected with temporary fencing.
2. The area within the protective fencing shall remain undisturbed with no construction activity, grade changes, surface treatment, compaction, or excavation. Area shall not be used for the storage of building materials or equipment access/storage or project related garbage.
3. Tree protection measures shall be installed prior to any demolition, tree removal or construction and shall remain until the completion of fine grading and sodding or seeding.
4. Prune all trees for dead, diseased, weak or hazardous branches only, also trim back branches which will interfere with construction, prune for structural restoration where necessary.
5. No stockpiles and/or excavated material shall be placed within the tree preservation area.
6. No rigging cable shall be wrapped around or installed to trees.
7. Where root systems of protected trees are exposed directly adjacent to or damaged by construction work they are to be root pruned and the area back filled with topsoil to prevent root desiccation.
8. Any fine grading within the preservation area is to be done by hand, no heavy equipment is permitted within the preservation zone.
9. Sediment accumulations to be removed by subdivider/builder when sediment deposits reach within 150mm of top of filter fabric barrier.
10. A copy of the approved and signed Vegetation Management Plan will be on site for the duration of construction and available upon request.
11. This detail does not represent any particular tree species.

Tree Protection Fencing (with silt fence)

SCALE: NTS

D / 1

EXISTING VEGETATION IDENTIFICATION TABLE

TREE/UNIT NO.	SPECIES (COMMON NAME)	SPECIES (BOTANICAL NAME)	DBH (cm)	CROWN CLASS*	CONDITION	VEGETATION VALUE & PHYSICAL CONSTRAINTS	POTENTIAL IMPACTS FROM CONSTRUCTION	OWNERSHIP	RECOMMENDATION
Unit 1	White Cedar	Thuja occidentalis	10-15	C	Poor	11 individuals; not surveyed / boundary vegetation		Boundary	
Unit 2	White Cedar	Thuja occidentalis	10-15	C	Poor	12 individuals; not surveyed / boundary vegetation		Boundary	
1	White Cedar	Thuja occidentalis	13	C	Poor	Not surveyed / boundary tree		Boundary	
2	White Cedar	Thuja occidentalis	15	C	Poor	Not surveyed / boundary tree		Boundary	
3	Norway Maple	Acer platanoides	18	C	Fair	Not surveyed / boundary tree		Boundary	
4	Black Walnut	Juglans nigra	13	C	Good	Not surveyed / boundary tree		Boundary	
5	White Cedar	Thuja occidentalis	13	C	Poor	Not surveyed / boundary tree		Boundary	
6	English Walnut	Juglans regia	15	C	Fair	Not surveyed / boundary tree		Boundary	
7	White Cedar	Thuja occidentalis	13	C	Poor	Not surveyed / boundary tree		Boundary	
8	Black Walnut	Juglans nigra	15	C	Poor	Not surveyed / boundary tree		Boundary	
9	White Cedar	Thuja occidentalis	12	C	Poor	Not surveyed / boundary tree		Boundary	
10	White Cedar	Thuja occidentalis	12/13	C	Poor	Not surveyed / boundary tree		Boundary	
11	Black Walnut	Juglans nigra	18	C	Fair	Not surveyed / boundary tree		Boundary	
12	White Mulberry	Morus alba	18	C	Fair	Not surveyed / boundary tree		Boundary	
13	Siberian Elm	Ulmus pumila	16	C	Poor	Not surveyed / boundary tree		Boundary	
14	Siberian Elm	Ulmus pumila	16	C	Poor	Not surveyed / boundary tree		Boundary	
15	Norway Maple	Acer platanoides	12	C	Poor	Not surveyed / boundary tree		Boundary	
16	Norway Maple	Acer platanoides	10	C	Poor	Not surveyed / boundary tree		Boundary	
17	London Plane	Platanus x acerifiora	56	D	Fair	Large scar in trunk		Private	
18	Norway Maple	Acer platanoides	90	D	Poor	Dead in canopy		Private	
19	Black Locust	Robinia pseudoacacia	35/35/30	D	Fair			Private	
20	Honey Locust	Gleditsia triacanthos	67	D	Good			Private	
21	Norway Maple	Acer platanoides	65	D	Fair	Dead in canopy		Private	
22	Norway Maple	Acer platanoides	40	C	Poor	Large scar on trunk; Dead in canopy		Private	
23	European Beech	Fagus sylvestris	190	D	Fair	Decay and scars at base		Private	
24	White Mulberry	Morus alba	28/26	C	Poor	Scars and gummosis		Private	
25	Norway Maple	Acer platanoides	13	C	Fair	Not surveyed / boundary tree		Boundary	
26	White Mulberry	Morus alba	12/15	S	Poor	Not surveyed / boundary tree		Boundary	
27	Honey Locust	Gleditsia tricanthos	40	D	Fair	Not surveyed / boundary tree		Boundary	
28	Colorado Spruce	Picea pungens	17	S	Poor	Not surveyed / boundary tree		Boundary	
29	Honey Locust	Gleditsia tricanthos	37	C	Fair	Not surveyed / boundary tree		Boundary	
30	Colorado Spruce	Picea pungens	28	C	Fair	Not surveyed / boundary tree		Boundary	
31	Colorado Spruce	Picea pungens	18	C	Fair	Not surveyed / boundary tree		Boundary	
32	Colorado Spruce	Picea pungens	30	C	Fair	Not surveyed / boundary tree		Boundary	

* CROWN CLASS
Dominant- (D) Emergent canopy (receives full sunlight)
Co-dominant - (C) Not fully emergent (top of canopy receives sunlight)
Intermediate - (I) Sub-canopy tree (receives partial sunlight)

** CONDITION - consideration of trunk integrity, crown structure and crown vigor
Good - few or no issues related to trunk integrity, crown structure or crown vigor
Fair - minor issues related to trunk integrity, crown structure (form, some dead or damged branches) or crown vigor (20-80% healthy foliage)
Poor - issues with trunk integrity such as cavities or exposed dead wood, poor crown structure (poor form, no clear leader, significant dead or damaged branches) or poor crown vigor (<20% healthy foliage)

*** ECOLOGICAL SERVICES - consideration of ecological services provided by each tree. Each category is evaluated as High Value (H); Medium Value (M) and Low Value (L)
H - Habitat; structural opportunities for bird nest/ mammal shelter
F - Food; ability of tree to provide food for pollinators, birds, mammals
D - Diversity; an indicator of the species diversity within the overall unit
S - Shade; an indicator of the tree's ability to moderate the urban heat island effect
C - Carbon sequestration; ability of tree to absorbing and storing Carbon Dioxide

* CONDITION OF TREES
The decision to remove or retain a tree is subject to the forecasted development impacts, the structural condition of the tree (e.g. cracks, cavities, decay, weak branching, leaning, hazard potential), the biological condition of the tree (e.g. pest or disease concerns, overall health) and the suitability of the tree in its location (e.g. hardiness, soil conditions, salt tolerance, visual obstruction, available soil volume)

MIGRATORY BIRDS AND NESTS:

1. The Owner and Contractor must be aware of the Migratory Birds Convention Act, 1994 - specifically;
   - No tree removal or construction activity shall contravene the Act.
   - Construction activities with the potential to harm migratory birds or their nest should be restricted from March 15 to August 31.
   - If work must occur during the migratory bird breeding season, a nest survey should be taken by a qualified avian biologist.
   - A mitigation plan (showing active nests and appropriate buffers) may be required for review and approval by the Canadian Wildlife Services.

TREE REMOVAL:

1. No trees shall be removed prior to municipal approvals of the Tree Management/Tree Preservation Plan.

BOUNDARY TREES:

2. Note that boundary trees are protected under the Ontario Forestry Act. Boundary trees are defined in the Forestry Act (Section 10.2) and are considered shared or co-owned property. The Forestry Act indicates that it is a prosecutable offense for one co-owner to injure or cut down a boundary tree without the other co-owner's permission.
3. Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree(shared ownership) or any tree that is not fully on the subject property.
4. An ISA certified Arborist should be on site prior to any work being performed within the rootzone of a boundary or neighbouring tree to perform root pruning as required.

FILE:Z:\Project_files\Projects_2018\18-025_Burgess Estates\01-Current_Drawings\18-025L.dwg LAYOUT:2_Veg man chart
LAST SAVED BY:Station05 June 4, 2019 4:28:08 PM PLOTTED BY:Station05 June 4, 2019 4:29:36 PM

NOT FOR CONSTRUCTION
ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:
Vegetation inventory undertaken by Nate Torenvliet, ISA Certified Arborist (ON-1782A) on January 21, 2019.

REVISIONS/ SUBMISSIONS

#	DATE	DESCRIPTION
1	2019-01-21	Issued for review
2	2019-05-30	Issued for review
3	2019-06-05	Issued for submission

STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
SCOTT PB HENDERSON
OALA
MEMBER

CLIENT
Movengo

MUNICIPALITY
City of Grimsby

PROJECT
Burgess Estates
133,137 Main Street E

MUNICIPAL FILE NUMBER

SHEET
Vegetation Management Plan
L-2

adesso design inc.
landscape architecture

218 Locke Street South, 2nd Floor
Hamilton, ON L8P 4B4
t. 905.526.8876
www.adessodesigninc.ca