



KEY MAP, NTS
GENERAL NOTES

1. All general site information and conditions compiled from survey.
2. Do not scale this drawing.
3. Report any discrepancies prior to commencing work. No responsibility is born by the Landscape Architect for unknown subsurface conditions.
4. Contractor to check and verify all dimensions on site and report any errors and/or omissions.
5. Reinstall all areas and items damaged as a result of construction activities.
6. Drawing may not be used for construction until signed by Landscape Architect as issued for construction.
7. The accuracy of the position of utilities is not guaranteed.
8. Individual utility co. must be contacted for confirmation of existence and location prior to digging.
9. This drawing is an instrument of service and requires the permission of the Landscape Architect for use. Copyright is reserved by Lashley & Associates corporation.

TREE PRESERVATION, PROTECTION & REMOVAL NOTES

1. All existing trees to remain shall be protected from damage during construction by maintaining a protective fence at the critical root zone of the tree or group of trees.
- CRZ: Diameter of trunk in cm multiplied by 10cm
2. Storage of materials and/or equipment is prohibited within the drip line of all existing trees to remain.
3. Contractor must comply with the Migratory Birds Convention Act (MBCA), 1994 and Regulations.
4. Trees noted for removal must be cut outside of bird nesting season.
5. Bird nesting season: April 1st until August 31st.

NO.	DATE	DESCRIPTION
SEAL:		NORTH:
		


IN THE ENVIRONMENT
**LASHLEY
+ ASSOCIATES**
LANDSCAPE ARCHITECTURE

LASHLEY + ASSOCIATES
LANDSCAPE ARCHITECTURE

202-250 GLADSTONE AVENUE
OTTAWA, ON K1Y 3E8

T 613 233 8579
F 613 233 4051

W LashleyLA.com

PROJECT:

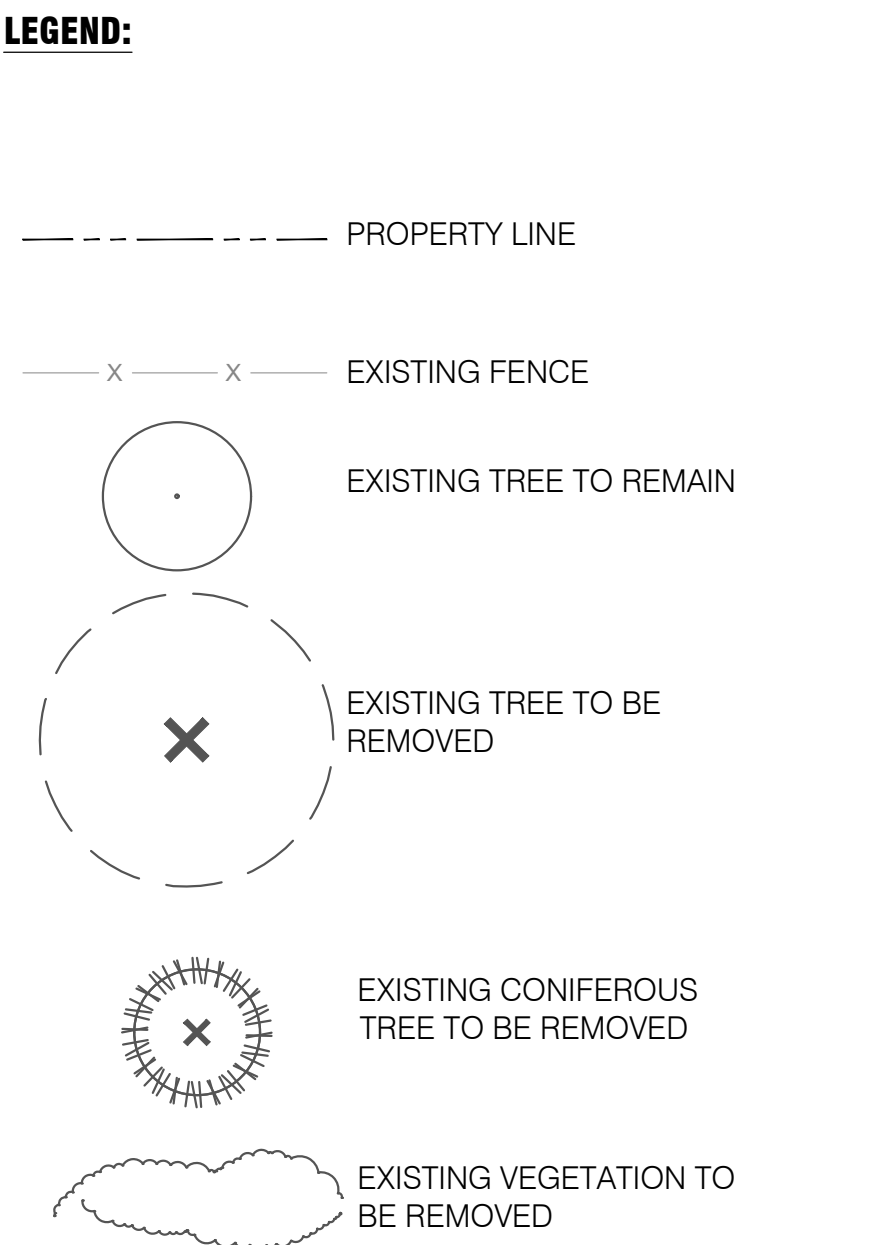
Shepherds of Good Hope

765 Montreal Rd
OTTAWA, ON

DRAWING TITLE:

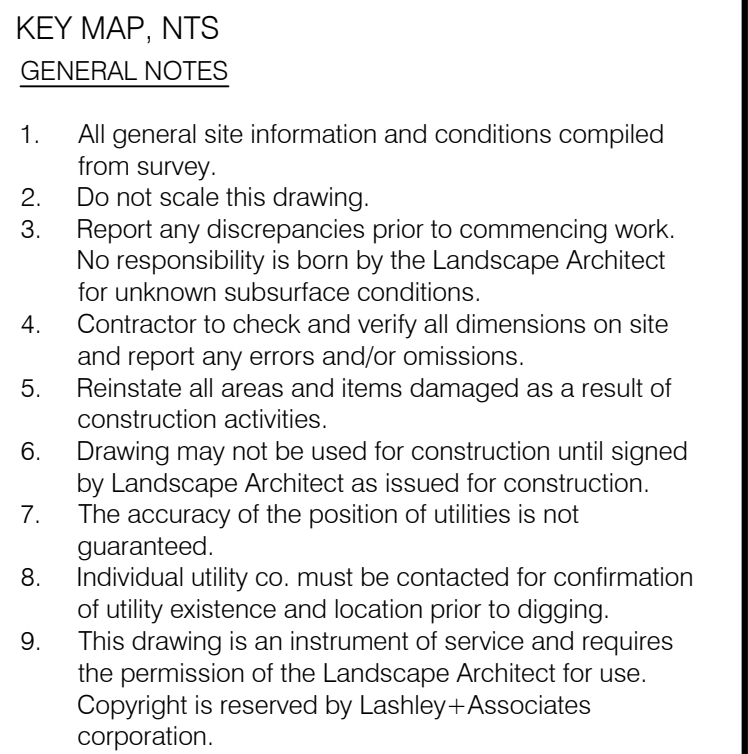
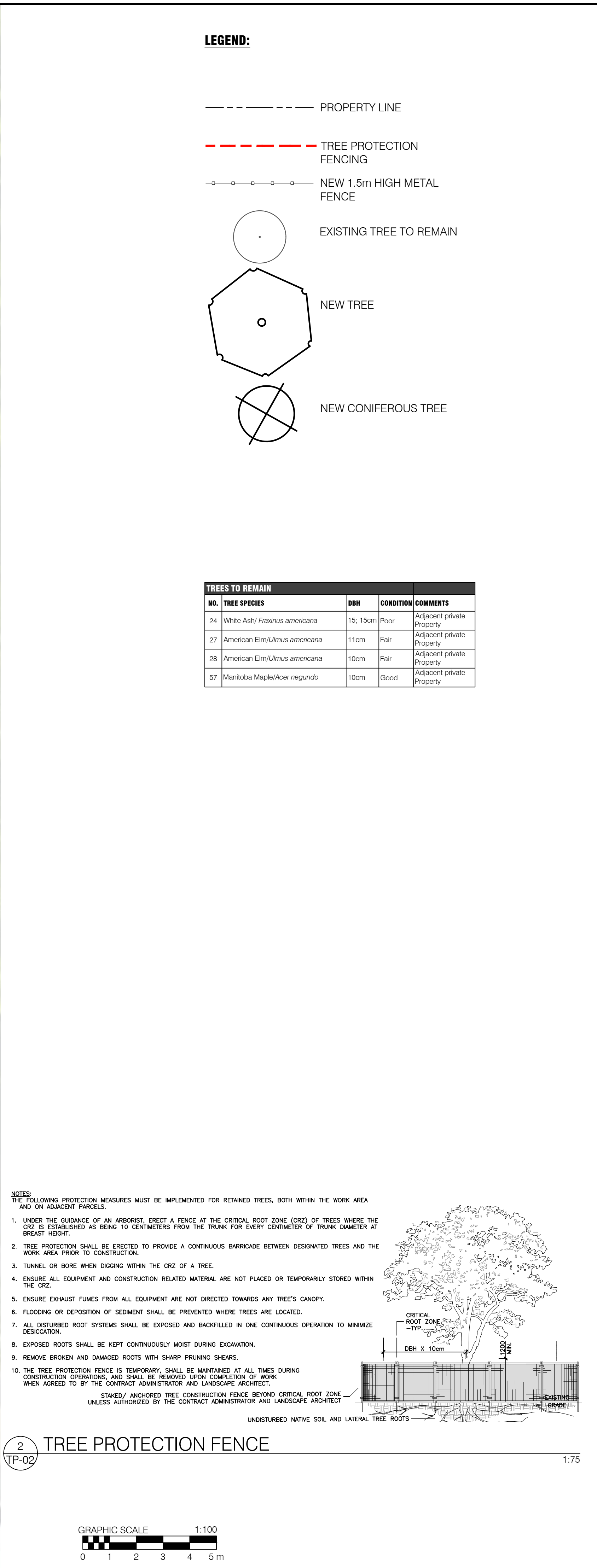
**PRE-DEVELOPMENT
VEGETATION MAP**

DATE:	2018/02/08	DRAWING NO.: <div style="font-size: 2em; font-weight: bold; text-align: center;">TP-01</div>
SCALE:	As Shown	
DRAWN BY:	A.K	
LA PROJECT NO.	18695-1	



TREES TO BE REMOVED				
NO.	TREE SPECIES	DBH	CONDITION	COMMENTS
1	Russian Olive/Elaeagnus angustifolia	17; 25cm	Fair	Double stemmed, heavy lean toward street
2	Sugar Maple/Acer Saccharum	41cm	Good	
3	Colorado Blue Spruce/Picea pungens glauca	21cm	Fair	
4	Manitoba Maple/Acer negundo	17cm	Fair	City Property
5	Manitoba Maple/Acer negundo	15cm	Fair	
6	Colorado Blue Spruce/Picea pungens glauca	25cm	Good	City Property
7	Scots Pine/ Pinus sylvestris	32cm	Fair	
8	Red Pine/ Pinus resinosa	24cm	Fair	
9	Red Pine/ Pinus resinosa	20cm	Good	
10	Colorado Blue Spruce/Picea pungens glauca	29cm	Good	
11	Norway Spruce/Picea abies	34cm	Good	
12	Colorado Blue Spruce/Picea pungens glauca	43cm	Fair	
13	Norway Spruce/Picea abies	32cm	Fair	City Property
14	Colorado Blue Spruce/Picea pungens glauca	34cm	Fair	
15	Colorado Blue Spruce/Picea pungens glauca	32cm	Fair	City Property
16	Colorado Blue Spruce/Picea pungens glauca	27cm	Fair	
17	Colorado Blue Spruce/Picea pungens glauca	23cm	Fair	
18	Colorado Blue Spruce/Picea pungens glauca	24cm	Fair	
19	Manitoba Maple/Acer negundo	11cm	Poor	Pruned for Hydro, City Property
20	Jack Pine/ Pinus banksiana	17cm	Poor	
21	Norway Maple/Acer platanoides	15; 12cm	Fair	Double Stemmed
22	Colorado Blue Spruce/Picea pungens glauca	34cm	Good	
23	American Elm/Ulmus americana	14cm	Poor	
24	Manitoba Maple/Acer negundo	11; 11cm	Fair	Double Stemmed
25	Manitoba Maple/Acer negundo	11cm	Good	
26	Norway Maple/Acer platanoides	30cm	Good	
27	Colorado Blue Spruce/Picea pungens glauca	28cm	Fair	
28	Colorado Blue Spruce/Picea pungens glauca	28cm	Good	
29	Eastern White Cedar/Thuja occidentalis	12cm	Good	
30	American Elm/Ulmus americana	11cm	Fair	
31	Red Pine/ Pinus resinosa	20cm	Good	
32	Norway Spruce/Picea abies	20cm	Good	
33	Colorado Blue Spruce/Picea pungens glauca	26cm	Fair	
34	Black Willow/Salix nigra	28cm	Good	
35	Colorado Blue Spruce/Picea pungens glauca	25cm	Fair	
36	Colorado Blue Spruce/Picea pungens glauca	23cm	Fair	
37	Black Willow/Salix nigra	25cm	Good	
38	Colorado Blue Spruce/Picea pungens glauca	13cm	Fair	
39	Chinese Elm/Ulmus parvifolia	36cm	Good	
40	Red Pine/ Pinus sylvestris	14cm	Good	
41	Scots Pine/ Pinus sylvestris	17cm	Fair-Poor	
42	Scots Pine/ Pinus sylvestris	12cm	Poor	
43	White Pine/ Pinus strobus	18cm	Fair	
44	White Pine/ Pinus strobus	18cm	Fair	
45	Eastern White Cedar/Thuja occidentalis	45cm	Good	
46	Scots Pine/ Pinus sylvestris	24cm	Good	
47	White Spruce/ Picea glauca	12cm	Fair	
48	Black Willow /Salix nigra	74cm	Fair	
49	Red Pine/ Pinus resinosa	21cm	Poor	
50	Colorado Blue Spruce/Picea pungens glauca	27cm	Fair	
51	Colorado Blue Spruce/Picea pungens glauca	25cm	Fair	
52	Colorado Blue Spruce/Picea pungens glauca	21cm	Fair	
53	Crab Apple/Malus spp.	11; 14cm	Good	Double Stemmed, City Property
54	Manitoba Maple/Acer negundo	10cm	Good	City Property
55	Manitoba Maple/Acer negundo	28; 36cm	Poor	Double Stemmed, City Property



TREES TO REMAIN				
NO.	TREE SPECIES	DBH	CONDITION	COMMENTS
24	White Ash/ Fraxinus americana	15; 15cm	Poor	Adjacent private Property
27	American Elm/Ulmus americana	11cm	Fair	Adjacent private Property
28	American Elm/Ulmus americana	10cm	Fair	Adjacent private Property
57	Manitoba Maple/Acer negundo	10cm	Good	Adjacent private Property



TREE PRESERVATION, PROTECTION & REMOVAL NOTES

1. All existing trees to remain shall be protected from damage during construction by maintaining a protection fence at the critical root zone of the tree or group of trees.

-CRZ: Diameter of trunk in cm multiplied by 10cm
2. Storage of materials and/or equipment is prohibited within the drip line of all existing trees to remain.
3. Contractor must comply with the Migratory Birds Convention Act (MBCA), 1994 and Regulations.
4. Trees noted for removal must be cut outside of bird nesting season.
5. Bird nesting season: April 1st until August 31st.

NO.	DATE	DESCRIPTION
SEAL:		NORTH:
		

PROJECT:

Shepherds of Good Hope

765 Montreal Rd
OTTAWA, ON

DRAWING TITLE:	
POST-DEVELOPMENT EXISTING VEGETATION MAP	
DATE:	2018/02/08
SCALE:	As Shown
DRAWN BY:	A.K
PROJECT NO.	18695-1
DRAWING NO.:	
TP-02	

TREE CONSERVATION REPORT

PROJECT NAME:	Shepherds of Good Hope
PROJECT NO.	18695-1
LOCATION	765 Montreal Road, Ottawa, ON
DATE:	April 19 th , 2018

Refer to attached drawings and aerials for further details (TP-01 and TP-02)

SIZE OF DEVELOPMENT AREA (HECTARES)	NUMBER OF TREES ON SITE	NUMBER OF TREES TO BE REMOVED	NUMBER OF TREES TO BE RETAINED AND PROTECTED
0.14	46 (WITHIN PROPERTY BOUNDARY) 08 (ON CITY PROPERTY) 04 (ON ADJACENT PRIVATE PROPERTY)	46 (WITHIN PROPERTY BOUNDARY) 08 (ON CITY PROPERTY)	04 (ON ADJACENT PRIVATE PROPERTY)

2.0 TREE INVENTORY WITHIN PROPERTY LINE

TREE NO.	TREE SPECIES	SIZE (DBH)	CONDITION (GOOD, FAIR, POOR, OR DEAD)	NOTES
1	Russian Olive/ <i>Elaeagnus angustifolia</i>	17; 25cm	Fair	Double stemmed, heavy lean toward street
2	Sugar Maple/ <i>Acer Saccharum</i>	41cm	Good	



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3	Colorado Blue Spruce / <i>Picea pungens</i> 'Glauca'	21cm	Fair	
4	Manitoba Maple/ <i>Acer negundo</i>	17cm	Fair	Heavy lean toward street, on city property
5	Manitoba Maple/ <i>Acer negundo</i>	15cm	Fair	
6	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	25cm	Good	On city property
7	Scots Pine/ <i>Pinus sylvestris</i>	32cm	Fair	
8	Red Pine/ <i>Pinus resinosa</i>	24cm	Fair	
9	Red Pine/ <i>Pinus resinosa</i>	20cm	Good	
10	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	29cm	Good	
11	Norway Spruce/ <i>Picea abies</i>	34cm	Good	
12	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	43cm	Fair	
13	Norway Spruce/ <i>Picea abies</i>	32cm	Fair	On city property
14	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	34cm	Fair	
15	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	32cm	Fair	On city property
16	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	27cm	Fair	
17	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	23cm	Fair	
18	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	24cm	Fair	
19	Manitoba Maple/ <i>Acer negundo</i>	11cm	Poor	Pruned for Hydro, On city property



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20	Jack Pine/ <i>Pinus banksiana</i>	17cm	Poor	
21	Norway Maple/ <i>Acer platanoides</i>	13; 12cm	Fair	Double Stemmed
22	Colorado Blue Spruce/ <i>Picea pungens</i> ' <i>Glauca</i> '	34cm	Good	
23	American Elm/ <i>Ulmus americana</i>	14cm	Poor	
24	White Ash/ <i>Fraxinus americana</i>	15; 15cm	Poor	Adjacent private property
25	Manitoba Maple/ <i>Acer negundo</i>	11; 11cm	Fair	Double Stemmed
26	Manitoba Maple/ <i>Acer negundo</i>	11cm	Good	
27	American Elm/ <i>Ulmus americana</i>	11cm	Fair	Adjacent private property
28	American Elm/ <i>Ulmus americana</i>	10cm	Fair	Adjacent private property
29	Norway Maple/ <i>Acer platanoides</i>	30cm	Good	
30	Colorado Blue Spruce/ <i>Picea pungens</i> ' <i>Glauca</i> '	28cm	Fair	
31	Colorado Blue Spruce/ <i>Picea pungens</i> ' <i>Glauca</i> '	26cm	Good	
32	Eastern White Cedar/ <i>Thuja occidentalis</i>	12cm	Good	
33	American Elm/ <i>Ulmus americana</i>	11cm	Fair	
34	Red Pine/ <i>Pinus resinosa</i>	20cm	Good	
35	Norway Spruce/ <i>Picea abies</i>	20cm	Good	
36	Colorado Blue Spruce/ <i>Picea pungens</i> ' <i>Glauca</i> '	26cm	Fair	
37	Black Willow/ <i>Salix nigra</i>	28cm	Fair	
38	Colorado Blue Spruce/ <i>Picea pungens</i> ' <i>Glauca</i> '	25cm	Good	
39	Colorado Blue Spruce/ <i>Picea pungens</i>	25cm	Fair	



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	'Glauca'			
40	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	23cm	Fair	
41	White Spruce/ <i>Picea glauca</i>	13cm	Fair	
42	Chinese Elm/ <i>Ulmus parvifolia</i>	36cm	Good	
43	Red Pine/ <i>Pinus resinosa</i>	14cm	Good	
44	Scots Pine/ <i>Pinus sylvestris</i>	17cm	Fair-Poor	
45	Scots Pine/ <i>Pinus sylvestris</i>	12cm	Poor	
46	White Pine/ <i>Pinus strobus</i>	18cm	Fair	
47	Eastern White Cedar/ <i>Thuja occidentalis</i>	45cm	Good	
48	Scots Pine/ <i>Pinus sylvestris</i>	24cm	Good	
49	White Spruce/ <i>Picea glauca</i>	12cm	Fair	
50	Black Willow/ <i>Salix nigra</i>	74cm	Fair	
51	Red Pine/ <i>Pinus resinosa</i>	21cm	Poor	
52	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	27cm	Fair	
53	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	25cm	Fair	
54	Colorado Blue Spruce/ <i>Picea pungens</i> 'Glauca'	21cm	Fair	
55	Crab Apple/ <i>Malus Spp.</i>	11; 14cm	Good	Double Stemmed, on city property
56	Manitoba Maple/ <i>Acer negundo</i>	10cm	Good	On city property
57	Manitoba Maple/ <i>Acer negundo</i>	10cm	Good	Double Stemmed, Adjacent private property
58	Manitoba Maple/ <i>Acer negundo</i>	28; 36cm	Poor	Double Stemmed, on city property



3.0 ENVIRONMENTAL VALUE AND ECOLOGICAL FUNCTION

TREE NO.	VALUE SCALE 1-10 (1 POOR-10 HEALTHY)	WOODLOT SIGNIFICANCE	SIGNIFICANCE AS A PART OF A GREENSPACE LINKAGE	CONDITION AND HEALTH (GOOD, FAIR, POOR, OR DEAD)	DISTINCT OR RARE TREES WITHIN PROPERTY BOUNDARY
1-58	5	The trees located within property do not form, or are apart of, a woodlot of significance, as evaluated in the Urban Natural Areas Environmental Evaluation Study (UNAEES).	The trees located within the property do not form part of a greenspace linkage, as evaluated in the Greenspace Master Plan.	20 Good 31 Fair 7 Poor 0 Dead	There is one (1) distinct tree within property (50).

4.0 TREE REMOVAL RATIONALE

TREE NO.	RATIONALE (Describe rationale for tree removal, how it will effect existing systems, surrounding landscape, etc.)
1; 2; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 25; 26; 29; 30; 31; 32; 33; 34; 35; 36; 37; 38; 39; 40; 41; 42; 43; 44; 45; 46; 47; 48; 49; 50; 51; 52; 53; 54; 55; 56; 58	The trees on property listed and noted on TP-01 must be removed. The trees are either in poor health or in direct conflict with the new parking, new building and/or new landscaping, or will be harmed in the process due to construction access and work.



5.0 TREE RETENTION RATIONALE AND MITIGATION MEASURES

TREE NO.	RATIONALE AND MITIGATION DESCRIPTION (Describe rationale for tree retention, impact of development for remaining trees, grade changes, drainage pattern changes, effects of impervious surfaces and new buildings, changes to the water table, long-term survival promotion, etc.)
24; 27; 28; 57	The remaining trees outside the property will remain. The completed buildings and landscape design will not have a significant impact on their ability to grow and remain healthy.

6.0 TREE PROTECTION MEASURES

Measure NO.	Tree Protection Measures
1	Do not place any material or equipment within the CRZ of the tree.
2	Do not attach any signs, notices, or posters to any tree.
3	Do not raise or lower the existing grade within the CRZ of a tree without direction and approval of the landscape architect. Landscape Architect to provide specification of grade changes.
4	Do not damage the root system, trunk or branches of any tree.
5	Ensure that exhaust fumes from all equipment are NOT directed towards the canopy of any tree.

Definition of CRZ:

* D = diameter of trunk in centimeters
D x 10cm = Critical Root Zone (CRZ)

The critical root zone is established as being 10 centimeters from the trunk of a tree for every centimeter of trunk diameter. The trunk diameter is measured at a height of 1.2 metres for trees of 15 centimeters diameter and greater and at a height of 0.3 metres for trees of less than 15 centimeters diameter

7.0 SUGGESTED TREES FOR LANDSCAPE PLAN



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NO. OF PROPOSED TREES	SUGGESTED TREE SPECIES	PERCENT OF TREE OFFSET TO THE SITE (%)
18	<i>Picea pungens</i> <i>Acer saccharum</i> <i>Crataegus crusgali</i> 'Inermis' <i>Celtis occidentalis</i> <i>Gleditsia triacanthos</i> <i>Syringa reticulata</i> (See TP-02 for locations)	33%

8.0 ADDITIONAL INFORMATION

OWNER/ APPLICANT NAME	Shepherds of Good Hope
ADDRESS	765 Montreal Road, Ottawa, On
TEL. NO.	

PROFESSIONAL NAME	Lashley & Associates Landscape Architecture & Site Engineering
ADDRESS	Suite 202, 950 Gladstone Avenue, Ottawa ON K1Y 3E6
TEL. NO.	613-233-8579

CONTRACTOR NAME	TBD
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MUNICIPAL ADDRESSES	765 Montreal Road, Ottawa, ON
LEGAL DESCRIPTIONS (LOT, BLOCK, PLAN)	PLAN 486 S PT Lot 6 RF;4R25842 PART 2 & PLAN 486 PT LOT 6 PIN 042750071 & 042750072, City of Ottawa, Ontario.

CONFIRMATION OF EXISTING OFFICIAL PLAN	
CONFIRMATION OF ZONING DESIGNATIONS	
PREVIOUS STATUS OF APPLICATION	

PURPOSE OF REPORT	<p>To describe the existing tree coverage on the property and to identify the trees to be removed or protected for the construction of a new building, parking lots and landscape design.</p> <p>To identify new trees to be planted on site.</p>
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11.0 SCHEDULE OF PROPOSED WORKS	
START DATE	TBD
SUBSTANTIAL COMPLETION	TBD



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Shepherds of Good Hope

Submitted by:



Ryan Paliga,
Landscape Architect, Arborist