CANOPY COVER CALCULATIONS
MAIN SITE AREA

TREES PROVIDED	CANOPY	SOIL AVAILABLE (SQUARE METERS)	AVERAGE SOIL/TREE (CUBIC METERS)	TOTAL TREES
AREA ONE				
8 LARGE TREES				
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Autmn Blaze Maple	154			
Autmn Blaze Maple	154			
Autmn Blaze Maple	154			
Autmn Blaze Maple	154			
TOTAL		443.42	55.42	8
AREA TWO				
7 LARGE TREES				
Honeylocust	154			
Honeylocust	154			
Honeylocust	154			
Honeylocust	154			
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
TOTAL		513.32	73.33	7
AREA THREE				
19 LARGE TREES				
Sugar Maple	154			
American Beech	154			
American Beech	154			
American Beech	154			
American Beech	154			
American Beech	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
TOTAL		1086.94	57.2	19
AREA FOUR				
20 LARGE TREES				
Bur oak	154			
Bur oak	154			
Sugar Maple	154			
Sugar Maple	154			
Sugar Maple	154			
Sugar Maple	154			
Sugar Maple	154			
American Beech	154			
American Beech	154			
American Beech	154			
American Beech	154			
American Beech	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
TOTAL		1245.65	62.29	20
AREA FIVE				
9 LARGE TREES				
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Black Walnut	154			
Sugar Maple	154			
1 MEDIUM TREE				
Red Maple	78.5			
TOTAL		875.35	87.53	10
AREA SIX				
8 LARGE TREES				
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Pioneer Elm	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
Shagbark Hickory	154			
TOTAL		647.28	80.91	8
AREA SEVEN				
BDIG A				
7a				
1 LARGE TREE				
Honey Locust	154			
		58.29	58.29	1
7b				
3 MEDIUM TREES				
Blue Beech	78.5			
Blue Beech	78.5			
Blue Beech	78.5			
		195.76	62.25	3
7c				
1 MEDIUM TREE				
Blue Beech	78.5			
5 SMALL TREES				
Serviceberry	7			
Serviceberry	7			
Serviceberry	7			
Serviceberry	7			
Serviceberry	7			
		196.7	32.78	6
7d				
4 SMALL TREES				
Ironwood	7			
Ironwood	7			
Ironwood	7			
Ironwood	7			
		119.49	29.8	4
7e				
1 MEDIUM TREE				

CANOPY COVER CALCULATIONS
MAIN SITE AREA - CONTINUED

Blue Beech	78.5			
5 SMALL TREES				
Ironwood	7			
Ironwood	7			
Ironwood	7			
		145.74	36.43	4
7f				
1 MEDIUM TREE				
Blue Beech	78.5			
5 SMALL TREES				
Ironwood	7			
Ironwood	7			
Ironwood	7			
Ironwood	7			
Ironwood	7			
		212.09	35.34	6
7g				
1 LARGE TREE				
Autumn Blaze Maple	154			
2 MEDIUM TREES				
Little Leaf Linden	78.5			
Little Leaf Linden	78.5			
		235.64	78.5	3
7h				
1 MEDIUM TREE				
Litte Leaf Linden	78.5			
2 SMALL TREES				
Ironwood	7			
Ironwood	7			
		109.5	36.5	3
7i				
4 LARGE TREES				
American Beech	154			
American Beech	154			
American Beech	154			
American Beech	154			
		688.07	172.24	4
7j				
1 LARGE TREE				
Honey Locust	154			
		45.85	45.85	1
TOTAL		647.28	80.91	
AREA EIGHT				
BDIG B				
8a				
3 LARGE TREES				
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
		135.57	45.19	3
8b				
1 LARGE TREE				
Sugar Maple	154			
1 MEDIUM TREE				
Red Maple	78.5			
		75.53	37.77	2
8c				
3 MEDIUM TREES				
Blue Beech	78.5			
Blue Beech	78.5			
Blue Beech	78.5			
1 SMALL TREE				
Ironwood	7			
		151.19	37.79	4
8d				
2 MEDIUM TREES				
Red Maple	78.5			
Red Maple	78.5			
3 SMALL TREES				
Ivory Silk Lilac	7			
		104.12	34.7	3
8e				
2 MEDIUM TREES				
Red Maple	78.5			
Red Maple	78.5			
2 SMALL TREES				
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
8f				
2 MEDIUM TREES				
Red Maple	78.5			
Red Maple	78.5			
6 SMALL TREES				
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
Ivory Silk Lilac	7			
		243.37	40.56	8
TOTAL		647.28	80.91	
AREA NINE				
16 LARGE TREES				
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
Bur Oak	154			
Silver Maple	154			
Silver Maple	154			
Silver Maple	154			
Silver Maple	154			
Silver Maple	154			
Silver Maple	154			
Sugar Maple	154			
Sugar Maple	154			
Sugar Maple	154			
Sugar Maple	154			
TOTAL		2354.32	147.14	16
GRAND TOTAL	**16,865.00**	**11,394.11**	**77.51**	**147**

CANOPY COVER CALCULATIONS
CONSERVATION LANDS

TREES PROVIDED	VOLUME	SOIL AVAILABLE (SQUARE METERS)	AVERAGE SOIL/TREE (CUBIC METERS)	TOTAL TREE
recently planted				
channel trees				
East Buffer				
1	171.4509			
2	344.6919			
3	656.747			
4	78.5			
5	230.7561			
6	78.5			
7	?			
8	?			
9	?			
10	556.9599			
11	66.8912			
12	830.4412			
13	154			
14	339.5833			
15	992.0779			
16	?			
17	154			
18	653.6585			
19	228.0257			
20	78.5			
21	681.6917			
22	78.5			
23	406.9681			
24	1002.8842			
25	?			
26	78.5			
27	500.84			
28	78.5			
29	199.901			
30	95.9889			
31	78.5			
32	380.396			
33	?			
34	?			
35	?			
36	?			
37	?			
38	154			
39	67.2788			
40	1865.8573			
41	228.0134			
42	?			
43	172.949			
44	2399.6021			
45	229.1223			
46	?			
47	?			
48	78.5			
49	195.6169			
50	?			
51	?			
52	?			
53	2			
TOTAL	14504.5571	33588.66	163.05	206

CANOPY COVER SUMMARY

CANOPY COVER SUMMARY	REQUIRED:	PROVIDED:
SITE AREA (square meters)	155,945.04	
TARGET CC AREA 30% (square meters)	31,189.00	
CANOPY COVER PROVIDED:		
MAIN BUILDING SITE: (square meters)		16,865.00
CONSERVATION LANDS (square meters)		14,504.15
TOTAL CANOPY COVER PROVIDED		31,369.15
TOTAL CANOPY COVER PROVIDED IN PERCENTAGE:		20.11%
TOTAL NUMBER OF TREES PROVIDED		
MAIN BUILDING SITE: (square meters)		147.00
CONSERVATION LANDS (square meters)		206.00
		353.00
TOTAL SOIL AVAILABLE FOR SITE		
MAIN BUILDING SITE: (cubic meters)		11,394.11
CONSERVATION LANDS (cubic meters)		33,588.66
		44,982.77
TOTAL SOIL VOLUME/TREE		127.42 cubic meters
PARKING SUMMARY	**REQUIRED:**	**PROVIDED:**
TOTAL NUMBER OF PARKING STALLS 5 REQUIRED:	338	340
TOTAL NUMBER OF TREES REQUIRED: 1/5 PARKING STALLS	68	355

ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE ONTARIO BUILDING CODE AND ANY OTHER AUTHORITY HAVING JURISDICTION. ALL DIMENSIONS TO BE CHECKED AND VERIFIED AT THE SITE BY EACH CONTRACTOR. ANY DISCREPANCIES AND/OR ERRORS SHALL BE REPORTED IN WRITING TO THE CONSULTANT BEFORE COMMENCING ANY WORK. ALL DRAWINGS ARE THE COPYRIGHT OF THE CONSULTANT AND REMAIN THE PROPERTY OF THE CONSULTANT

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SITE PLAN INFORMATION PROVIDED BY:

BALDASSARRA ARCHITECTS INC.
30 GREAT GULF DRIVE, UNIT 20
CONCORD, ONTARIO L4K 0K7
905-660-0722
WWW.BALDASSARRA.CA

DEC13-22	PROJECT ADDRESS CHANGE ISSUED FOR CLIENT USE
DEC6-22	REVISED AS PER NEW SITE PLAN REC'D. DEC5-22 ISSUED FOR CLIENT USE
DEC15-21	ISSUED FOR CLIENT USE
DEC9-21	REVISED AS PER NEW SITE PLAN REC'D. DEC9-21 ISSUED FOR CLIENT USE
DEC9-21	REVISED AS PER MUNICIPAL REQEST & COORD. ISSUED FOR CLIENT USE
DEC8-21	REVISED AS PER NEW SITE PLAN DEC1-21 ISSUED FOR CLIENT USE
NOV26-21	REVISED AS PER NEW SITE PLAN NOV25-21 ISSUED FOR CLIENT USE
APR7-21	COORDINATION ISSUED FOR CLIENT USE
APR1-21	ISSUED FOR CLIENT REVIEW

INSITE LANDSCAPE ARCHITECTS INC.
LANDSCAPE ARCHITECTURE URBAN DESIGN MASTER PLANNING
insite@globalserve.net

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
QALA
REGISTERED

STAMPED FOR SPA ONLY

PROJECT:

BUILDING A 700 WINSTON CHURCHILL BLVD.
BUILDING B 750 WINSTON CHURCHILL BLVD.
OAKVILLE ONTARIO

DRAWING:

CANOPY COVER CALCULATIONS

DATE:	PROJECT NO:
MAR.31-21	200907
SCALE: NTS	SHEET CC-2