

Low-impact Root Excavation; Hand-Digging, Air-Spade, Or Hydro-Vac, Under Arborist Supervision At Limit Of Proposed Walkway Construction Within T.P.Z Of Tree #5, #9, And #10. Certified Arborist to prune roots if/where necessary.

CONTRACTOR TO GRADE SWALE ALONG FENCE LINE TO ACHIEVE POSITIVE DRAINAGE. MIN SWALE SLOPE 1% MAX EMBANKMENT SLOPE 3:1

CONTRACTOR TO FLUSH EXISTING STORM SEWER AND CONFIRM OUTLET TO THE EAST. INFORM ENGINEER OF ANY DISCREPANCIES.

Plant 5 Red Oak Trees, and 2 Tulip Trees with a minimum caliper size of 60mm (4cm) in the spring or fall of 2025 following construction.

LEGEND

- CB
- PROPOSED CATCHBASIN
- PROPOSED GRADE
- PROPOSED DRAINAGE ARROW/SLOPE
- PROPOSED SWALE
- PROPOSED EMBANKMENT (3:1 MAX UNLESS OTHERWISE NOTED)
- PROPOSED STORM SEWER/SERVICE
- PROPOSED BOARD FENCE
- PROPOSED CURB
- PROPOSED BUILDING
- PROPOSED GUARDRAIL
- PROPOSED TOE WALL

- PROPERTY LINE
- LOT LINE
- STANDARD IRON BAR
- EXISTING LAMP STANDARD
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING BELL MANHOLE
- EXISTING BELL PEDESTAL
- EXISTING CTV PEDESTAL
- EXISTING GAS VALVE
- EXISTING CATCHBASIN
- EXISTING DOUBLE CATCHBASIN
- EXISTING STORM MANHOLE
- EXISTING CATCHBASIN MANHOLE
- EXISTING DOUBLE CATCHBASIN MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATERMAIN VALVE
- EXISTING SPOT ELEVATION
- EXISTING MAJOR CONTOUR

- EXISTING EMBANKMENT
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING TREE DRIPLINE AND/OR VEGETATION LINE
- EXISTING SANITARY SERVICE
- EXISTING STORM SERVICE
- EXISTING WATERMAIN
- EXISTING GASMAIN
- EXISTING OVERHEAD HYDRO LINE
- EXISTING UNDERGROUND HYDRO LINE
- EXISTING BELL LINE
- EXISTING CABLE LINE
- EXISTING COMMUNICATION LINE
- EXISTING FIBER OPTIC LINE
- EXISTING DITCH CENTRELIN
- EXISTING CHAINLINK FENCE
- EXISTING BOARD FENCE

3.	ISSUED FOR 99% CD	24.01.27
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- NOTES:
- UTM GRID, DERIVED FROM GPS OBSERVATION ARE REFERRED TO UTM ZONE 17, NAD83 (CSRS).
  - DRAWING COORDINATES HAVE BEEN SCALED TO GROUND LEVEL DISTANCES BASED ON THE APPROXIMATE CENTROID OF THE PARCEL.
  - UNDERGROUND UTILITIES AND SERVICES ARE FOR VISUAL PURPOSES ONLY AND WALTERFEDY ASSUMES NO RESPONSIBILITY OF THEIR LOCATIONS OR PURPOSES.
  - ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928: 78), DERIVED FROM GNSS OBSERVATIONS USING A REAL-TIME CORRECTION SERVICE.

NO.	REVISIONS	DATE	BY
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PROJECT:  
**MILL COURTLAND  
COMMUNITY CENTRE  
ADDITION**  
216 MILL STREET  
KITCHENER, ONTARIO  
CITY OF KITCHENER

DRAWING:  
**GRADING AND SERVICING  
PLAN  
1 of 1**



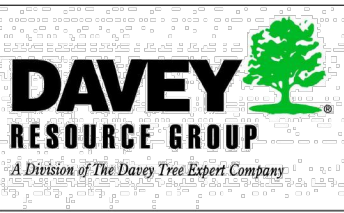
**BARRY BRYAN  
ASSOCIATES**  
Architects  
Engineers  
Project Managers  
250 Water Street  
Suite 201  
Whitby, Ontario  
L1N 0G5  
Tel: (905) 666-5252  
Fax: (905) 666-5256  
e-mail: bba@bba-archeng.com

DESIGN BY: SF, TDK	DOC CONTROL: DATE:
DRAWN BY: TDK, DL, TG	% COMPLETE:
CHECKED BY: SF	INITIAL:
DATE: 2025-01-22	
SCALE: 1:300	
FILE: 2024-0495-10	

- NOTES:
- All field data have been recorded by ISA Certified Arborist Aaron Geurts (ON-3187A)
  - All tree locations are based on the site plan and/or survey supplied by the client, and field observation by the arborist.
  - This plan shall be used in conjunction with the Tree Protection Action Key (TPAK). Specific information regarding tree species, condition, and protection protocols are listed therein.
  - Refer to the Arborist Report prepared for this project for specific instruction regarding tree protection requirements.

- PLAN KEY
- TREE RECOMMENDED FOR REMOVAL
  - RETAINED TREE
  - CONIFEROUS TREE FOR REMOVAL
  - RETAINED CONIFEROUS TREE
  - REPLACEMENT TREE
  - RETAINED HEDGEROW
  - HEDGEROW FOR REMOVAL
  - TREE PROTECTION FENCE
  - TREE PROTECTION ZONE

No.	DATE	BY	REVISIONS
001	02/10/2025	A.G	Tree Protection Plan
002	02/18/2025	A.G	Tree Protection Plan



TITLE: 216 Mill St, Kitchener	
CLIENT: Kristina Schneider	
DRAWING NO.: 001	SCALE: 1:500
JOB NO.:	SHEET: 1 of 4












Tree Map Number	Species	Botanical	DBH (cm) @ 1.4 m	Tree Category	Tree Protection Zone (Dripline + 1 m)	Health	Structure	Overall Condition	Crown Class	Tree Value and Physical Constraints	Tree Height (m)	Crown Width (m)	Live Crown Ratio (%)	Deadwood (%)	Construction inside Min TPZ? (Y/N)	Construction Impact (None, Low, Medium, High)	Action	Notes and Recommendations	# Of Replacement Trees
1	Locust, Honey	<i>Gleditsia triacanthos</i>	33	City	3.5	Poor	Poor	Poor	Dominant	Native, In City Right-Of-Way	5	5	45	35	N	None	Preserve		N/A
2	Locust, Honey	<i>Gleditsia triacanthos</i>	38	City	3.0	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	5	4	70	30	N	None	Preserve	Two Stems; 28cm & 26cm	N/A
3	Pine, Scotch	<i>Pinus sylvestris</i>	19	City	2.8	Good	Fair	Good	Dominant	Non-Native, In City Right-Of-Way	4	4	90	10	N	None	Preserve		N/A
4	Maple, Norway	<i>Acer platanoides</i>	47	City	4.5	Fair	Poor	Fair	Dominant	Non-Native, In City Right-Of-Way	8	7	70	30	N	None	Preserve	Two Stems; 30cm & 36cm	N/A
5	Walnut, Black	<i>Juglans nigra</i>	37	City	4.5	Good	Fair	Good	Dominant	Native, In City Right-Of-Way	8	7	85	15	Y	Low	Injure	Grade Change Within T.P.Z	N/A
6	Locust, Honey	<i>Gleditsia triacanthos</i>	24	City	3.0	Poor	Poor	Poor	Dominant	Native, In City Right-Of-Way	4	4	60	40	N	None	Preserve	Two Stems; 10cm & 22cm	N/A
7	Locust, Honey	<i>Gleditsia triacanthos</i>	25	City	3.3	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	4	5	75	25	N	None	Preserve		N/A
8	Walnut, Black	<i>Juglans nigra</i>	32	City	4.0	Good	Good	Good	Dominant	Native, In City Right-Of-Way	9	6	80	20	N	None	Preserve		N/A
9	Oak, English	<i>Quercus robur</i>	39	City	4.5	Good	Poor	Good	Dominant	Non-Native, In City Right-Of-Way	7	7	90	10	Y	Medium	Injure	Grade Change Within T.P.Z	N/A
10	Locust, Honey	<i>Gleditsia triacanthos</i>	30	City	3.0	Poor	Poor	Poor	Dominant	Native, In City Right-Of-Way	4	4	70	30	N	None	Preserve		N/A
11	Oak, English	<i>Quercus robur</i>	26	City	3.0	Good	Fair	Good	Dominant	Non-Native, In City Right-Of-Way	6	4	90	10	Y	Low	Injure	Grade Change Within TPZ	N/A
12	Tulip Tree	<i>Liriodendron</i>	7	City	1.5	Good	Good	Good	Dominant	Native, Loacted At Bottom Of Slope In The Rear Yard	3	1	95	5	N	None	Preserve		N/A
13	Locust, Honey	<i>Gleditsia triacanthos</i>	47	City	4.0	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	5	6	75	25	Y	High	Remove	Three Stems; 20cm, 33cm, & 26cm / Grade Change Within T.P.Z	5
14	Beech, American	<i>Fagus</i>	14	City	2.5	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	3	3	90	10	Y	High	Remove	Two Stems; 11cm & 9cm / Grade Change Within T.P.Z	2
15	Locust, Honey	<i>Gleditsia triacanthos</i>	50	City	6.0	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	3	3	90	10	Y	High	Remove	Grade Change Within T.P.Z	5
16	Locust, Honey	<i>Gleditsia triacanthos</i>	26	City	4.0	Fair	Poor	Fair	Dominant	Native, In City Right-Of-Way	5	6	75	25	Y	High	Remove	Grade Change Within T.P.Z	3
17	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	22	City	2.5	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	8	3	85	15	N	None	Preserve		N/A
18	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	35	City	1.8	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	7	4	90	10	N	None	Preserve	Grade Change Within T.P.Z	N/A
19	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	21	City	2.5	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	8	3	80	20	N	None	Preserve		N/A
20	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	28	City	2.5	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	8	3	90	10	N	None	Preserve		N/A
21	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	32	City	4.0	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	9	6	85	15	N	None	Preserve		N/A
22	Walnut, Black	<i>Juglans nigra</i>	42	City	5.0	Good	Good	Good	Dominant	Native, At Bottom Of Slope, In The Rear Yard	12	8	80	20	N	None	Preserve		N/A
23	Maple, Manitoba (Box elder)	<i>Acer negundo</i>	49	City	5.5	Fair	Poor	Fair	Dominant	Native, At Bottom Of Slope, In The Rear Yard	8	9	70	30	N	None	Preserve	Four Stems; 25cm, 28cm, 21cm, & 23cm	N/A

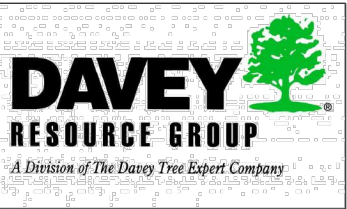
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001	02/10/2025	A.G	Tree Protection Plan
002	02/18/2025	A.G	Tree Protection Plan



TITLE:

216 Mill St, Kitchener

CLIENT:

Kristina Schneider

DRAWING NO.:

N/A

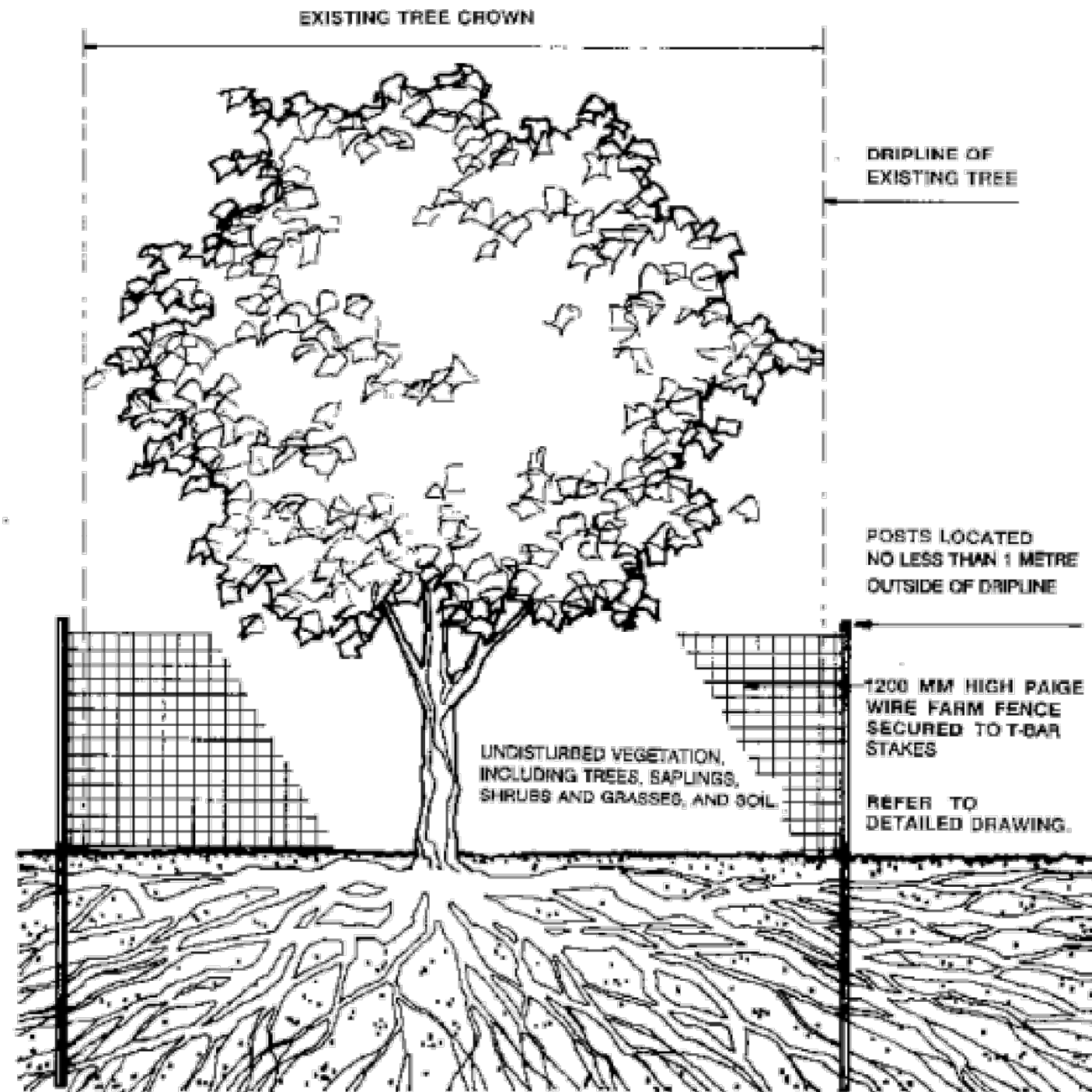
SCALE:

N/A

JOB NO.:

SHEET:

2 of 4



### Temporary Protective Fencing : Tree Protection


#### 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 and shall not be used for the storage of building materials or equipment access and storage or project related garbage.
3. Tree protection measures shall remain until the completion of fine grading and sodding or seeding.

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#### CLIENT:

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DRAWING NO.:  
N/A


SCALE:  
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3 of 4



# CONCEPT SIGNAGE



# Tree Conservation Plan In Effect

**NO** DUMPING  
STORAGE OF MATERIALS  
TREE REMOVAL  
DISTURBANCE OF ANY KIND  
**BEYOND THIS POINT**

DEVELOPER'S NAME

DEVELOPER'S TELEPHONE NUMBER

CONSULTANT'S NAME




CONSULTANT'S TELEPHONE NUMBER

MOUNTED ON GATOR BOARD  
MINIMUM SIZE 11" x 17"

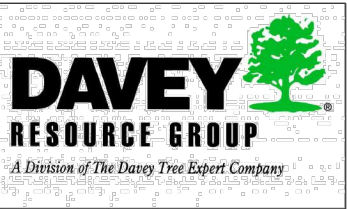
SIGN TO BE PLACED 45M O.C. ALONG FENCE  
SECURED WITH OUTDOOR PLASTIC LOCKING TIE-WRAPS

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216 Mill St, Kitchener

CLIENT:  
Kristina Schneider

DRAWING NO.: N/A	SCALE: N/A
JOB NO.:	SHEET: 4 of 4