

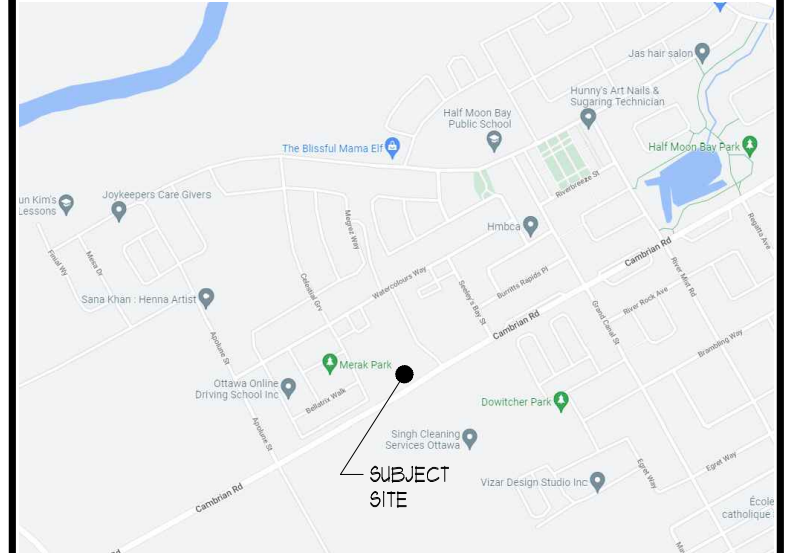
LANDSCAPE PLAN
SCALE = 1:300

CAMBRIAN ROAD

GREENBANK ROAD (FUTURE ROAD)

PLANT MATERIAL

KEY	COMMON NAME	BOTANICAL NAME	QTY	SIZE	COND
Am	MULTI-STEM SERVICEBERRY	Amelanchier canadensis multi-stem	12	150cm	POT
Ar	RED MAPLE	Acer rubrum 'Sunset'	8	60mcal	UB
As	SUGAR MAPLE	Acer saccharum	5	60mcal	UB
Co	HACKBERRY TREE	Celtis occidentalis	3	60mcal	UB
Cv	POU POU CONE FLOWER	Echinacea purpurea 'POU POU WHITE'	14	2y'gal	POT
Di	PARDON ME DAYLILY	Hemerocallis 'Pardon Me'	11	2y'gal	POT
Dv	BUSH HONEY SUCKLE	Dierilla lonicera	40	60cm	POT
Go	MAIDEN HAIR TREE	Ginkgo biloba	2	60mcal	UB
Gl	SHADEMASTER LOCUST	Gleditsia triacanthos 'Shademaster'	8	60mcal	UB
H	FRANCEE HOSTA	Hosta Francese	21	2y'gal	POT
Ha	BOBO HYDRANGEA	Hydrangea paniculata 'BOBO'	62	2y'5gal	POT
Hv	VERNAL WITCH HAZEL	Hänniella vernalis	1	50cm	POT
Jh	FRINGE OF WALES JUNIFER	Juniperus horizontalis 'Fringe of Wales'	6	60cm	POT
Pe	LITTLE BUNNY FOUNTAIN GRASS	Pennisetum alopecuroides 'Little Bunny'	123	2y'gal	POT
Pg	FAT ALBERT SPRUCE	Picea pungens 'FAT ALBERT'	1	50cm	POT
Pm	SQUARE MUGO PINE	Pinus mugo 'Pumilo'	8	60cm	POT
Pv	NORWAY SPRUCE	Picea abies	1	50cm	UB
Ps	WHITE PINE	Pinus strobus	1	200cm	UB
Pv	SHENANDOAH BUTCH GRASS	Panicum virgatum 'Shenandoah'	18	2y'gal	POT
Qr	RED OAK	Quercus rubra	1	60mcal	POT
Ra	ALPINE CURRIANT	Ribes alpinum	41	60cm	POT
Ru	RUSSIAN SAGE	Perovskia atriplicifolia	25	2y'gal	POT
Tl	GLENLEVEN LINDEN	Tilia cordata 'Glenleaven'	3	60mcal	UB
To	DENSE YEW	Taxus x media 'Densiformis'	3	80cm	POT
Tr	WHITE CEDAR	Thuja occidentalis	10	50cm	POT



KEY MAP

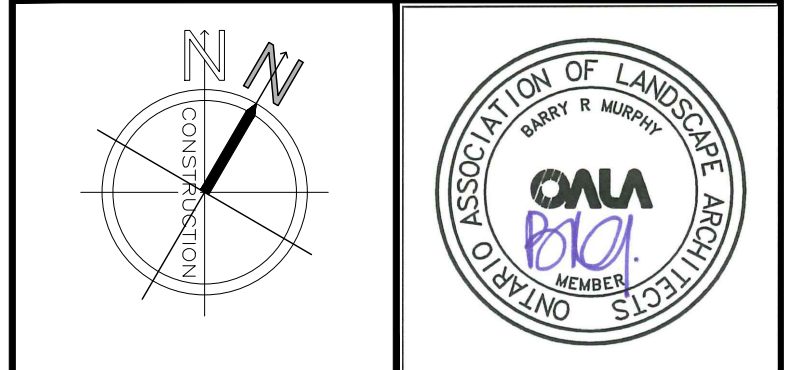


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Barry R. Murphy, O.A.L.A. C.S.L.A. DATE

DATE	DESCRIPTION	No.
APR2823	ISSUED FOR SPA	4.
APR2523	ISSUED FOR REVIEW	3.
APR1823	ISSUED FOR COORDINATION	2.
MAR2123	ISSUED FOR REVIEW	1.

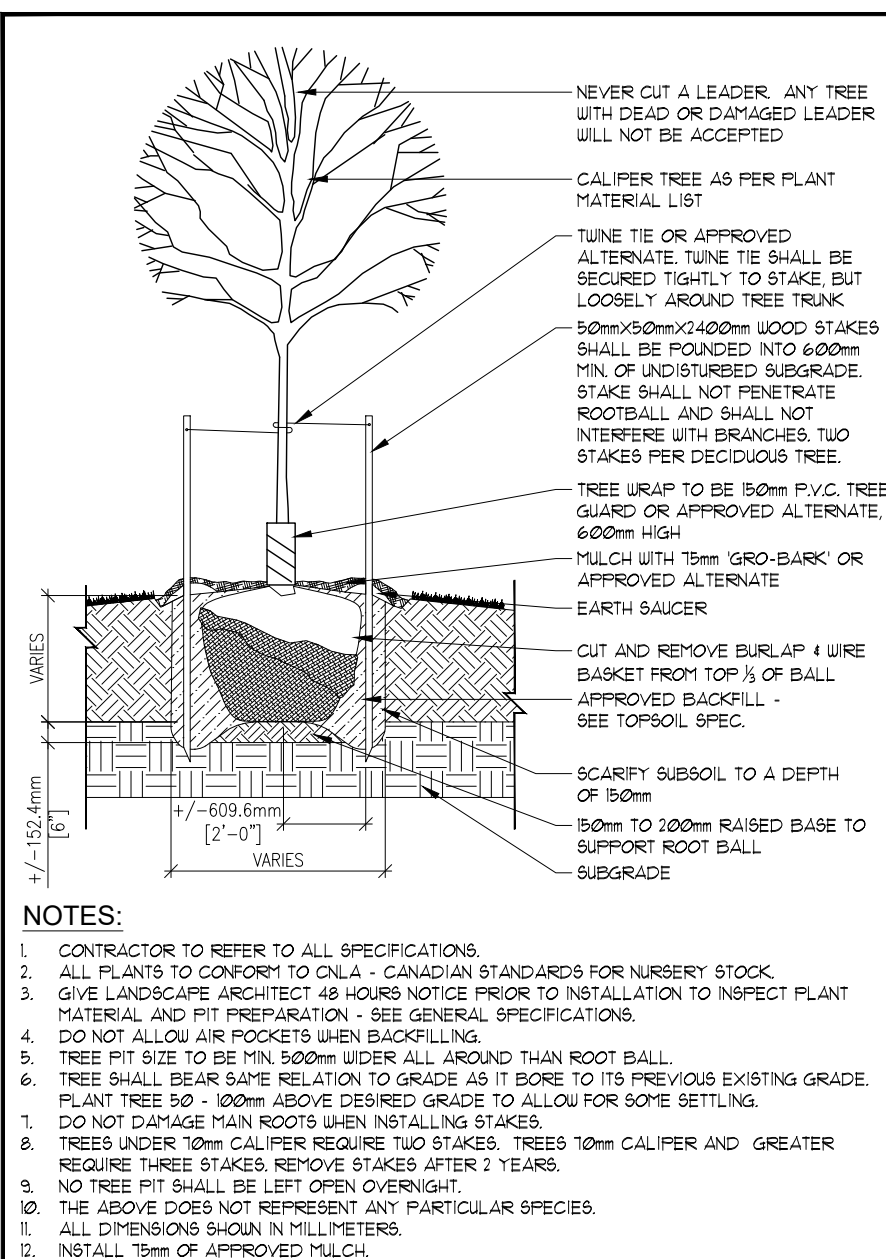
PLOTTING INFORMATION
PLOTTED DATE + APR2823
PLOTTED SCALE + 1:1



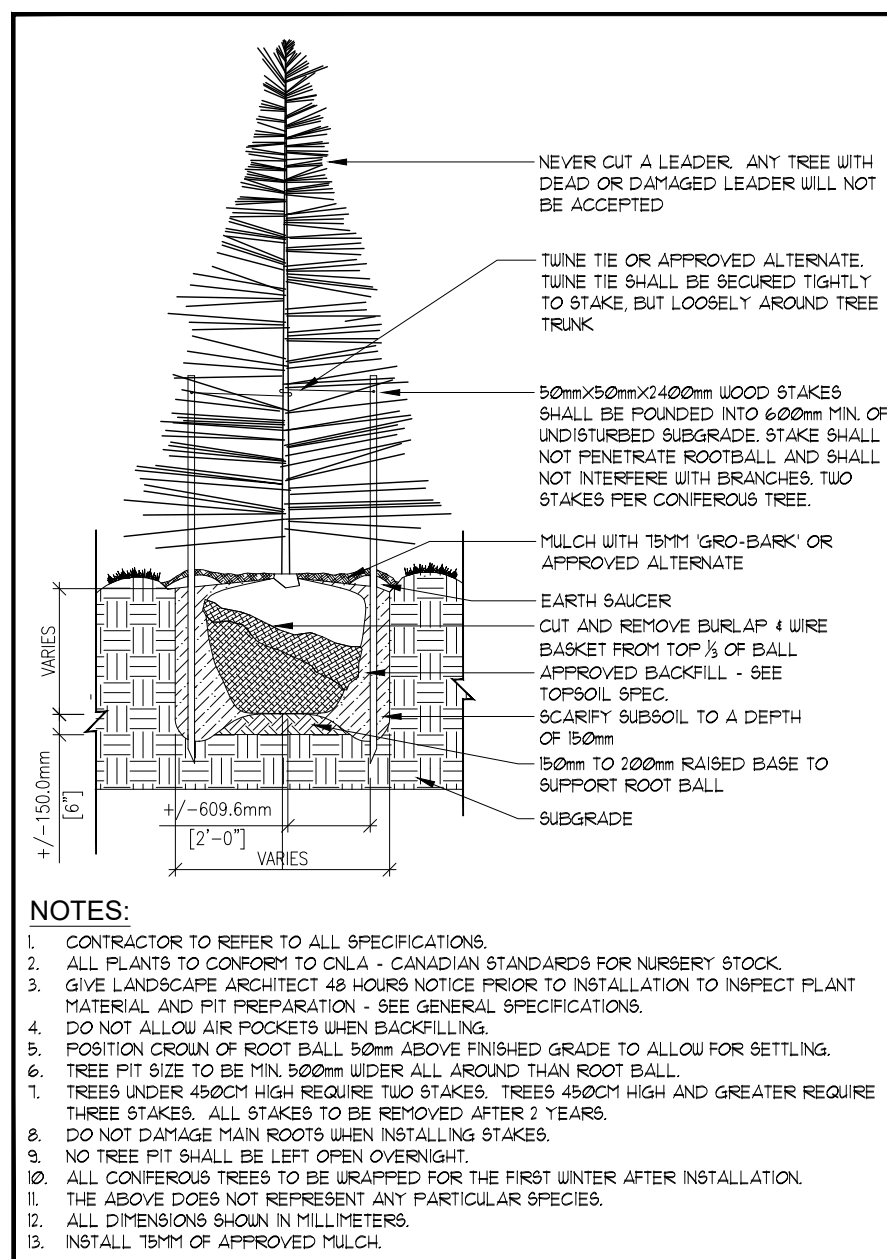
PROJECT TITLE:
PROPOSED COMMERCIAL (NORTH PARCEL)
CAMBRIAN RD.
BARRHAVEN, ONTARIO

DRAWING TITLE:
LANDSCAPE PLAN

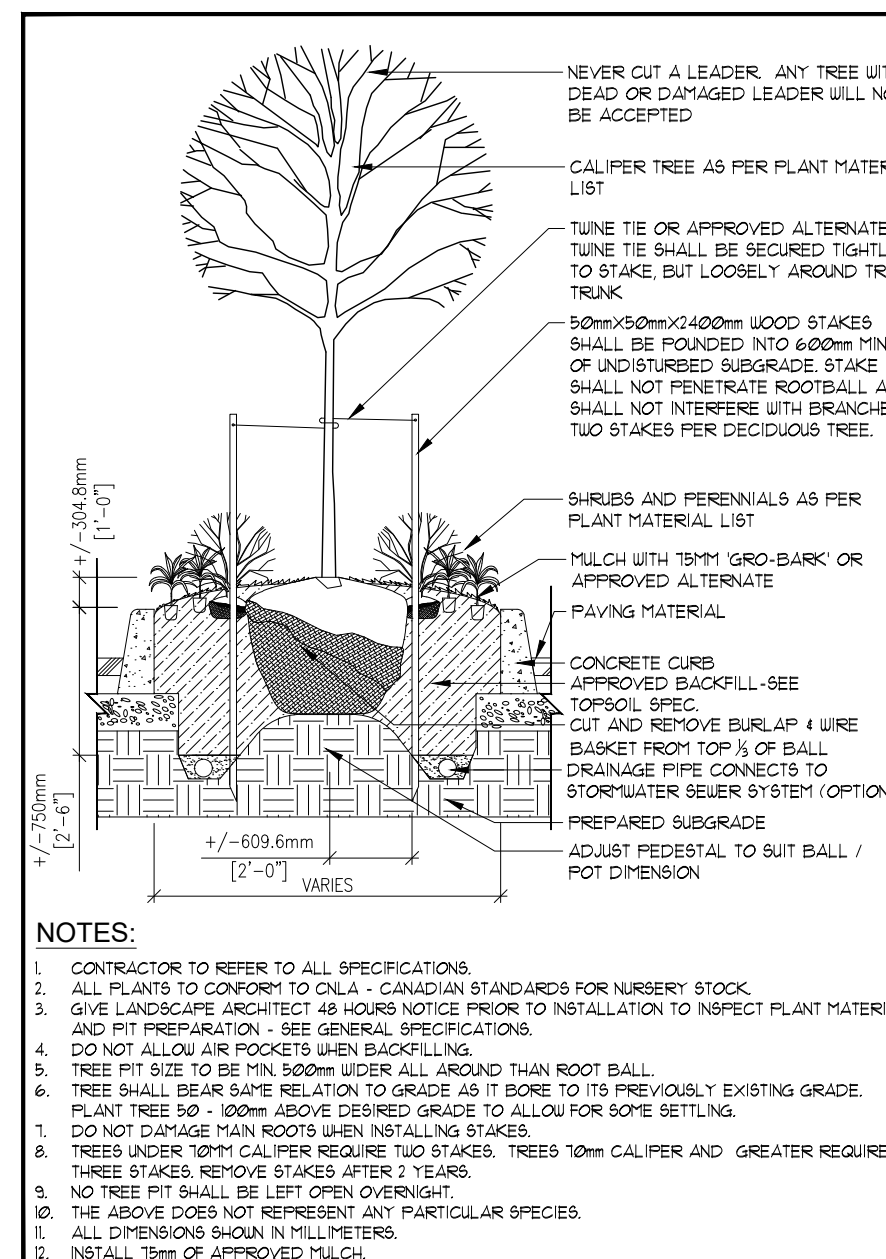
DATE: DECEMBER 2022	SCALE: AS NOTED	DRAWING No. L-1
DRAWN: RKL/A Inc.	CHECKED BY: B.R.M.	
PROJECT No. 22-306Lh SPA		



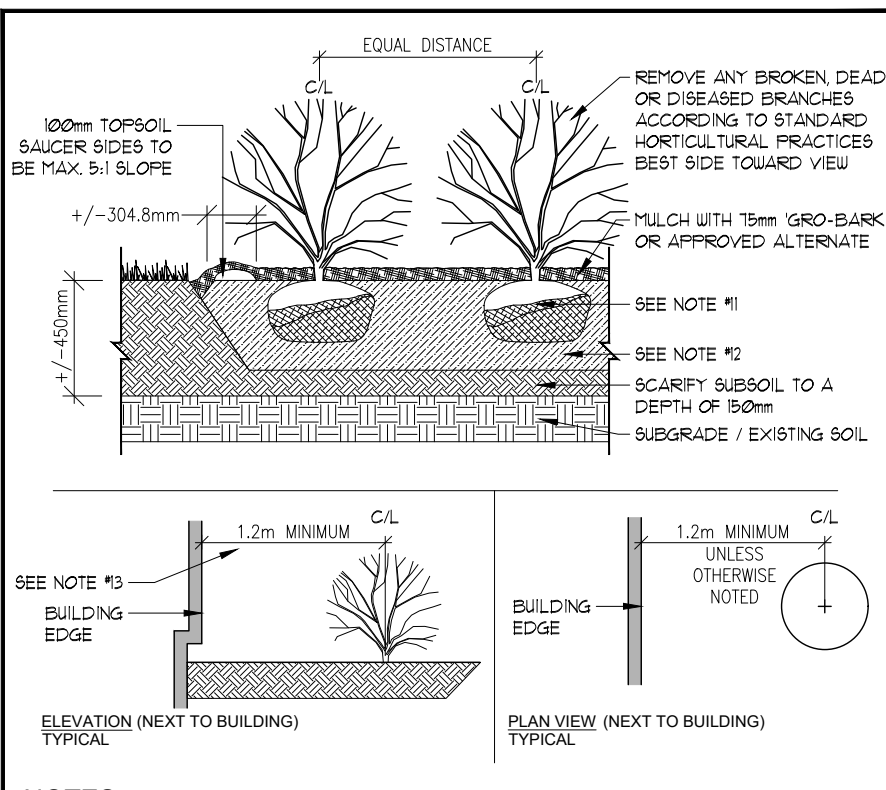
DECIDUOUS TREE PLANTING DETAIL - N.T.S.



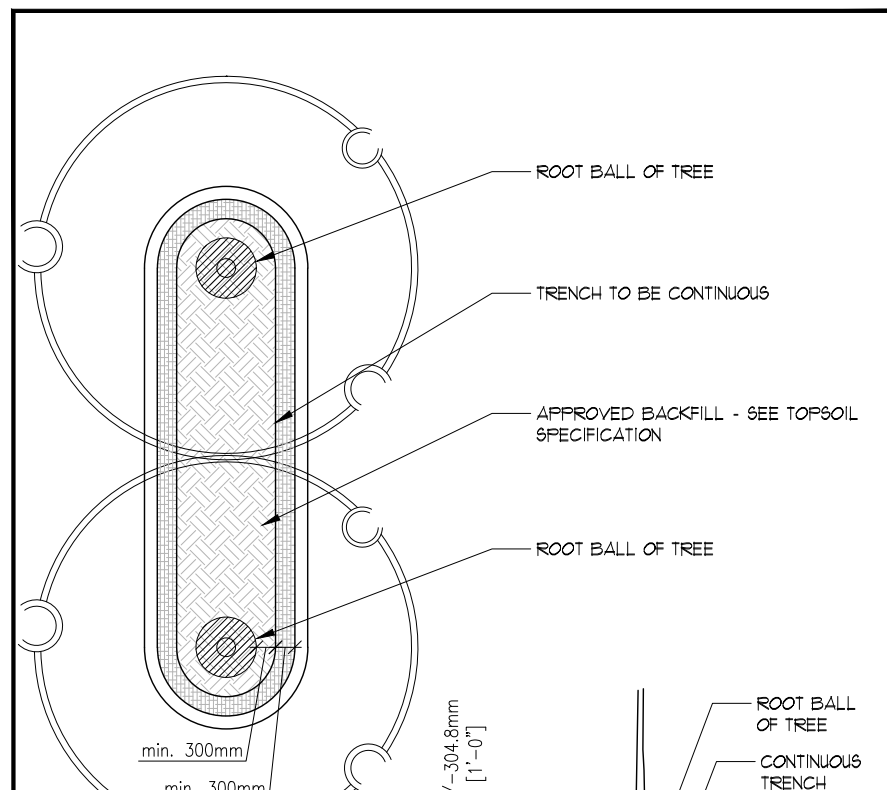
CONIFEROUS TREE PLANTING DETAIL - N.T.S.



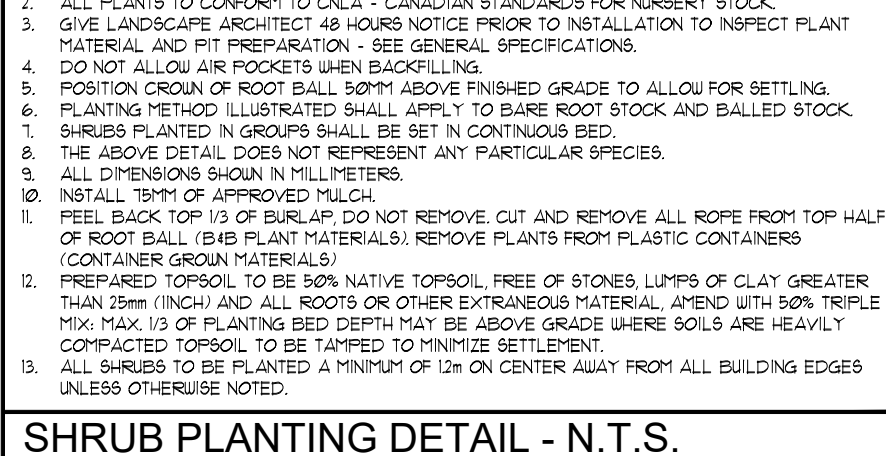
TYPICAL ISLAND PLANTING DETAIL - N.T.S.



SHRUB PLANTING DETAIL - N.T.S.

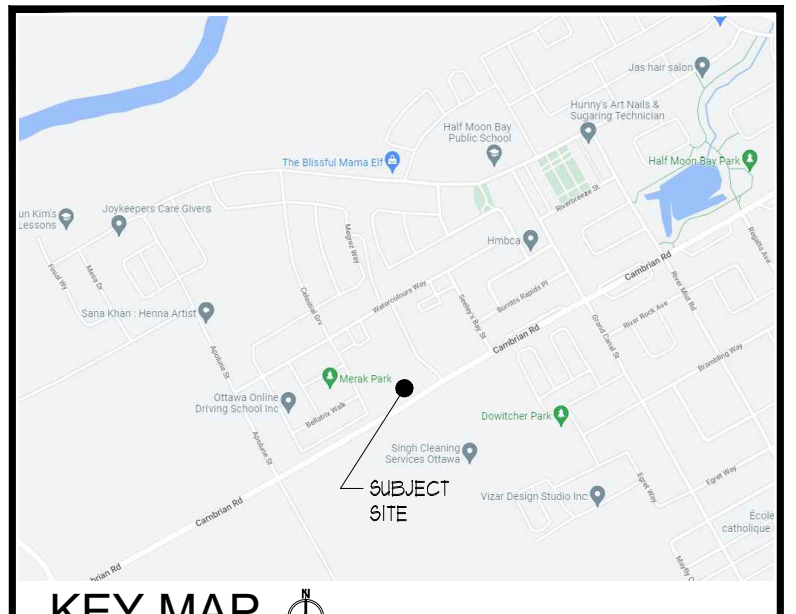


CONTINUOUS TRENCH DETAIL - N.T.S.



GENERAL PLANTING SPECIFICATIONS:

1. BASE INFORMATION SUPPLIED BY TURNER FLEISCHER ARCHITECTS INC.
 2. ENGINEERING INFORMATION SUPPLIED BY PARSONS
 3. CONTRACTOR TO MAKE THEMSELVES FAMILIAR WITH ALL RELATED SPECIFICATIONS.
 4. CONTRACTORS ARE RESPONSIBLE FOR REVIEW OF ALL SPECIFICATIONS AND RELATED DRAWINGS WITH SELECTED SUB-CONTRACTORS AS THEY PERTAIN TO WORK AS OUTLINED ON LANDSCAPE ARCHITECTURAL WORKING DRAWINGS AND SPECIFICATIONS.
 5. REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT DURING TENDERING PROCESS. ERRORS AND/OR OMISSIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 6. CONTRACTOR SHALL MAINTAIN ALL LANDSCAPED AREAS UNTIL OWNER ACCEPTANCE OF PROJECT. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IN WRITING ON COMPLETION OF PROJECT FOR A SITE WORK COMPLETION CERTIFICATE AS WELL AS THE COMMENCEMENT OF THE ACCEPTANCE OF PROJECT.
 7. ALL WORKMANSHIP TO BE GUARANTEED FOR ONE YEAR UNLESS OTHERWISE STATED. WARRANTY PERIOD WILL BEGIN ON FINAL ACCEPTANCE OF PROJECT.
 8. ALL WORKMANSHIP TO COMPLY WITH THE CANADIAN LANDSCAPE STANDARDS.
 9. ALL NURSERY STOCK TO BE #1 NURSERY GROWN AND MUST COMPLY WITH THE CANADIAN NURSERY LANDSCAPE ASSOCIATION'S 'CANADIAN NURSERY STOCK STANDARD' LATEST EDITION.
 10. ALL LANDSCAPING IS TO BE INSTALLED PRIOR TO THE END OF THE FIRST GROWING SEASON FOLLOWING THE OCCUPANCY OF THE SITE DEVELOPMENT UNLESS OTHERWISE STATED.
 11. CONTRACTOR IS RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND MUST NOTIFY THE LANDSCAPE ARCHITECT WITH COPIES OF LOCATE CERTIFICATES PRIOR TO COMMENCEMENT OF WORK.
- GRADING**
1. CONTRACTOR TO ENSURE POSITIVE DRAINAGE IN ALL AREAS.
 2. ALL GRADING TO BE IN ACCORDANCE WITH SITE ENGINEERS DRAWINGS.
 3. SOIL SHALL BE SCARIFIED FREE OF ALL STONES, ROOTS, BRANCHES LARGER THAN 1" (25MM) AND COMPACTED TO 85% R.P.D.
 4. ALL SUBSOIL TO BE SCARIFIED TO A DEPTH OF 6" (150MM) PRIOR TO THE INSTALLATION OF TOPSOIL TO ENSURE NO HARDSPAN CONDITIONS.
 5. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF TOPSOIL TO APPROVE SUBBASE.
 6. DIRECT ALL RAINLEADERS AND SUPPLEADERS AWAY FROM PLANTING BEDS AND TO THE DESIGNATED SWALES.
 7. NOTIFY LANDSCAPE ARCHITECT IN WRITING OF ANY SUBSTANTIAL LIET CONDITIONS.
- TOPSOIL**
1. AT THE CONTRACTOR'S EXPENSE A SOIL TEST IS TO BE COMPLETED BY A REPUTABLE LABORATORY. THE SOIL TEST IS TO BE COMPLETED AND IF NECESSARY, RECOMMENDATIONS FROM THE LABORATORY ARE TO BE INCLUDED. THE RESULTS OF SOIL TESTS AND RECOMMENDATIONS ARE TO BE PROVIDED TO THE LANDSCAPE ARCHITECT FOR APPROVAL ONE WEEK PRIOR TO WORK COMMENCING.
 2. TOPSOIL FOR PLANTING BEDS IS TO BE A FERTILE, FRIABLE, NATURAL LOAM TO A MINIMUM DEPTH OF 8" (60MM) AND A MINIMUM DEPTH OF 4" (100MM) FOR TURF AREAS - UNLESS OTHERWISE STATED - TOPSOIL SHALL CONTAIN NOT LESS THAN 4% ORGANIC MATTER FOR CLAY LOAMS AND NOT LESS THAN 3% ORGANIC MATTER FOR SANDY LOAM TO A MAXIMUM OF 8% AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. FREE OF SUBSOIL, CONTAMINATION, ROOTS AND STONES OVER 50mm DIAMETER. REASONABLY FREE OF WEEDS, AS DETERMINED BY THE LANDSCAPE ARCHITECT, AND HAVING A PH RANGING FROM 6.0 TO 7.0.
 3. TOPSOIL IS TO BE STOCKPILED FOR USE ON SITE DEVELOPMENT. AVOID MIXING TOPSOIL WITH SUBSOIL. LIMIT HEIGHT OF STOCKPILE TO 2M TO RETAIN SOIL MICROORGANISMS AND SOIL VIABILITY AND FERTILITY.
 4. IF APPLICABLE, ALL WORK IN ANY ROAD ALLOWANCE SHALL MEET THE MINIMUM SPECIFICATIONS OF THE MUNICIPALITY. ENSURE A MINIMUM OF 100MM TOPSOIL IS INSTALLED IN BOULEVARDS.
 5. PROTECT THE MUNICIPALITY OWNED ROAD ALLOWANCE(S)/BOULEVARD(S) FROM COMPACTION OR SOIL CONTAMINATION.
- MULCH**
1. ALL TREES/SHRUB PIT(S) AND PLANTING AREAS ARE TO BE MULCHED UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO INSTALL 2" (51MM) OF G.R.O. LEAFY MEDIUM MULCH IN ALL AREAS.
 3. ALTERNATIVES MAY BE ACCEPTED - CONTRACTOR TO PROVIDE 3 SAMPLES FOR WRITTEN APPROVAL TO THE LANDSCAPE ARCHITECT.
- PLANT MATERIALS**
- CONTRACTOR TO VERIFY ALL PLANT MATERIAL ON DRAWING(S) AND PLANT MATERIAL LIST(S). REPORT ALL DISCREPANCIES AT TENDERING PROCESS.
1. SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT WRITTEN CONFIRMATION BY THE LANDSCAPE ARCHITECT.
 2. PLANTINGS MAY BE ADJUSTED TO SUIT UTILITIES STRUCTURES AND AESTHETIC CONCERNS. ADJUSTMENTS ARE TO BE MADE UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. ADJUSTMENTS TO PLANTING WITHOUT CONSENT OF LANDSCAPE ARCHITECT AND/OR PROJECT MANAGER MAY NOT MEET INTENT OF DESIGN AND/OR MUNICIPAL APPROVALS. PLANT MATERIAL THAT HAS TO BE RELOCATED AS A RESULT WILL BE AT THE COST OF THE CONTRACTOR.
 3. LANDSCAPE ARCHITECT TO INSPECT ALL PLANT MATERIAL ON SITE OR AT ITS SOURCE PRIOR TO INSTALLATION. CONTRACTOR IS TO GIVE LANDSCAPE ARCHITECT 48 (48H) NOTICE FOR INSPECTION.
 4. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IN WRITING IF ADVERSE WEATHER MAY IMPACT THE HEALTH OF THE PLANT MATERIALS AT TIME OF PLANTING. I.E. TEMPERATURE, PRECIPITATION.
 5. ALL TREE PIT(S) SHALL BE AT LEAST 2 FT. (600MM) WIDER THAN BALL OF THE TREE TO BE PLANTED AND SHALL BE DEEP ENOUGH SO THAT THE TOP OF BALL IS AT THE SAME LEVEL AS SURROUNDING GRADE. A MINIMUM OF 6" (150MM) OF BACKFILL SHALL BE PLACED UNDER BALL. TREE PITS ARE NOT TO BE LEFT OPEN OVER NIGHT.
 6. SHRUB BED(S) SHALL BE EXCAVATED TO A DEPTH OF 8" (400MM) AND FILLED WITH APPROVED BACKFILL MATERIAL. SHRUB BEDS ARE NOT TO BE LEFT OPEN OVER NIGHT.
 7. ALL TREES SHALL HAVE AN EARTH SAUCER AT ITS BASE WITH A DIAMETER AS LARGE AS EXCAVATED AREA AND SHAPED TO RETAIN WATER (SEE DETAIL). EARTH SAUCER TO HAVE APPROVED MULCH INSTALLED TO A MINIMUM DEPTH OF 25" (630MM).
 8. ALL BURGLAP SHALL BE CUT AND BURIED BELOW SURFACE DURING PLANTING.
 9. ALL EVERGREENS ARE TO UNWRAP THE FIRST WINTER AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR.
 10. ALL SHRUBS PLANTED WITHIN 4' OF SALTED ROADWAYS/PARKING AND SIDEWALKS TO BE PROTECTED WITH SILT FENCING THROUGHOUT THE FIRST WINTER AFTER INSTALLATION AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR (OPTIONAL).
 11. DIRECT ALL RAINLEADERS AND SUPPLEADERS AWAY FROM PLANTING BEDS AND TO DESIGNATED DRAINAGE SWALES.
 12. DO NOT INSTALL PLANT MATERIAL IN DRAINAGE SWALES.
 13. CONTRACTOR IS TO REMOVE ALL STAKES AND GUY WIRES AFTER 2 FULL GROWING SEASONS.
- SOD**
1. ALL LANDSCAPED AREAS TO BE SODDED TO THE STREET CURB (S) UNLESS OTHERWISE STATED.
 2. CONTRACTOR TO ENSURE (WHERE APPLICABLE) ALL PLANTING BEDS ADJACENT TO TRAFFIC ISLANDS, INTERIOR SITE CURBING, AND SIDEWALKS HAVE A 3" (75MM) SOD MAINTENANCE STRIP INSTALLED.
 3. ANY SODDING OR WORKS ON LANDS ADJUTING THE PROPERTY FROM THE LOT LINES TO SIDEWALK AND CURBING SHALL BE COMPLETED OR REPAIRED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, CITY, AND/OR REGIONAL MUNICIPALITY UNLESS OTHERWISE STATED.
 4. SOD SHALL BE CERTIFIED #1 CULTIVATED TURF GRASS GROWN AND SOLD IN ACCORDANCE WITH THE CLASSIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO AT TIME OF SOD. IT SHALL HAVE A STRONG FIBROUS ROOT SYSTEM AND SHALL BE CUT IN PIECES APPROXIMATELY ONE SOYD (3000 M2) IN AREA WITH THE SOIL PORTION BEING 3/4" (19MM).
 5. SOD TO BE FERTILIZED AT THE APPROPRIATE RATES AS INDICATED BY SOIL TESTS COMPLETED BY A REPUTABLE SOILS LABORATORY.
 6. UPON INSTALLATION AREAS SHOULD BE WATERED SO AS TO SATURATE SOD AND THE UPPER 4" (100MM) OF BACKFILL TOPSOIL. AFTER SOD AND SOIL HAVE DRIED SUFFICIENTLY TO PREVENT DAMAGE, IT SHALL BE ROLLED WITH A ROLLER PROVIDING 1500 LBS. (68KG) PRESSURE PER SOFT.
 7. CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR CLIENT.
- WATERING**
1. DURING THE WARRANTY PERIOD, BETWEEN MAY 15 AND SEPTEMBER 30 OF EACH YEAR, WATERING OF ALL PLANTS SHALL BE CARRIED OUT NO LESS THAN 6 TIMES PER YEAR IN ACCORDANCE WITH THE WATERING SCHEDULE TO BE DETERMINED BY THE OWNER UNLESS OTHERWISE STATED ON THE DRAWINGS. CRITICAL WATERING MONTHS ARE JUNE, JULY & AUGUST.
 2. IF NO AUTOMATED IRRIGATION SYSTEM HAS BEEN PROVIDED FOR WATERING OPERATIONS, CONTRACTOR TO PROVIDE WATER TO THE SITE. F HOSE BIBS WITHIN THE BUILDING ENVELOPE ARE NOT AVAILABLE.
 3. MANUAL WATERING SHOULD ENSURE DEEP WATERING OF TREES, SHRUBS, GROUND COVERS AND GRASSED AREAS. WATERING OF GRASSSED AREAS TO COMMENCE ON A REGULAR BASIS AND CONTINUE WITH INTENSITY DEPENDENT ON AMOUNT OF RAINFALL. NEW SOD THAT HAS BEEN LAID SHOULD BE KEPT MOIST FOR 4-10 DAYS UNTIL IT HAS FIRMLY ROOTED INTO THE EXISTING SOIL.
 4. ALL CONIFEROUS TREES SHALL BE WATERED IN LATE FALL, JUST PRIOR TO FREEZE-UP.
 5. WATER SHALL BE APPLIED SO THAT THE WASHING OF THE SOIL OR DISLLOCING OF MULCH OR TREE GUARDS DOES NOT OCCUR. DAMAGE SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.



Barry R. Murphy, O.A.L.A. C.S.L.A. DATE

DATE	DESCRIPTION	No.
APR2823	ISSUED FOR SPA	4.
APR2523	ISSUED FOR REVIEW	3.
APR1823	ISSUED FOR COORDINATION	2.
MAR2123	ISSUED FOR REVIEW	1.

PLOTTING INFORMATION:
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PROJECT TITLE:
PROPOSED COMMERCIAL (NORTH PARCEL)
 CAMBRIAN RD.
 BARRHAVEN, ONTARIO

DRAWING TITLE:
LANDSCAPE DETAILS

DATE: DECEMBER 2022	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL4 Inc.	CHECKED BY: B.R.M.	L-2
PROJECT No. 22-306LH SPA		