LEGEND

	EXISTING INVENTORIED TREES TO REMAIN
	EXISTING INVENTORIED TREES TO BE REMOVED
TPF	TREE PROTECTION FENCE

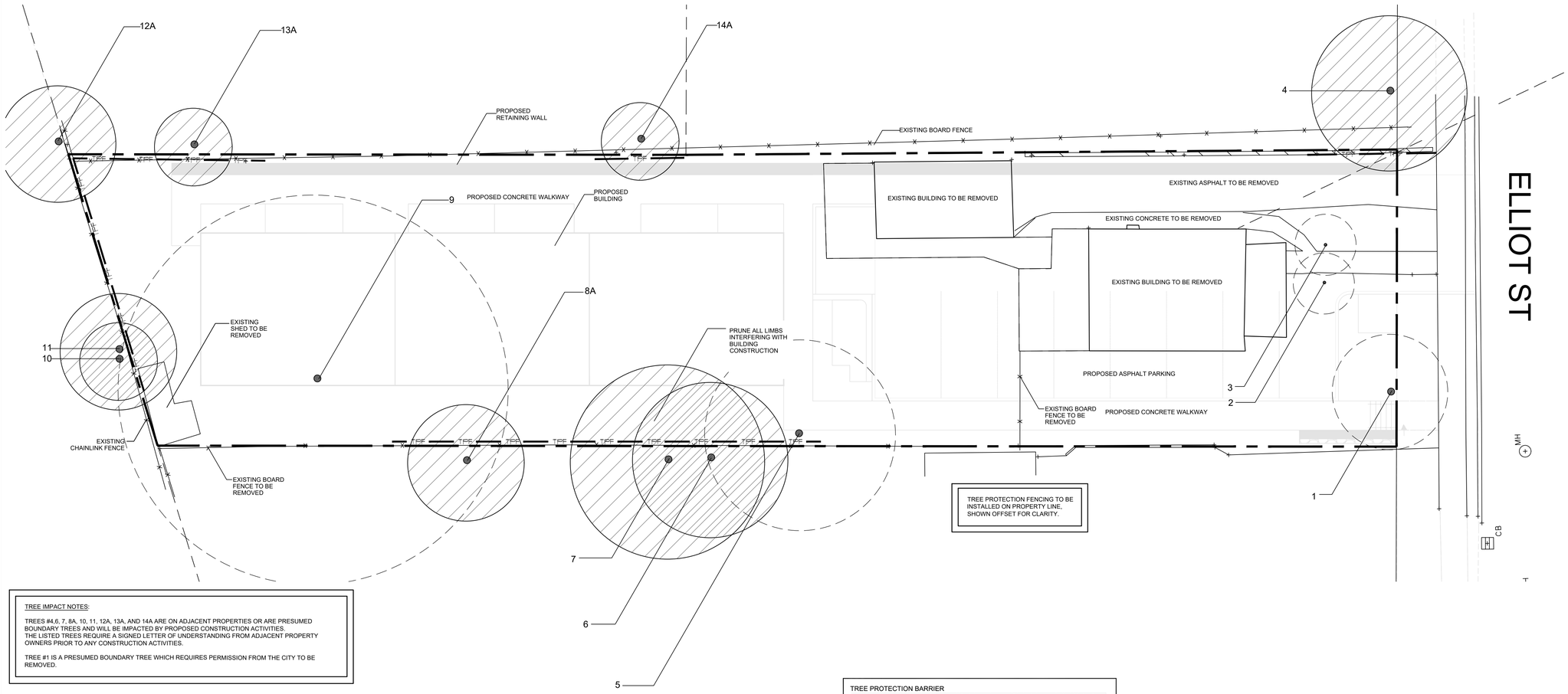
NOTES:

SITE VISIT DATE: OCTOBER 12, 2023

TREE INVENTORY COMPLETED BY ISA CERTIFIED ARBORIST CATHERINE HODGINS #ON-2258A

TREE LOCATIONS AND DRIPLINES BASED ON TOPOGRAPHY SKETCH PROVIDED BY GUENTHER RUEB SURVEYING LTD AND HILL DESIGN STUDIO FIELD SURVEY ON OCTOBER 12, 2023.

#A DENOTES APPROXIMATE TREE LOCATION BASED ON HILL DESIGN FIELD SURVEY ON OCTOBER 12, 2023 AND AERIAL PHOTOGRAPHY.



TREE IMPACT NOTES:

TREES #4,6, 7, 8A, 10, 11, 12A, 13A, AND 14A ARE ON ADJACENT PROPERTIES OR ARE PRESUMED BOUNDARY TREES AND WILL BE IMPACTED BY PROPOSED CONSTRUCTION ACTIVITIES. THE LISTED TREES REQUIRE A SIGNED LETTER OF UNDERSTANDING FROM ADJACENT PROPERTY OWNERS PRIOR TO ANY CONSTRUCTION ACTIVITIES.

TREE #1 IS A PRESUMED BOUNDARY TREE WHICH REQUIRES PERMISSION FROM THE CITY TO BE REMOVED.

TREE INVENTORY

ID #	Tree Species (Latin)	Tree Species (Common)	D.B.H (cm)	Condition	Status	Ownership	Additional Notes
1	Acer platanoides 'Globosum'	Globe Norway Maple	23	Fair	Remove	Presumed Boundary Tree	20% Dead
2	Thuja occidentalis	Cedar	41	Fair	Preserve	Subject Site	
3	Thuja occidentalis	Cedar	23	Poor	Remove	Subject Site	30% Dead
4	Acer platanoides	Norway Maple	42	Poor	Remove	Subject Site	50% Dead
5	Tilia americana	Basswood	40	Good	Remove	Subject Site	
6	Acer saccharum	Sugar Maple	25	Good	Preserve	Adjacent Property	
7	Acer saccharum	Sugar Maple	30	Fair	Preserve	Adjacent Property	
8A	Picea pungens	Blue Spruce	25	Fair	Preserve	Adjacent Property	Thin crown, limbed up
9	Julgans nigra	Black Walnut	86	Good	Remove	Subject Site	
10	Tilia americana	Basswood	12	Good	Preserve	Adjacent Property	
11	Picea glauca	White Spruce	34	Poor	Preserve	Presumed Boundary Tree	75% Dead, thin crown, limbed up
12A	Morus alba	Mulberry	15/15	Fair	Preserve	Adjacent Property	
13A	Quercus macrocarpa	Burr Oak	10	Good	Preserve	Adjacent Property	
14A	Quercus macrocarpa	Burr Oak	10	Good	Preserve	Adjacent Property	

TREE PROTECTION NOTES

1. AS PART OF ANY TREE REMOVAL OPERATION ALL STEMS, LIMBS AND STUMPS SHOULD BE REMOVED FROM THE SITE.

2. UPON COMPLETION OF ANY TREE REMOVAL OPERATIONS, TREE PROTECTION FENCING SHOULD BE INSTALLED AS ILLUSTRATED. THIS PROTECTION FENCING SHOULD BE MAINTAINED UNTIL ALL EXCAVATION AND BUILDING CONSTRUCTION WORK IS COMPLETED.

3. ANY ROOTS DISTURBED DURING CONSTRUCTION SHOULD BE CUT CLEANLY AND BURIED IMMEDIATELY.

4. NO HEAVY EQUIPMENT OR STOCKING OF MATERIAL SHALL OCCUR WITHIN THE DRIPLINES OF ANY TREES THAT ARE TO BE PRESERVED.

5. TREE PROTECTION MEASURES TO BE INSPECTED BY LANDSCAPE ARCHITECT AND CITY STAFF PRIOR TO START OF CONSTRUCTION.

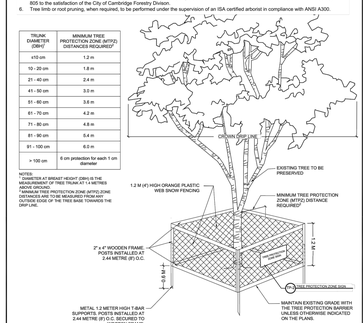
6. IF CONSTRUCTION OR ANY WORK OCCURS WITHIN THE TREE PRESERVATION ZONE, INSIDE THE LIMITS OF THE TREE PROTECTION FENCE, IT IS NECESSARY TO ONLY USE HAND TOOLS. NO MACHINERY WILL BE PERMITTED IN THIS ZONE.

TREE PROTECTION BARRIER

1. Tree protection barrier and signage to be installed as prescribed in approved tree preservation plan prior to any construction activity, including demolition, removals or grading.
2. Tree protection barrier and signage is to be maintained in good repair during construction and may not be removed without written authorization from the City of Cambridge Forestry Division.
3. The area within the boundary of the tree protection barrier is identified as the tree protection zone, maintain minimum tree protection zone distances as specified in the approved Tree Preservation Plan and approved Tree Inventory and Preservation Plan.
4. Construction activities are prohibited in the tree protection zone, including but not limited to:
   i. operating, storing, parking, repairing or refuelling any equipment or vehicles.
   ii. temporary or permanent grade changes (cutting, filling or excavating).
   iii. storing construction materials.
5. Protect tree protection zone from erosion and sediment as prescribed in the approved erosion and sediment control plan. When an erosion and sediment control plan does not exist, install and maintain, temporary erosion and sediment control measures in accordance with OPSS 805 to the satisfaction of the City of Cambridge Forestry Division.
6. Tree limb or root pruning, when required, to be performed under the supervision of an ISA certified arborist in compliance with ANSI A300.

TRUNK DIAMETER (DBH)[1]	MINIMUM TREE PROTECTION ZONE (MTPZ) DISTANCES REQUIRED[2]
≤10 cm	1.2 m
10 - 20 cm	1.8 m
21 - 40 cm	2.4 m
41 - 50 cm	3.0 m
51 - 60 cm	3.6 m
61 - 70 cm	4.2 m
71 - 80 cm	4.8 m
81 - 90 cm	5.4 m
91 - 100 cm	6.0 m
> 100 cm	6 cm protection for each 1 cm diameter

NOTES:
[1] DIAMETER AT BREAST HEIGHT (DBH) IS THE DIAMETER OF A TREE STEM MEASURED 1.4 METRES ABOVE GROUND.
[2] MINIMUM TREE PROTECTION ZONE (MTPZ) ZONE DISTANCES ARE TO BE MEASURED FROM ANY OUTSIDE EDGE OF THE TREE BASE TOWARDS THE DRIP LINE.



Title: TREE PROTECTION BARRIER DETAIL | Drawing No: TP-1 | Date: MARCH 2019 | Scale: N.T.S. | Page: 1 of 1 | CAMBRIDGE

1 TREE PROTECTION FENCING AND SIGNAGE DETAIL
NTS

432 MM

TREE PROTECTION ZONE (TPZ)

CONSTRUCTION ACTIVITIES ARE PROHIBITED IN THE TREE PROTECTION ZONE, INCLUDING BUT NOT LIMITED TO:

- OPERATING, STORING, PARKING, REPAIRING OR REFUELLING ANY EQUIPMENT OR VEHICLES.
- TEMPORARY OR PERMANENT GRADE CHANGES (CUTTING, FILLING OR EXCAVATING).
- STORING CONSTRUCTION MATERIALS.

PERMIT NO. _____

For more information contact:
City of Cambridge **519-623-1340**

279 MM

NOTES:

1. SIGN MUST BE CORRUGATED PLASTIC OR APPROVED ALTERNATIVE.

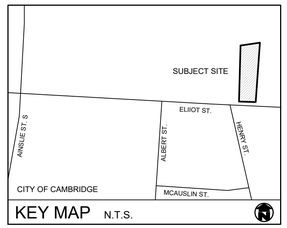
2. SIGN MUST BE PROTECTED AND MOUNTED IN A VISIABLE LOCATION ON THE TREE PROTECTION BARRIER.

3. TPZ SIGN MUST BE MOUNTED ON EVERY TREE PROTECTION BARRIER AT A MINIMUM OF EVERY 15 METERS O.C.

4. SIGN MUST BE SECURELY MOUNTED ON TREE PROTECTION BARRIER PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS.

5. REFER TO CITY OF CAMBRIDGE DETAIL TP-1 FOR MORE DETAILS REGARDING THE TREE PROTECTION BARRIER.

Title: TREE PROTECTION ZONE SIGN DETAIL | Drawing No: TP-2 | Date: MARCH 2019 | Scale: N.T.S. | Page: 1 of 1 | CAMBRIDGE



GENERAL NOTES

1. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES.
2. EXISTING CONDITIONS PLAN AS PER MTE.
3. SITE PLAN INFORMATION AS PER DSH PLANNING LTD.
4. SITE GRADING AND SERVICING INFORMATION AS PER OTHERS AND IS FOR INFORMATIONAL PURPOSES ONLY.
5. SITE LIGHTING BY OTHERS.

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
AARON W. HILL
OALA
MEMBER

REVISIONS

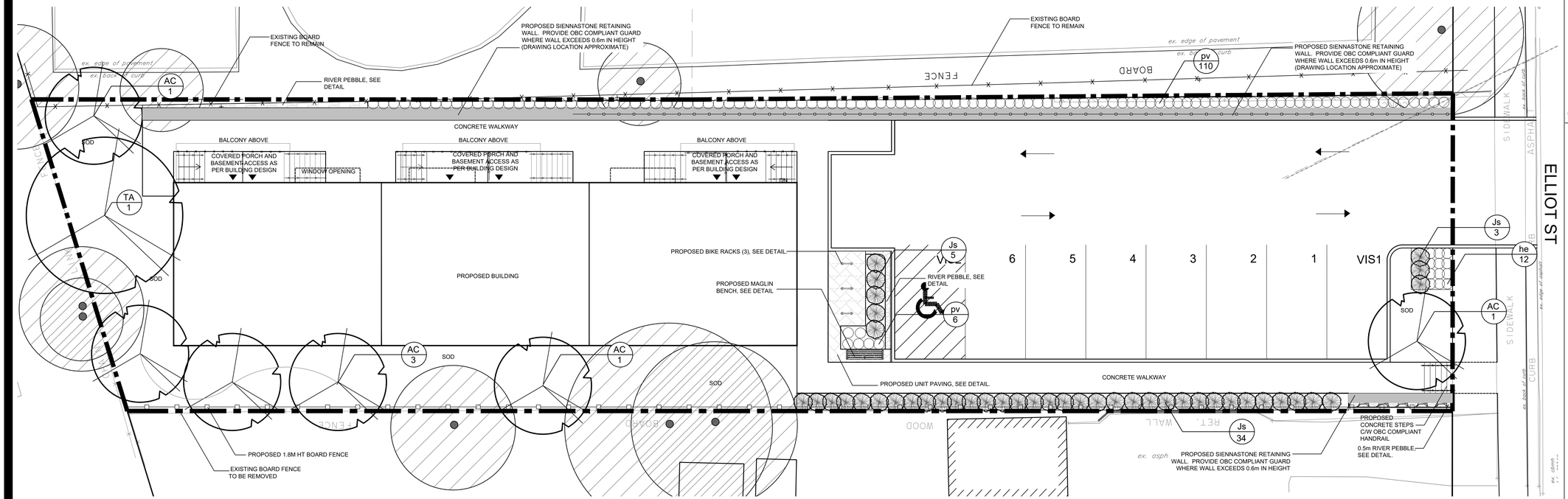
date	description	by
Mar.08.24	Issued for Approval	AWH
Nov.21.24	Issued for Submission	AWH

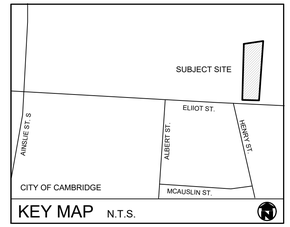
Caiden-Keller Homes Inc.
36 Elliot St,
Cambridge, ON

Tree Management Plan

Hill Design Studio Inc.
226-686-0700 www.hilldesign.ca

PROJECT NO.: 2023-11	DRAWN BY: EA
SCALE: 1:125	DESIGNED BY: EA
SHEET: L1	APPROVED BY: AWH
	PLOT DATE: 11/25/2024





GENERAL NOTES

1. ALL WORKMANSHIP WILL BE TO THE STANDARDS OF LANDSCAPE ONTARIO.
2. ALL PLANT MATERIAL TO BE NO.1 GRADE NURSERY GROWN IN ACCORDANCE WITH THE CANADIAN STANDARDS FOR NURSERY STOCK, 6TH EDITION, 1998, BY THE CANADIAN NURSERY TRADES ASSOCIATION.
3. BACKFILL WILL CONSIST OF SOIL NATIVE TO THE SITE OR GENERAL SOIL TYPE/CLASS NATIVE TO THE SITE. TOPSOIL TO BE TESTED FOR NUTRIENT VALUE, AND AMENDED FOR OPTIMAL GROWTH AS PER THE RECOMMENDATIONS OF THE SOIL TEST.
4. CONTRACTOR SHALL MAINTAIN ALL LANDSCAPE AREAS UNTIL OWNER'S ACCEPTANCE OF PROJECT.
5. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES.
6. PLANTING MAY BE ADJUSTED TO SUIT LOCATIONS OF SITE UTILITY STRUCTURES/SERVICES.
7. ALL MATERIALS MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
8. SPREAD MULCH TO A MINIMUM OF 100mm COMPACTED DEPTH ON ALL TREE PITS AND PLANTING BEDS.
9. CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES ARE TO BE REPORTED IN WRITING TO THE LANDSCAPE ARCHITECT. QUANTITIES NOTED WITHIN THE PLAN SUPERCEDE THOSE IN THE PLANT LIST. ANY SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
10. SOD AS MARKED WITH NURSERY SOD ON A MINIMUM OF 100mm OF CLEAN TOPSOIL. FINE GRADE AND SOD ALL BOULEVARD AREAS TO MUNICIPAL SPECIFICATIONS AND REPAIR DAMAGE TO ADJACENT PROPERTIES, AS REQUIRED.
11. FINAL INSPECTION AND ACCEPTANCE OF PLANTING WORK SHALL COINCIDE WITH THE FINAL INSPECTION AND ACCEPTANCE OF ALL WORK INCLUDED IN THE CONTRACT.
12. ALL SEEDED SLOPES 3:1 AND GREATER TO RECEIVE EROSION CONTROL MATTING (COIR MAT, OR OTHER WILDLIFE FRIENDLY ALTERNATIVE). PIN SOD ON ALL SLOPES OF 3:1 OR GREATER.
13. SUBMIT A WRITTEN GUARANTEE TO THE EFFECT THAT ALL PLANTS ACCEPTED DURING THE PERIOD OF JANUARY 1st TO JULY 15th SHALL BE GUARANTEED UNTIL JULY 15th THE FOLLOWING YEAR. PLANTS ACCEPTED DURING THE PERIOD OF JULY 15th TO DECEMBER 31st SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE. THE GUARANTEE PERIODS LISTED ABOVE SHALL APPLY TO ALL "NURSERY GROWN" PLANTS.
14. AT THE TIME OF FINAL INSPECTION ALL PLANTS SHALL BE IN A HEALTHY, VIGOUROUS GROWING CONDITION, PLANTED IN FULL ACCORDANCE WITH DRAWINGS AND CONDITIONS.
15. EXISTING CONDITIONS PLAN AS PER .
16. SITE PLAN INFORMATION AS PER DSH PLANNING LTD.
17. SITE GRADING AND SERVICING INFORMATION AS PER AND IS FOR INFORMATIONAL PURPOSES ONLY.
18. SITE LIGHTING BY OTHERS.

PLANT MATERIAL LIST

KEY	QUANT.	COMMON NAME	BOTANICAL NAME	SIZE	COND.
AC	6	Serviceberry (tree form)	Amelanchier canadensis (tree form)	60mm cal.	W.B.
TA	1	Basswood	Tilia americana	60mm cal.	W.B.
Js	42	Savin Juniper	Juniperus sabina	50cm 3 gal.	F.P.
pv	116	Panicum virgatum 'Cheyenne Sky'	Cheyenne Sky Switchgrass	1 gal.	Pot
he	12	Little Wine Cup Daylily	Hemerocallis 'Little Wine Cup'	1 gal.	Pot

*ANY SODDING, PLANTING OR WORK ON LANDS ABUTTING THE PROPERTY FROM THE LOT LINES TO SIDEWALK AND CURBING SHALL BE TO THE SATISFACTION OF THE CITY.

*ALL LANDSCAPING SHALL BE INSTALLED PRIOR TO THE END OF THE FIRST GROWING SEASON FOLLOWING OCCUPANCY OF THE DEVELOPMENT

*UNLESS OTHERWISE SPECIFIED ALL LANDSCAPED AREAS TO BE SODDED

*UNLESS OTHERWISE SPECIFIED ALL UNDEVELOPED AREAS SHALL BE KEPT FREE AND CLEAR OF DEBRIS AND MAINTAINED.

ALL SOD TO BE INSTALLED ON 150mm TOPSOIL

LEGEND

- PROPOSED CONIFEROUS SHRUBS
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED PERRENIALS / GRASSES
- PROPOSED DECIDUOUS TREES
- EXISTING INVENTORIED TREES TO REMAIN

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
AARON W. HILL
OALA
MEMBER

REVISIONS

date	description	by
Mar.08.24	Issued for Approval	AWH
Nov.21.24	Issued for Submission	AWH

Caiden-Keller Homes Inc.
36 Elliot St,
Cambridge, ON

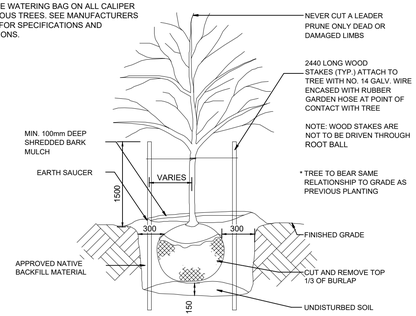
Landscape Plan

Hill Design Studio Inc.
226-686-0700 www.hilldesign.ca

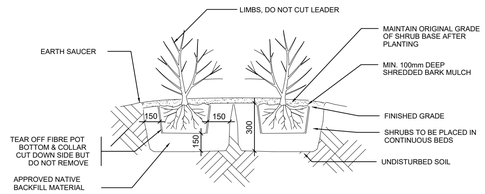
PROJECT NO.: 2023-57
DRAWN BY: EA
SCALE: 1:100
DESIGNED BY: EA
SHEET: L2
APPROVED BY: AWH
PLOT DATE: 11/25/2024

TREEGATOR:

INSTALL TREEGATOR ORIGINAL SLOW RELEASE WATERING BAG ON ALL CALIPER DECIDUOUS TREES. SEE MANUFACTURERS DETAIL FOR SPECIFICATIONS AND DIRECTIONS.



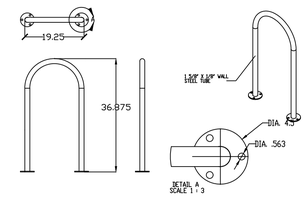
1 DECIDUOUS TREE PLANTING DETAIL
NTS



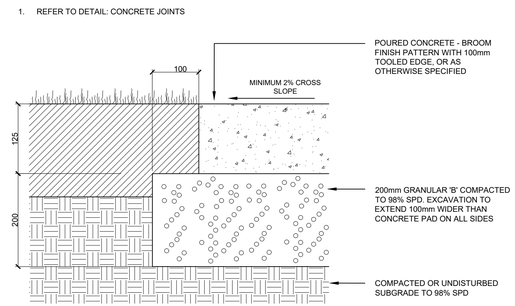
2 SHRUB PLANTING DETAIL
NTS

BIKE RACK BY MAGLIN
(OR APPROVED EQUAL)
T 1-800-716-5506
F 1-877-260-9393
WWW.MAGLIN.COM
SALES@MAGLIN.COM

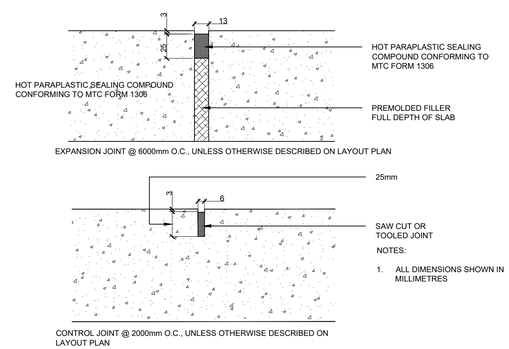
SPECIFICATIONS:
MODEL: MBR-0500-00003
FINISH: BLACK POWDER COAT
OPTIONS: NONE
INSTALLATION: SURFACE MOUNT



3 BIKE RACK DETAIL
NTS



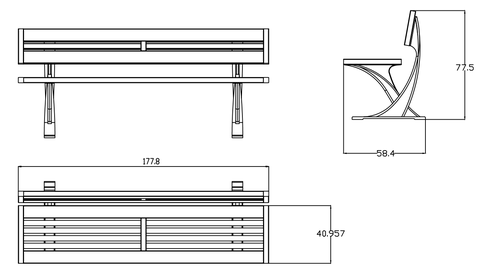
4 PIP CONCRETE PAD DETAIL
NTS



5 CONCRETE JOINT DETAILS
NTS

BENCH BY MAGLIN (OR APPROVED EQUAL)
T 1-800-716-5506
F 1-877-260-9393
WWW.MAGLIN.COM
SALES@MAGLIN.COM

SPECIFICATIONS:
MODEL: MBE-1200-00018
FINISH: BLACK POWDERCOAT LEGS, SANDSTONE HDPC SEAT
OPTIONS: NONE
INSTALLATION: SURFACE MOUNT AS PER MANUFACTURER'S SPECIFICATIONS



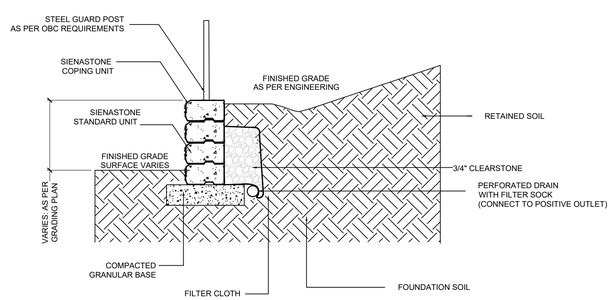
6 BENCH DETAIL
NTS

ENGINEERING OF WALL BY OTHERS - PROVIDE ENGINEERED SHOP DRAWINGS INCLUDING RAILING FOR REVIEW

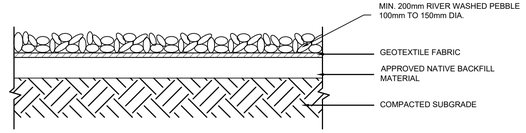
WWW.UNILOCK.COM
1-800-265-6124

NOTES:

1. SIENASTONE 500 RETAINING WALL BY UNILOCK (OR APPROVED EQUAL)
   COLOUR: NATURAL



7 TYPICAL SIENASTONE RETAINING WALL DETAIL
NTS

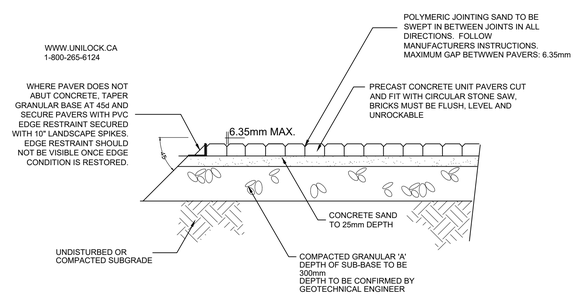


8 RIVER PEBBLE MULCH DETAIL
NTS

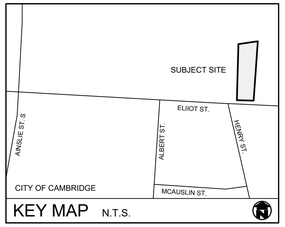
UNIT PAVER

PROPOSED UNILOCK SKYLINE 50mm PAVER 300mm X 600mm OR EQUIVALENT AS APPROVED BY L.A.
COLOUR: GRENADA WHITE

WWW.UNILOCK.CA
1-800-265-6124



9 UNIT PAVER DETAIL
NTS



KEY MAP N.T.S.

REVISIONS

date	description	by
Mar.08.24	Issued for Approval	AWH
Nov.21.24	Issued for Submission	AWH

Caiden-Keller Homes Inc.
36 Elliot St.,
Cambridge, ON

Landscape Details

Hill Design Studio Inc.
226-686-0700 www.hilldesign.ca

PROJECT NO.: 2023-57	DRAWN BY: EA
SCALE: AS SHOWN	DESIGNED BY: EA
SHEET: L3	APPROVED BY: AWH
	PLOT DATE: 11/25/2024