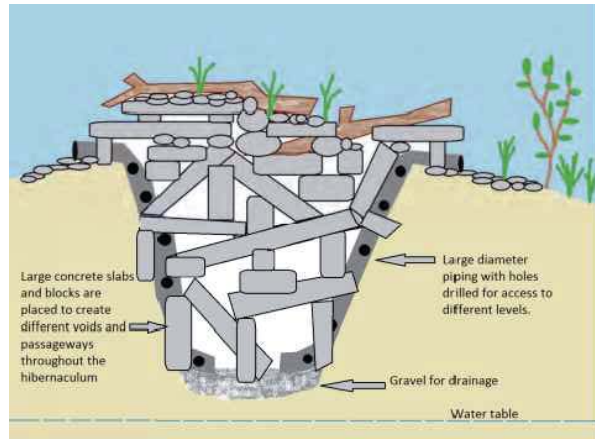


HIBERNACULA NOTES:

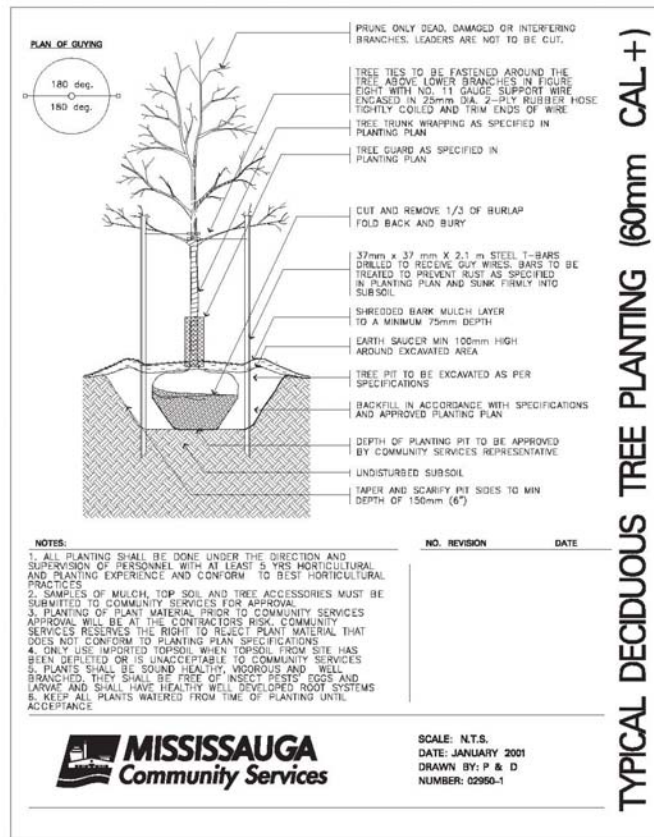
- THE DESIGN AND LOCATION OF THE HIBERNACULA WILL BE REFINED IN CONSULTATION WITH QUALIFIED BIOLOGIST, AND A QUALIFIED BIOLOGIST WILL BE ON SITE DURING THE INSTALLATION PROCESS.
- THE HIBERNACULUM LOCATION SHOULD CONSIST OF AN AREA WITH:
 - SOUTH-FACING SLOPE OR SUITABLE SUN-EXPOSURE.
 - THE WATER TABLE AND BEDROCK ARE > 3m BELOW THE SURFACE.
 - WELL-DRAINED SOIL, SUCH AS SANDY OR SANDY LOAM (AVOIDING CLAY SOILS).
- THE HIBERNACULUM WILL BE CONSTRUCTED BY:
 - EXCAVATING A HOLE APPROX. 4.5m x 4.5m, NARROWING TO 2m x 2m AT A DEPTH OF AT LEAST 3m. THE BOTTOM OF THE HOLE MUST BE ABOVE THE WATER TABLE, BUT AT LEAST 2m BELOW THE FROST LINE (TO BE VERIFIED AT SITE BY CONTRACTOR).
 - ADD LAYER OF GRAVEL (APPROX. 50cm DEPTH) AT BOTTOM OF HOLE TO ALLOW FOR DRAINAGE.
 - PLACE A BLACK COLOURED PVC PIPE WITH HOLES (6cm DIAMETER) CUT ALONG ITS LENGTH. THIS WILL BE PLACED TO ENSURE SNAKES CAN ENTER/EXIT AT THE TOP AND MOVE UP/DOWN BETWEEN VARIOUS DEPTHS OF HIBERNACULUM. A WIRE MESH SCREEN OR METAL GRATE WITH OPENING SIZE OF 6-8cm WILL BE FITTED TO EACH END OF THE PVC PIPE TO EXCLUDE PREDATORS.
 - PLACE ROCKS, CONCRETE RUBBLE, LOGS, TIMBER BLOCKS AND/OR BRICKS TO CREATE CHAMBERS AT DIFFERENT DEPTHS WITH CONNECTING PASSAGEWAYS. DO NOT USE RAILWAY TIES OR PRESSURE TREATED LUMBER.
 - COVER WITH MIXTURE OF SMALLER ROCKS, SOIL, LOGS, AND BRUSH PILES, TO A HEIGHT OF APPROX 50-60cm ABOVE GRADE.



HIBERNACULA SECTION, SKETCH, AND SPECIFICATIONS

TYPICAL DETAIL AND SPECIFICATION (AS PREPARED BY HSP, RECEIVED ON SEPTEMBER 24, 2020)

NTS



TYPICAL DECIDUOUS TREE PLANTING (60mm CAL+)

NOTES:
 1. ALL PLANTING SHALL BE DONE UNDER THE DIRECTION AND SUPERVISION OF PERSONNEL WITH AT LEAST 5 YRS HORTICULTURAL AND PLANTING EXPERIENCE AND CONFORM TO BEST HORTICULTURAL PRACTICES.
 2. SAMPLES OF MULCH, TOP SOIL AND TREE ACCESSORIES MUST BE SUBMITTED TO COMMUNITY SERVICES FOR APPROVAL.
 3. PLANTING OF PLANT MATERIAL PRIOR TO COMMUNITY SERVICES APPROVAL WILL BE AT THE CONTRACTOR'S RISK. COMMUNITY SERVICES RESERVES THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO PLANTING PLAN SPECIFICATIONS.
 4. ONLY USE IMPORTED TOPSOIL WHEN TOPSOIL FROM SITE HAS BEEN DEPLETED OR IS UNACCEPTABLE TO COMMUNITY SERVICES.
 5. PLANTS SHALL BE SOUND HEALTHY, VIGOROUS AND WELL BRANCHED. THEY SHALL BE FREE OF INSECT PESTS' EGGS AND LARVAE AND SHALL HAVE HEALTHY WELL DEVELOPED ROOT SYSTEMS.
 6. KEEP ALL PLANTS WATERED FROM TIME OF PLANTING UNTIL ACCEPTANCE.

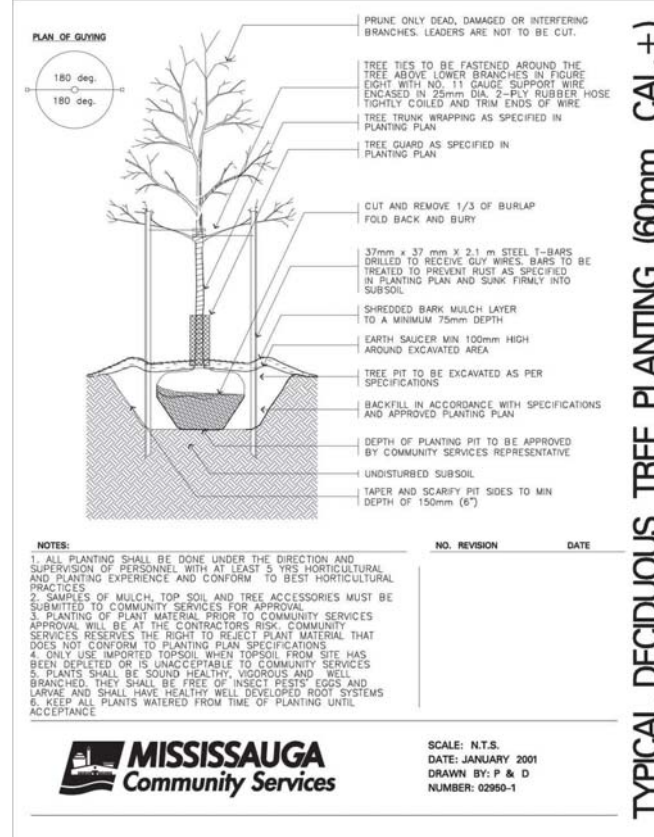
NO. REVISION DATE

SCALE: N.T.S.
 DATE: JANUARY 2001
 DRAWN BY: P & D
 NUMBER: 02950-1

MISSISSAUGA Community Services

3 CONIFEROUS TREE PLANTING DETAIL

NTS



TYPICAL DECIDUOUS TREE PLANTING (60mm CAL+)

NOTES:
 1. ALL PLANTING SHALL BE DONE UNDER THE DIRECTION AND SUPERVISION OF PERSONNEL WITH AT LEAST 5 YRS HORTICULTURAL AND PLANTING EXPERIENCE AND CONFORM TO BEST HORTICULTURAL PRACTICES.
 2. SAMPLES OF MULCH, TOP SOIL AND TREE ACCESSORIES MUST BE SUBMITTED TO COMMUNITY SERVICES FOR APPROVAL.
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 6. KEEP ALL PLANTS WATERED FROM TIME OF PLANTING UNTIL ACCEPTANCE.

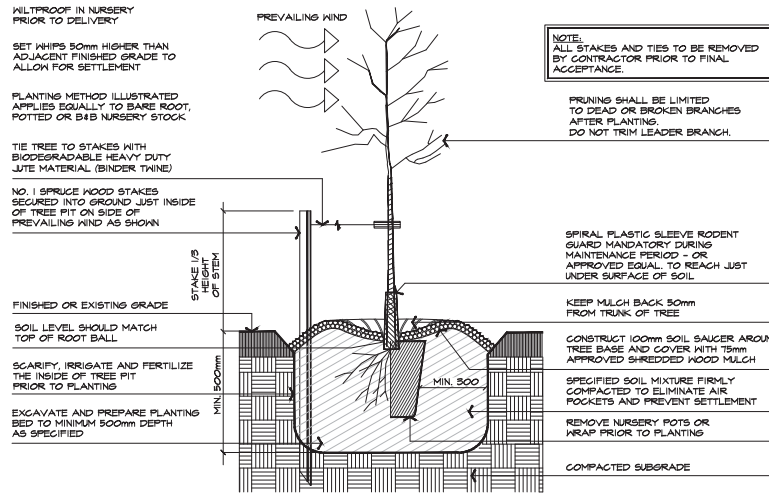
NO. REVISION DATE

SCALE: N.T.S.
 DATE: JANUARY 2001
 DRAWN BY: P & D
 NUMBER: 02950-1

MISSISSAUGA Community Services

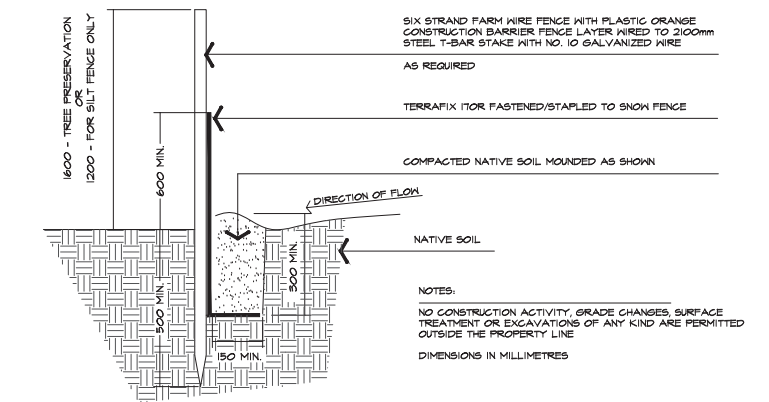
1 DECIDUOUS TREE PLANTING DETAIL

NTS



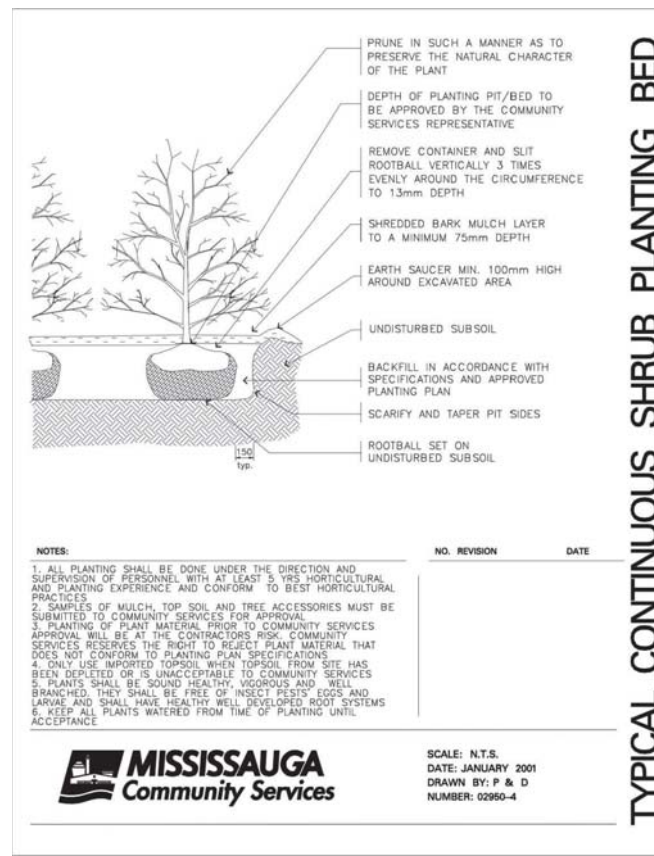
4 WHIP PLANTING DETAIL

NTS



5 EROSION CONTROL FENCE

(N.T.S.)
 ABAL F102X-180521



TYPICAL CONTINUOUS SHRUB PLANTING BED

NOTES:
 1. ALL PLANTING SHALL BE DONE UNDER THE DIRECTION AND SUPERVISION OF PERSONNEL WITH AT LEAST 5 YRS HORTICULTURAL AND PLANTING EXPERIENCE AND CONFORM TO BEST HORTICULTURAL PRACTICES.
 2. SAMPLES OF MULCH, TOP SOIL AND TREE ACCESSORIES MUST BE SUBMITTED TO COMMUNITY SERVICES FOR APPROVAL.
 3. PLANTING OF PLANT MATERIAL PRIOR TO COMMUNITY SERVICES APPROVAL WILL BE AT THE CONTRACTOR'S RISK. COMMUNITY SERVICES RESERVES THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO PLANTING PLAN SPECIFICATIONS.
 4. ONLY USE IMPORTED TOPSOIL WHEN TOPSOIL FROM SITE HAS BEEN DEPLETED OR IS UNACCEPTABLE TO COMMUNITY SERVICES.
 5. PLANTS SHALL BE SOUND HEALTHY, VIGOROUS AND WELL BRANCHED. THEY SHALL BE FREE OF INSECT PESTS' EGGS AND LARVAE AND SHALL HAVE HEALTHY WELL DEVELOPED ROOT SYSTEMS.
 6. KEEP ALL PLANTS WATERED FROM TIME OF PLANTING UNTIL ACCEPTANCE.

NO. REVISION DATE

SCALE: N.T.S.
 DATE: JANUARY 2001
 DRAWN BY: P & D
 NUMBER: 02950-4

MISSISSAUGA Community Services

2 SHRUB PLANTING

NTS

no.	date	version	by
3.	SEPT 20 2020	ISSUED FOR FIRST SUBMISSION	DN/JD
2.	NOV 15 2019	REVISED AS PER CVC COMMENTS VIA EMAIL DATED NOV. 5/19	DN
1.	SEPT 6 2019	REVISED AS PER DISCUSSIONS WITH THE CVC AND FOR CVC REVIEW	DN
0.	NOV 14 2017	ISSUED FOR HIA REPORT	LK

All information herein to be checked and verified at the site and any discrepancies must be reported to and clarified by the landscape architect before commencing work. All drawings, specifications, details, digital information, etc., prepared by the landscape architect are instruments of service and as such are his property and must be returned at his request.

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project

THORNY-BRAE PLACE
 1745, 1765, 1775 THORNY-BRAE PLACE
 MISSISSAUGA, ONTARIO

2462357 ONTARIO INC.
 C/O PACE DEVELOPMENTS INC.

drawing

LANDSCAPE DETAILS

date	NOVEMBER 13, 2017	drawn	LK
scale	AS SHOWN	file	3178 D1 R3-200930
direction		project no.	3178
		sheet no.	L300

*NOTED SCALE IS APPLICABLE ONLY WHEN PRINTED ON ARCH D (24"x36") SIZE SHEET *PRINT IN COLOR