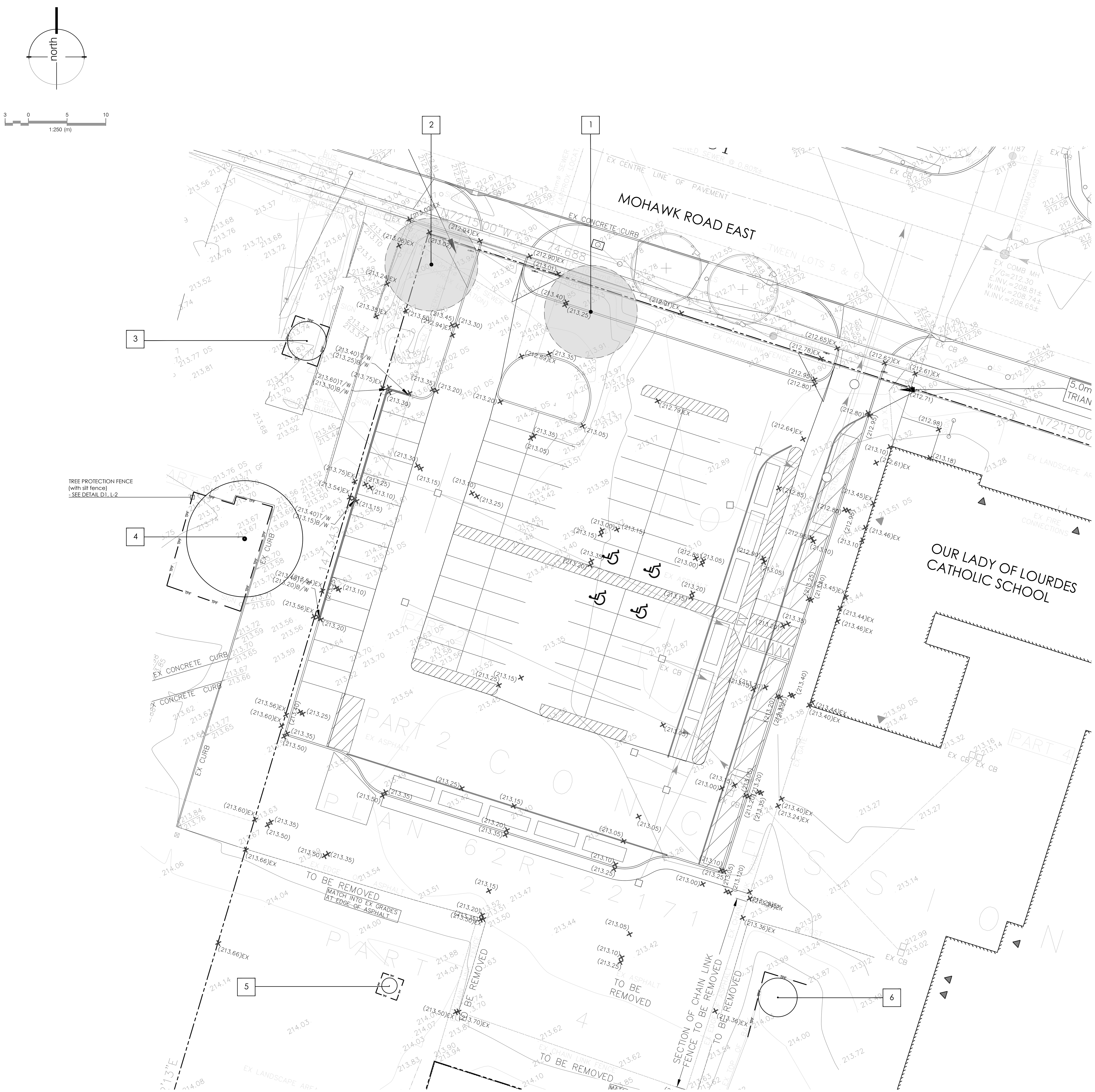
project #: 24-125



NOTE

1. A 'Verification of Tree Protection Letter' by the tree management professional is to be provided to the Director of Planning at the City of Hamilton to confirm that all tree protection measures have been installed prior to the undertaking of any grading activities.
2. *Any arborist completing tree removals on-site is required to have a tree cutting licence with the City of Hamilton. Please contact the City's licensing section (licensing@hamilton.ca) for licensing or further information.*

HAND PRUNING /DIGGING NOTE

NOTE:
1.Any work within the driplines of a tree to be preserved, to be completed carefully by hand under supervision of a qualified tree professional. Any required root pruning to be completed by a qualified tree professional.

PRIVATE TREES >10cm DBH TO BE REMOVED:	2
MUNICIPAL TREES TO BE REMOVED*:	0
REQUIRED COMPENSATION TREES (1:1)	2
FUTURE STREET TREES:	2
PROPOSED TREES (SEE LANDSCAPE PLAN)	6

*Removal of municipal trees requires approval from City of Hamilton Urban Forestry prior to removal.


Tree 1


Tree 2

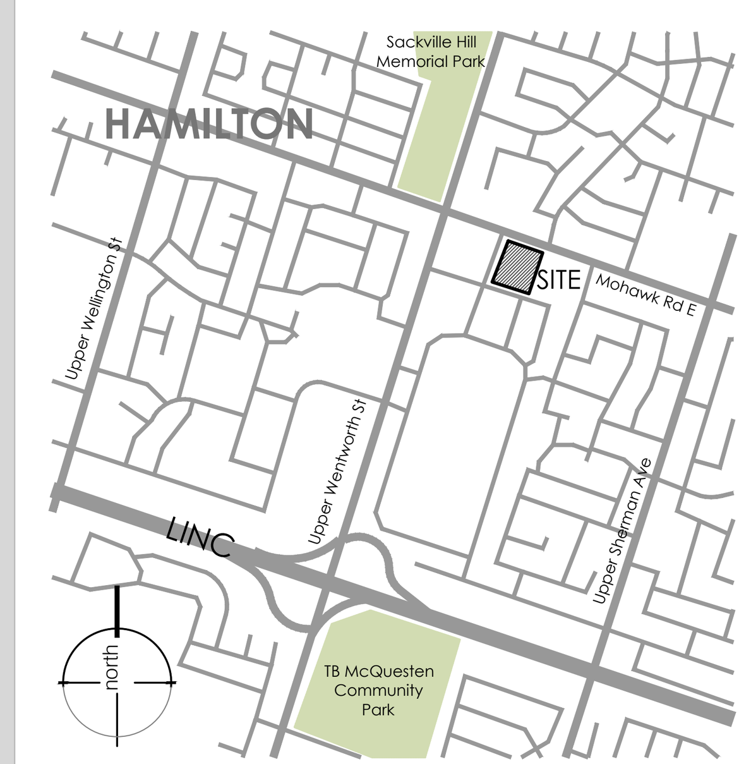

Tree 3


Tree 4


Tree 5


Tree 6

KEY MAP - N.T.S.



LEGEND

- property line
- existing tree number (refer to chart)
- existing vegetation to remain
- existing vegetation to be removed
- existing elevations
- tree protection fence (with silt fence) - see detail D1, L-2

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ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:
Vegetation inventory undertaken by Carleigh Pope, ISA Certified Arborist (ON-2578A) on June 6 2024.

REVISIONS/ SUBMISSIONS

#	DATE	DESCRIPTION
1	2024-06-10	Issued for submission
2	2024-06-11	Issued for tender
3	2024-06-27	Issued for tender

STAMP

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MUNICIPALITY
City of Hamilton

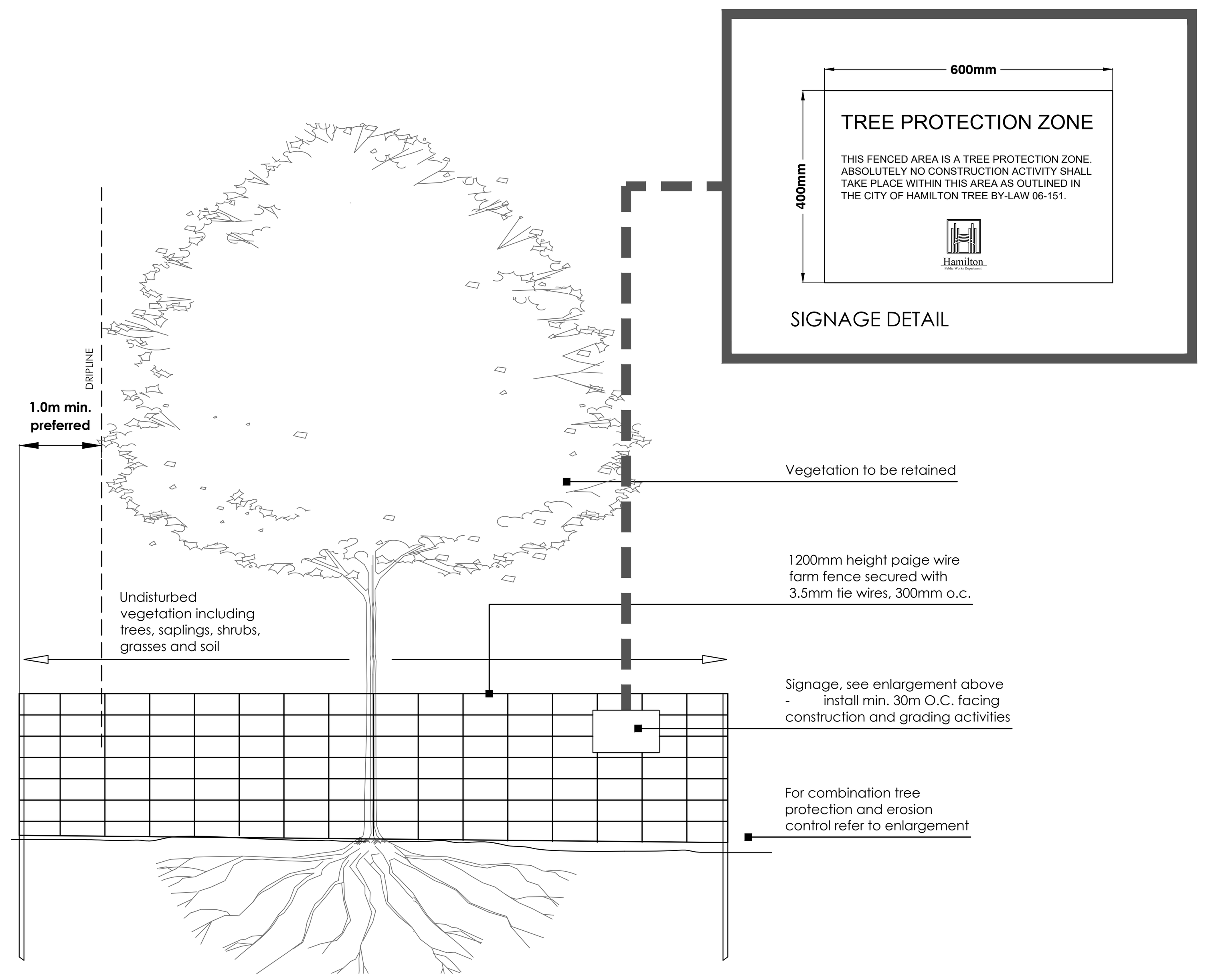
PROJECT
420 Mohawk Road East, Hamilton

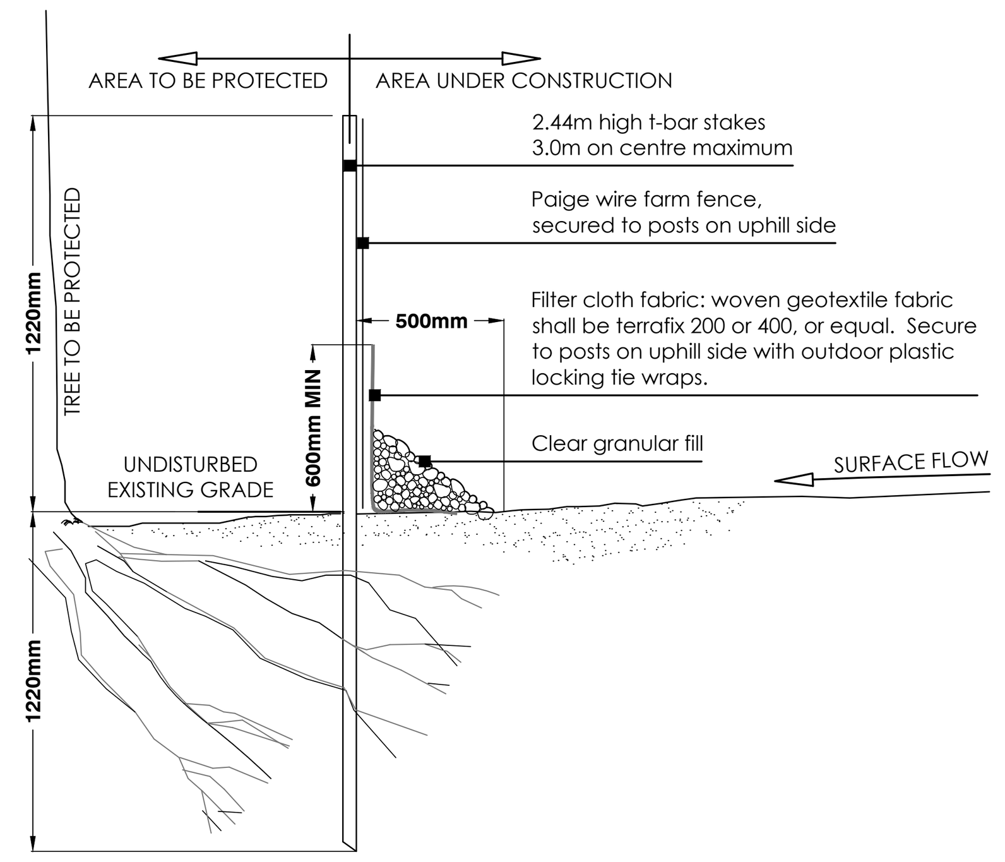
MUNICIPAL FILE NUMBER

SHEET
Tree Protection Plan
L-01

adesso design inc.
landscape architecture
69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
www.adessodesigninc.ca

project #: 24-125





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 with no construction activity, grade changes, surface treatment, compaction, or excavation. Area shall not be used for the storage of building materials or equipment access/storage or project related garbage.
3. Tree protection measures shall be installed prior to any demolition, tree removal or construction and shall remain until the completion of fine grading and sodding or seeding.
4. Prune all trees for dead, diseased, weak or hazardous branches only. Also trim back branches which will interfere with construction, prune for structural restoration where necessary.
5. No stockpiles and/or excavated material shall be placed within the tree preservation area.
6. No rigging cable shall be wrapped around or installed to trees.
7. Where root systems of protected trees are exposed directly adjacent to or damaged by construction work they are to be root pruned and the area back filled with topsoil to prevent root desiccation. An Arborist is required to be on site for any injury or cutting to the root system or surface roots of a protected tree.
8. Any fine grading within the preservation area is to be done by hand. no heavy equipment is permitted within the preservation zone.
9. Sediment accumulations to be removed by subdivider/builder when sediment deposits reach within 150mm of top of filter fabric barrier.
10. City of Hamilton Urban Forester to be contacted and a site visit to be coordinated between the City of Hamilton, the Developer and the qualified arborist performing tree service prior to any alteration of municipal trees.
11. A copy of the approved and signed Vegetation Management Plan will be on site for the duration of construction and available upon request from the City of Hamilton Forestry & Horticulture representative.
12. This detail does not represent any particular tree species.

Tree Protection Fencing (with silt fence) — 1 / L-2

N.T.S.

EXISTING VEGETATION INVENTORY IDENTIFICATION CHART

Tree #	Species (Common Name)	Species (Botanical Name)	DBH (cm)	Crown Class*	Condition**	Crown Width (m)	Comments	Potential Impacts from Construction	Ownership	Recommendation
1	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	63	D	G	12	Asymmetrical canopy (minor)	Direct conflict with proposed driveway and curbing	Subject Site	Remove
2	Thornless Honey Locust	*Gleditsia triacanthos var. inermis*	52	D	G	12	Dead/broken branches in canopy, included bark, asymmetrical canopy	Direct conflict with proposed grading	Subject Site	Remove
3	Newport Cherry Plum	*Prunus cerasifera newport*	15, 5	D	F	5	Water sprouts (severe), dead/broken branches in canopy (moderate)	None	Neighbouring	Save
4	Silver Maple	*Acer saccharinum*	84	D	G	15	Co-dominant leaders at 1.5m, rubbing branches in canopy	None	Neighbouring	Save
5	Silver Maple	*Acer saccharinum*	7	D	VP	2	Dead leader, asymmetrical canopy, poor form, healed stem wounds (mechanical)	None	Neighbouring	Save
6	Norway Maple	*Acer platanoides*	15	D	G	5	Co-dominant leaders	None	Neighbouring	Save

CHART LEGEND/CODES

DBH: Diameter at Breast Height (cm)

Trunk Integrity (TI): G = Good, F = Fair, P = Poor

Crown Structure (CS): G = Good, F = Fair, P = Poor

Crown Vigor (CV): G = Good, F = Fair, P = Poor

Crown Class: D = Dominant, CD = Codominant, I = Intermediate, S = Suppressed

* CROWN CLASS
Dominant- (D) Emergent canopy (receives full sunlight)
Co-dominant - (C) Not fully emergent (top of canopy receives sunlight)
Intermediate - (I) Sub-canopy tree (receives partial sunlight)

** CONDITION - consideration of trunk integrity, crown structure and crown vigor
Good - few or no issues related to trunk integrity, crown structure or crown vigor
Fair - minor issues related to trunk integrity, crown structure (form, some dead or damged branches) or crown vigor (20-80% healthy foliage)
Poor - issues with trunk integrity such as cavities or exposed dead wood, poor crown structure (poor form, no clear leader, significant dead or damaged branches) or poor crown vigor (<20% healthy foliage)

CONDITION OF TREES
The decision to remove or retain a tree is subject to the forecasted development impacts, the structural condition of the tree (e.g. cracks, cavities, decay, weak branching, leaning, hazard potential), the biological condition of the tree (e.g. pest or disease concerns, overall health) and the suitability of the tree in its location (e.g. hardiness, soil conditions, salt tolerance, visual obstruction, available soil volume)

TREE REMOVAL:

1. No trees shall be removed prior to municipal approvals of the Tree Management/Tree Preservation Plan.

BOUNDARY TREES:

2. Note that boundary trees are protected under the Ontario Forestry Act. Boundary trees are defined in the Forestry Act (Section 10.2) and are considered shared or co-owned property. The Forestry Act indicates that it is a prosecutable offense for one co-owner to injure or cut down a boundary tree without the other co-owner's permission.
3. Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree(shared ownership) or any tree that is not fully on the subject property.
4. An ISA certified Arborist should be on site prior to any work being performed within the rootzone of a boundary or neighbouring tree to perform root pruning as required.

MIGRATORY BIRDS AND NESTS:

1. The Owner and Contractor must be aware of the Migratory Birds Convention Act, 1994 - specifically;
   - No tree removal or construction activity shall contravene the Act.
   - Construction activities with the potential to harm migratory birds or their nest should be restricted from March 15 to August 31.
   - If work must occur during the migratory bird breeding season, a nest survey should be taken by a qualified avian biologist.
   - A mitigation plan (showing active nests and appropriate buffers) may be required for review and approval by the Canadian Wildlife Services.

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NOTE:
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MUNICIPALITY
City of Hamilton

PROJECT
420 Mohawk Road East, Hamilton

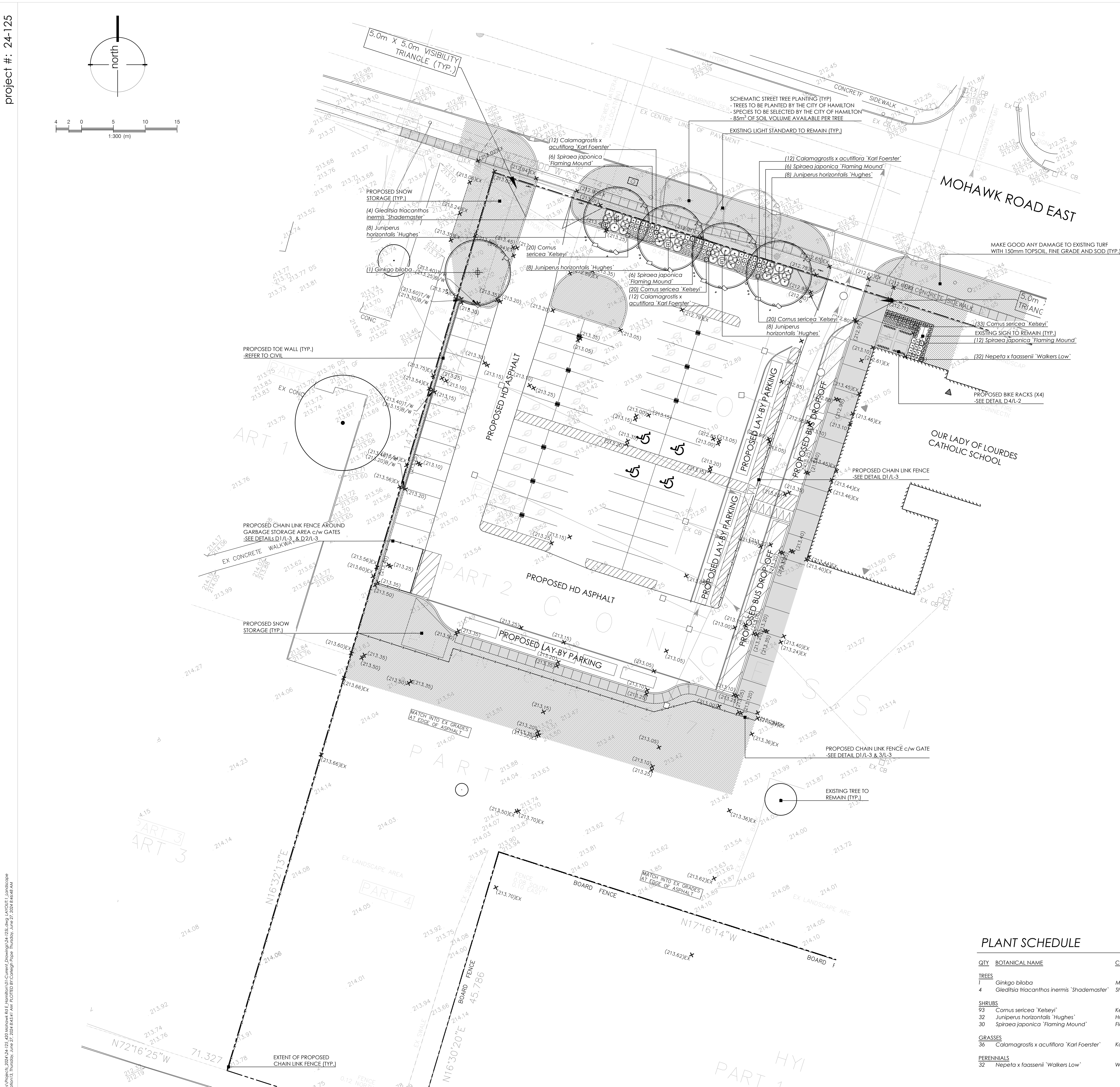
MUNICIPAL FILE NUMBER

SHEET
Tree Protection Plan L-02

adesso design inc.
landscape architecture

69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
www.adessodesigninc.ca

project #: 24-125



LANDSCAPE NOTES:

1. All work to be carried out in accordance with by-laws and codes having jurisdiction over site location.
2. Complete all work to the satisfaction of the Landscape Architect.
3. Report any changes, discrepancies or substitutions to the Landscape Architect for review. Obtain approval from the Landscape Architect before proceeding.
4. It is the contractor's responsibility to determine existing service locations.
5. Exact locations of plant material will be determined by placement of site services such as hydro vaults, meters, utilities roof rain water leaders, driveways, light standards, etc.
6. All plant material locations to be staked or marked out and approved by Landscape Architect prior to installation.
7. Supply all plant material in accordance with the Canadian Standards for Nursery Stock (8th ed.).
8. Install plant material according to details shown.
9. Supply and place mulch in accordance with Canadian Landscape Standard (Section 10, Mulching). Disturbed soil areas around trees and shrubs are to be covered with shredded conifer bark mulch such as 'Cedar Bark Mulch' by All Treat Farms or 'Classic Cedar Mulch' by Gro-Bark, or approved equivalent. Alternative mulches must be approved by the Landscape Architect.
10. Contractor to utilize layout dimensions where provided
11. Provide planting bed area as noted on the drawing or to accommodate mature size of plant material.
12. All support systems must be removed by the contractor at time of final acceptance. No extras will be paid to complete this work
13. Supply and place topsoil in accordance with Canadian Landscape Standard (Section 4, Grading & Drainage and Section 6, Growing Medium) to a minimum depth of 150mm unless otherwise specified.
14. Supply and place sod in accordance with Canadian Landscape Standard (Section 7, Lawns & Grass and Section 8, Turfgrass Sod)unless otherwise specified.
15. Supply and place seed in accordance with Canadian Landscape Standard (Section 4, Grading & Drainage and Section 6, Growing Medium) unless otherwise specified. All 5:1 or greater slopes to be seeded with tacifier. Contractor to provide necessary erosion control protection as required to ensure soil stabilization and proper seed germination.
16. All dimensions in meters unless otherwise noted.
17. If discrepancies arise between plant material count shown on drawing and plant list, the drawing shall be considered correct.
18. Contractor to provide minimum one (1) year warranty (including trees on municipal property) from date accepted on all work unless otherwise specified.
19. Any site plan or grading and servicing shown is for information only. Refer to approved drawings.
20. Not for construction unless stamped, signed and dated by Landscape Architect.
21. Drawings not to be reproduced without written consent from Landscape Architect.
22. Approval of landscape plan to be obtained from municipality.
23. All plant material to be planted a minimum of 1.0m from any swales or ditches.
24. For grading and servicing information refer to the consulting Engineer's drawings.
25. For lighting information and power distribution refer to the electrical consultant's drawings.

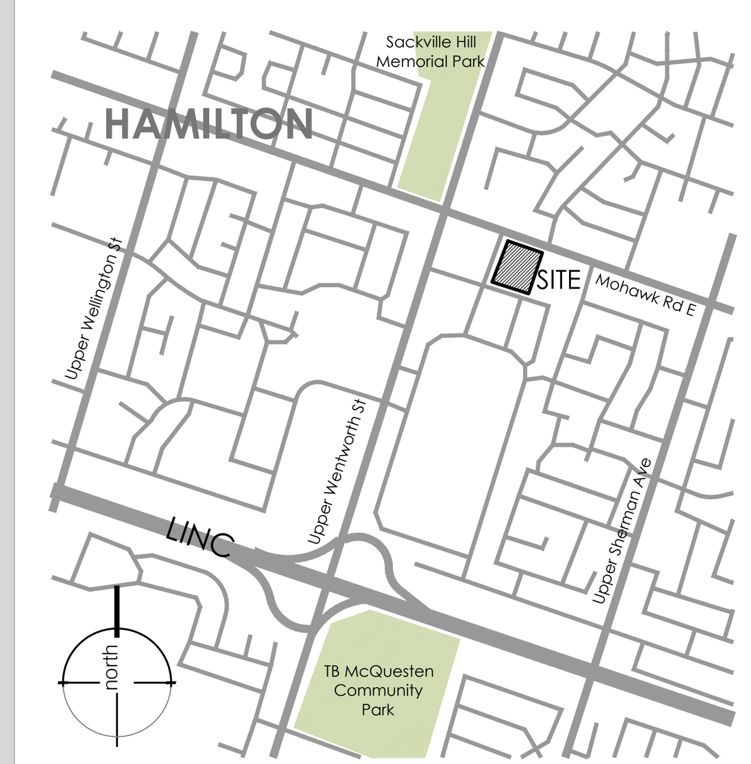
CITY OF HAMILTON LANDSCAPE NOTES:

1. Any plant material substitutions require the approval of the City of Hamilton.
2. Plant material and fencing shall be minimum to be provided by the owner. Any additions must comply to the zoning by-law.
3. 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 of Hamilton.
4. All landscaping shall be installed prior to the end of the first growing season following the occupancy of the development.
5. Unless otherwise specified all landscaped areas are to be sodded.
6. Unless otherwise specified all undeveloped areas shall be undisturbed and kept free and clear of debris and maintained.

PLANT SCHEDULE

QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	MATURE HT. (M)	MATURE SPR. (M)	O.C. (M)	REMARKS
TREES								
1	*Ginkgo biloba*	*Maidenhair Tree*	50mm Cal.	W.B.	15.0	11.0	As Shown	
4	*Gleditsia triacanthos inermis `Shademaster`*	*Shademaster Honey Locust*	50mm Cal.	W.B.	17.0	10.0	As Shown	
SHRUBS								
93	*Cornus sericea `Kelseyi`*	*Kelsey`s Dwarf Red Osier Dogwood*	50cm	#3 cont.	0.50	0.50	0.40	
32	*Juniperus horizontalis `Hughes`*	*Hughes Creeping Juniper*	50cm	#3 cont.	0.30	1.5	1.25	
30	*Spiraea japonica `Flaming Mound`*	*Flaming Mound Spirea*	50cm	#3 cont.	0.70	0.90	0.75	
GRASSES								
36	*Calamagrostis x acutiflora `Karl Foerster`*	*Karl Foerster Feather Reed Grass*	--	#1 cont.	1.25	0.60	0.50	
PERENNIALS								
32	*Nepeta x faassenii `Walkers Low`*	*Walkers Low Catmint*	--	#1 cont.	0.40	0.70	0.60	

KEY MAP - N.T.S.



LEGEND

	property line
	existing tree to remain
	proposed deciduous tree
	proposed shrub
	proposed perennial
	existing elevation
	proposed elevation
	min. 150mm topsoil, fine grade & sod
	C.I.P. concrete

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City of Hamilton

PROJECT
420 Mohawk Road East, Hamilton

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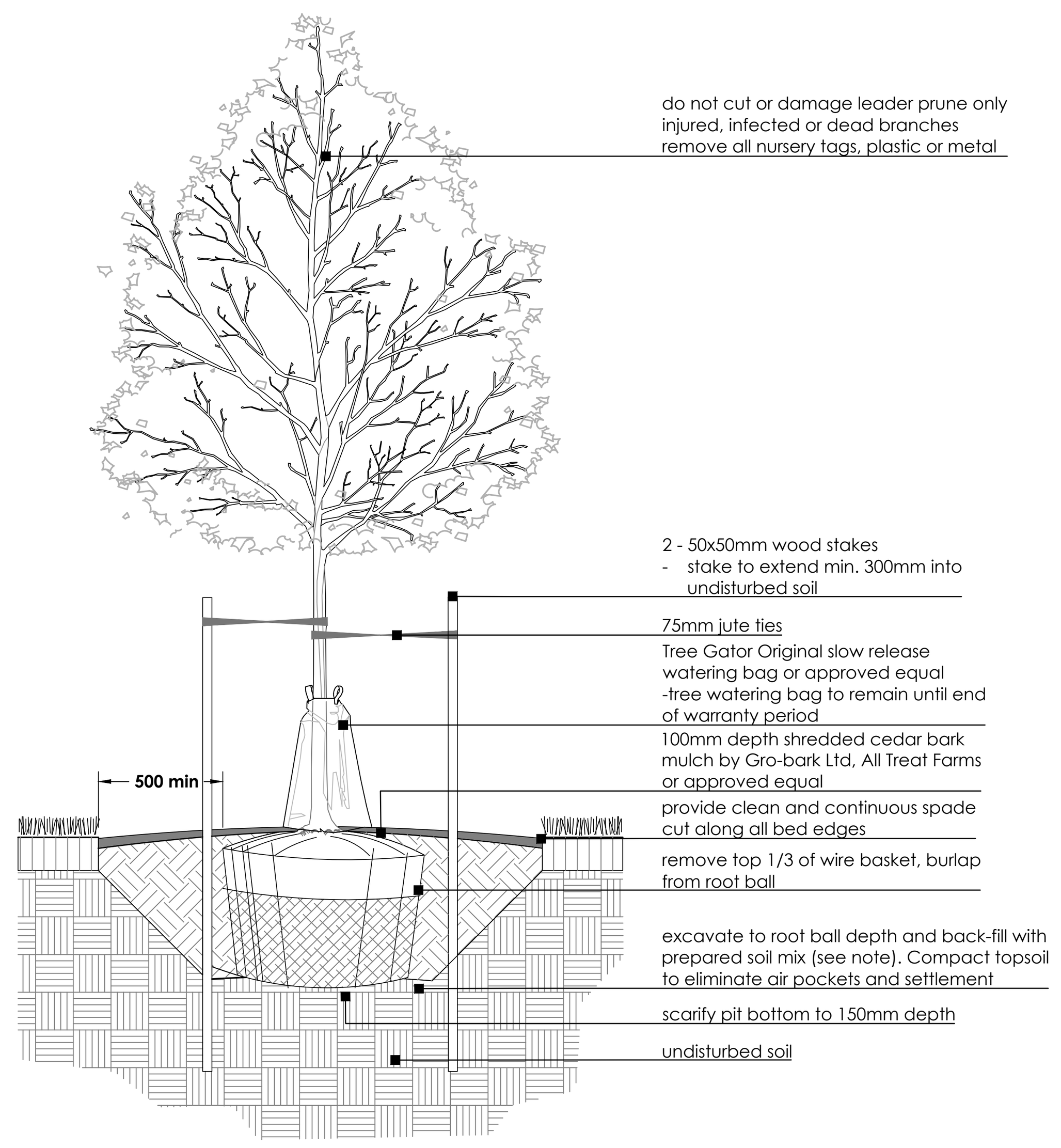
SHEET
Landscape Plan
L-1

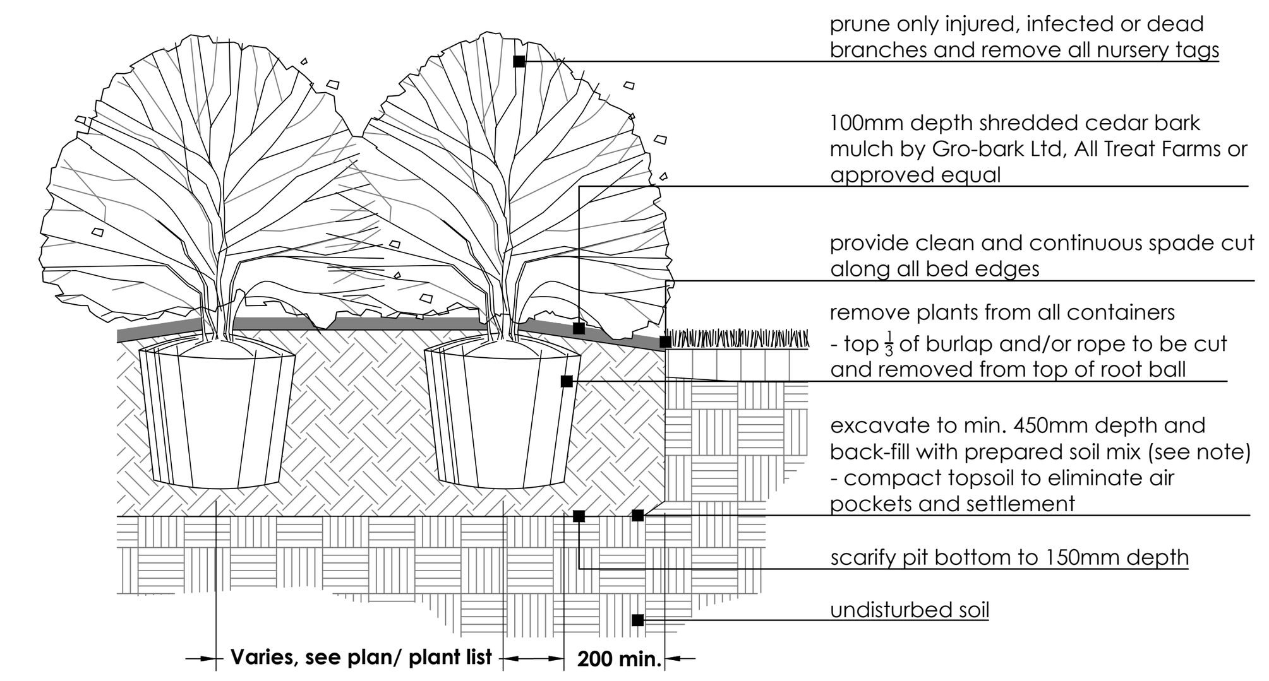
adesso design inc.
landscape architecture
69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
www.adessodesigninc.ca

project #: 24-125



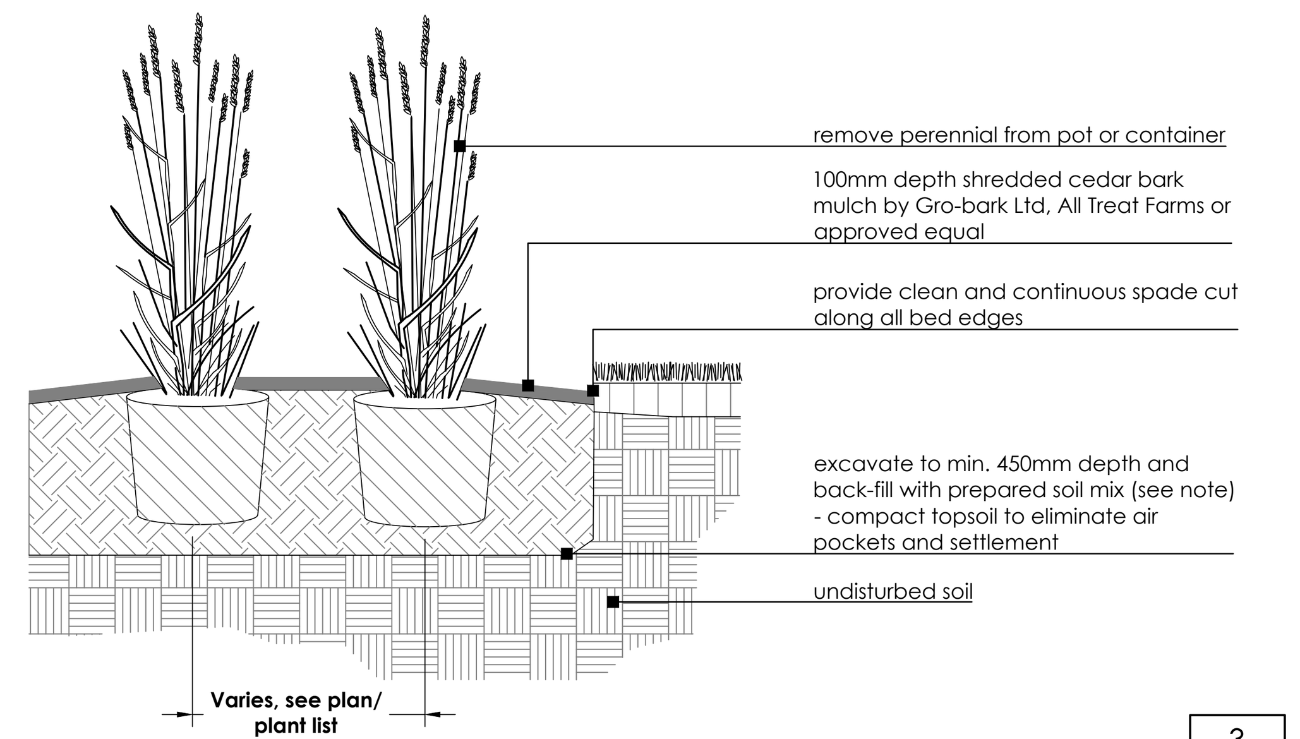
BALLED AND BURLAP/WIRE BASKET DECIDUOUS TREE (WITH GATOR BAG) — 1 / L-2

N.T.S



CONTAINER GROWN SHRUB — 2 / L-2

N.T.S

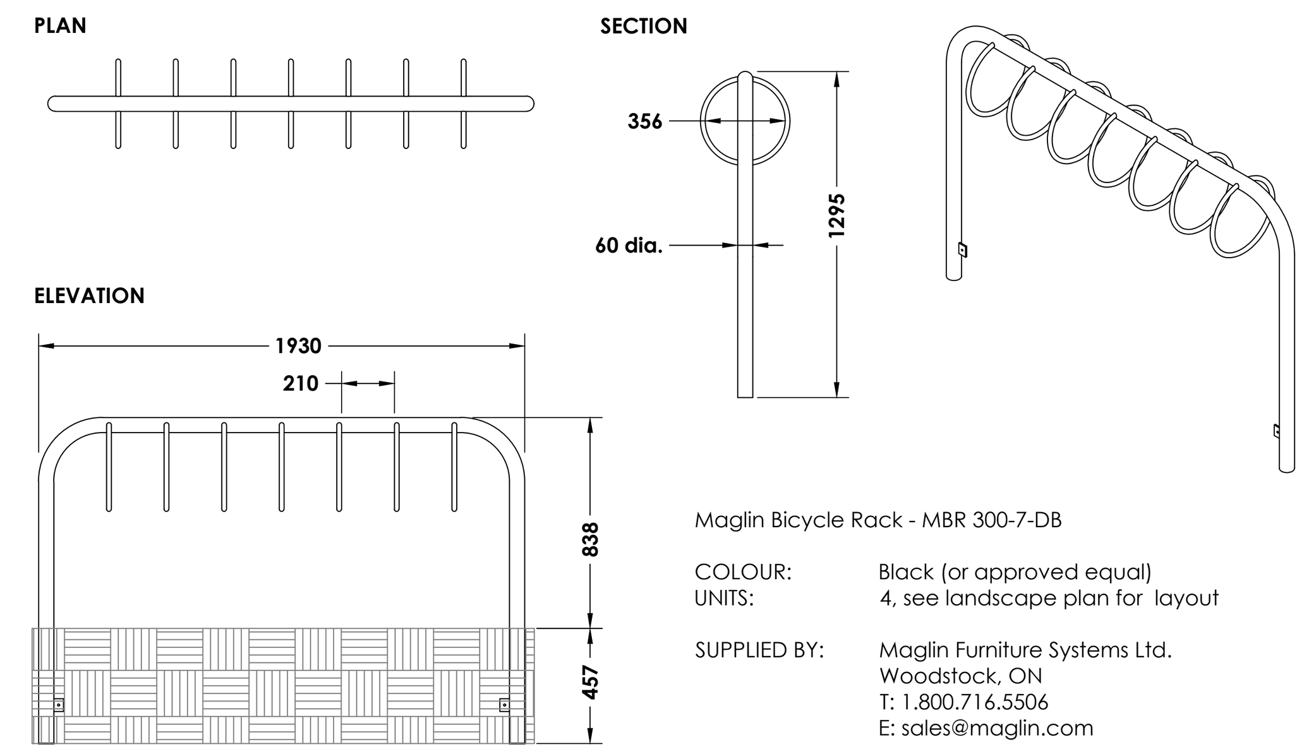


CONTAINER GROWN PERENNIAL — 3 / L-2

N.T.S

PLANTING NOTES (HAMILTON):

1. Soil mixture: four (4) parts native soil, one (1) part well rotted compost. If existing soil is not suitable provide triple mix topsoil or approved equal.
2. Saucer shall be soaked with water and mulched immediately following planting.
3. Massed shrubs shall be planted in continuous mulched beds unless otherwise noted.
4. Staking schedule;
   - < 30mm caliper size/ 2000mm ht. - one stake
   - 30-50mm caliper size/ 2500mm ht. - two stakes
   - > 50mm caliper - no stakes
5. All support systems must be removed once tree is established.
6. All trees to be straight and planted vertically regardless of slope.
7. Top of root flare shall be positioned 50mm above grade.
8. As per the City of Hamilton Planting Policy ensure that the root ball of the proposed trees is large enough to accommodate at least 75 percent of the fibrous root system (e.g. for 50mm caliper trees the root ball diameter must be 70cm minimum).
9. No single species shall make up more than 20% of the total street tree population, where the development includes 20 or more tree plantings.
10. Shall be spaced a minimum of 8 meters and maximum of 10 meters apart where proposed along non-residential frontage, such as park blocks.
11. New sidewalks, paving or asphalting shall allow 1.5 m^2 of breathing space for tree roots, and shall include such construction materials such as interlocking stone, rubber mats and steel grating to allow for this breathing space.
12. Individually planted trees in new sidewalks installations shall include 21m^3 of soil and a grouping of 2 or more trees in a soil bed shall include 16m^3 of soil per tree.



Maglin Bicycle Rack - MBR 300-7-DB

COLOUR: Black (or approved equal)
UNITS: 4, see landscape plan for layout

SUPPLIED BY: Maglin Furniture Systems Ltd.
Woodstock, ON
T: 1.800.716.5506
E: sales@maglin.com

BIKE RACK BY MAGLIN (OR APPROVED EQUAL) — 4 / L-2

N.T.S.

FILE:Z:\Project_files\Projects_2024\24-125_420 Mohawk Rd E_Hamilton\01-Current_Drawings\24-125L.dwg LAYOUT:2_Details
LAST SAVED BY:Station13, Thursday, June 27, 2024 8:45:41 AM PLOTTED BY:Carleigh Pope Thursday, June 27, 2024 8:46:48 AM

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MUNICIPALITY
City of Hamilton

PROJECT
420 Mohawk Road East, Hamilton

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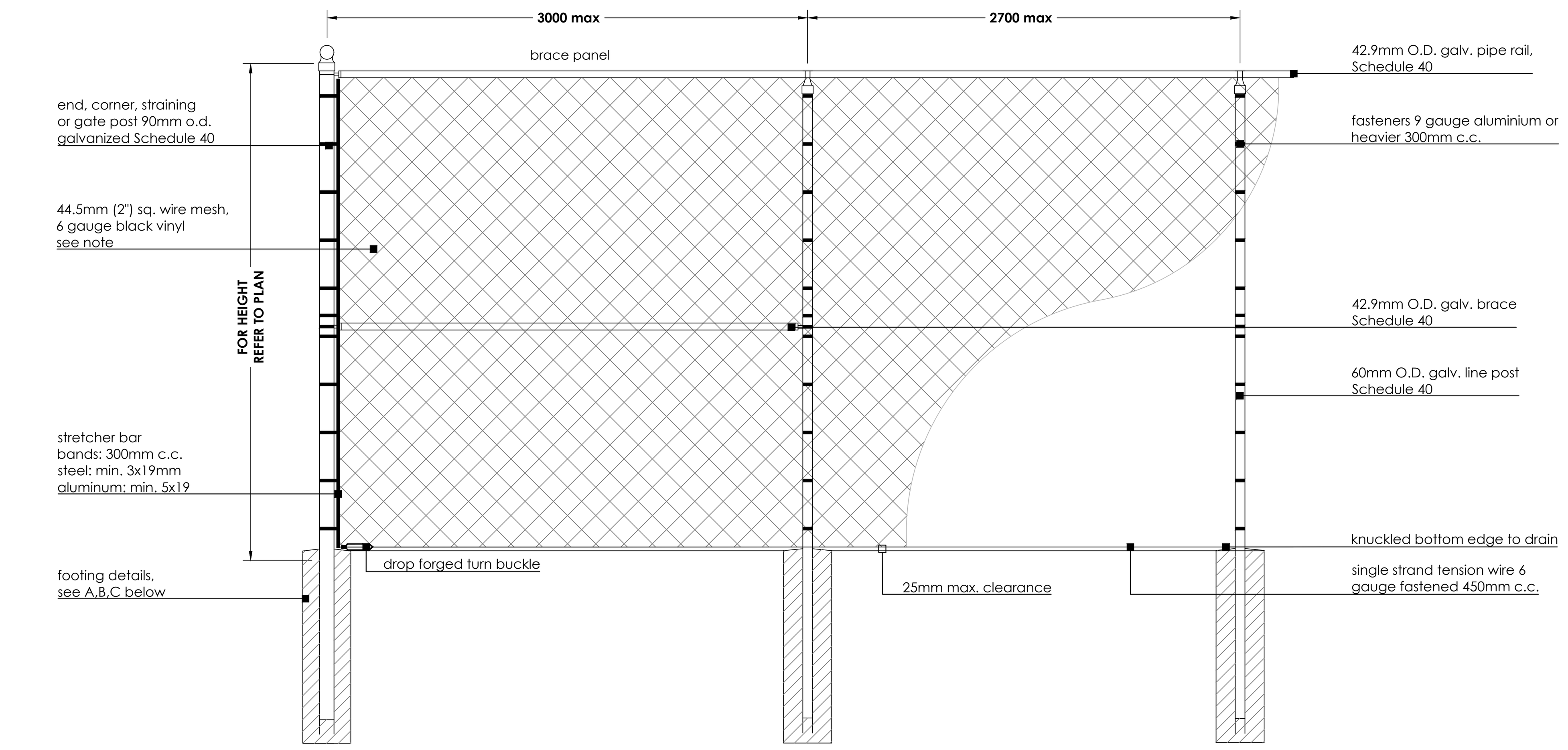
SHEET
Details
L-2

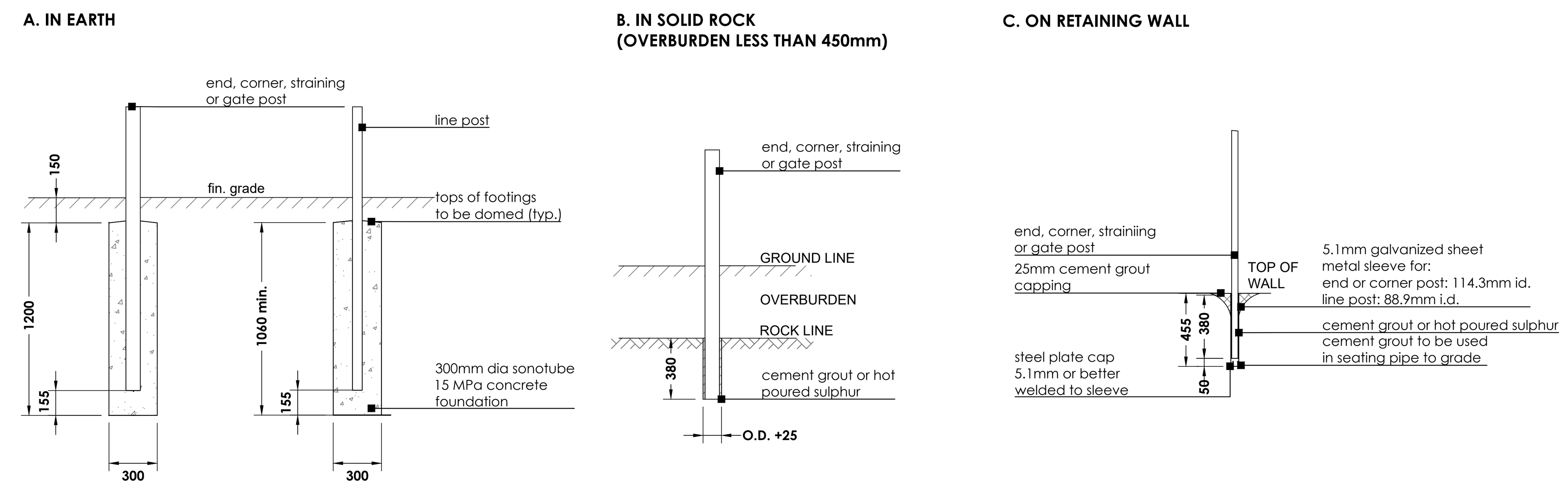
adesso design inc.
landscape architecture

69 John Street South, Suite 250
Hamilton, ON L8N 2B9
t. 905.526.8876
www.adessodesigninc.ca

project #: 24-125

ELEVATION





NOTES:

1. All dimensions shown in mm, except as noted.
2. All fence fabric, posts, caps, braces & top rails shall be coated with black vinyl.
3. Wire mesh gauge as specified shall be measured prior to powder coating.
4. Position of fence shown on plan and shall be verified on site by landscape architect prior to installation. Any changes to positioning shall be verified by landscape architect.

POST DETAILS

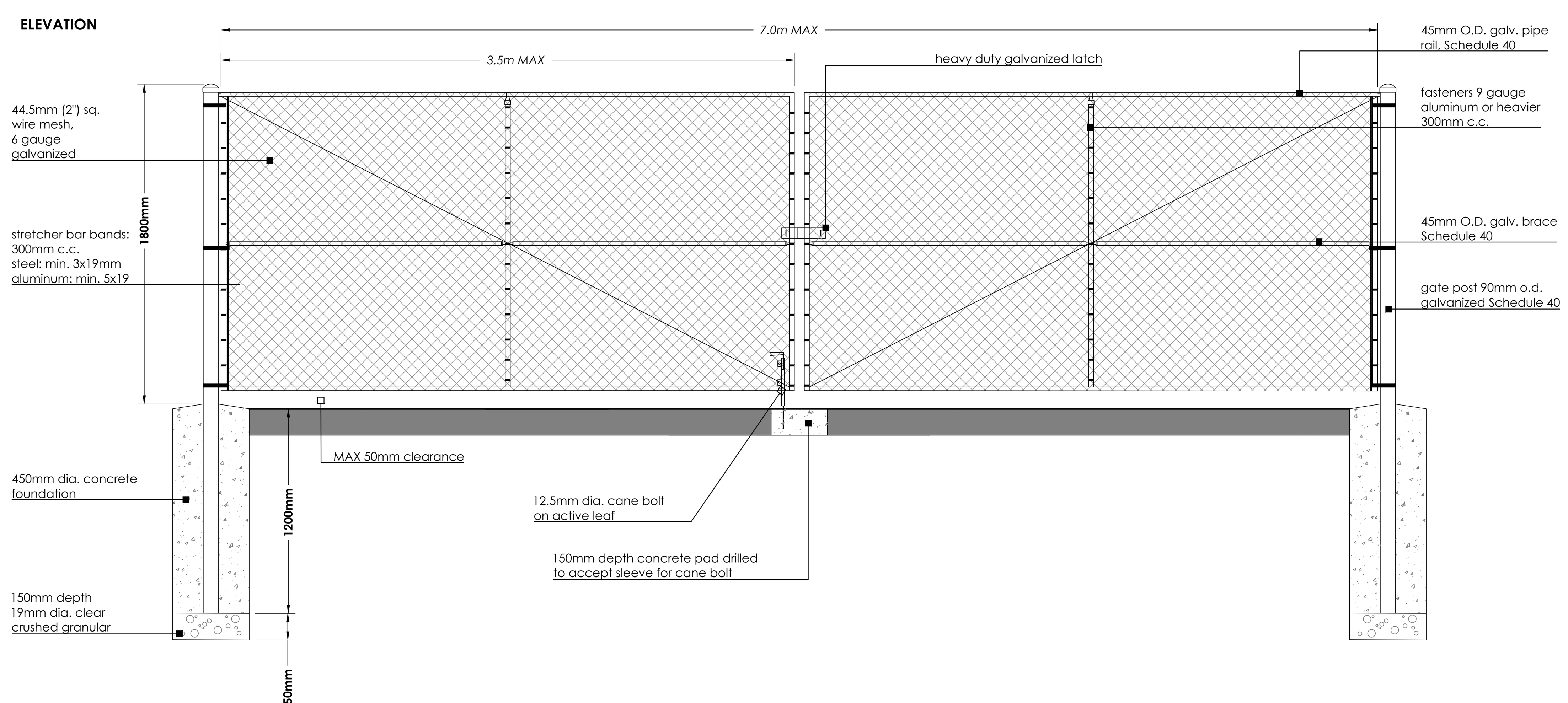
DESCRIPTION	O.D.	LENGTH (m) STANDARD	LENGTH (m) RETAINING WALLS
Line	0.603	2.5	2.0
End, corner, straining and gates with openings 5.5m max.	0.889	2.7	2.3
Gates with openings 10.0m max.	1.14	2.7	--

CHAIN LINK FENCE

N.T.S.

1 / L-3

ELEVATION



NOTES:

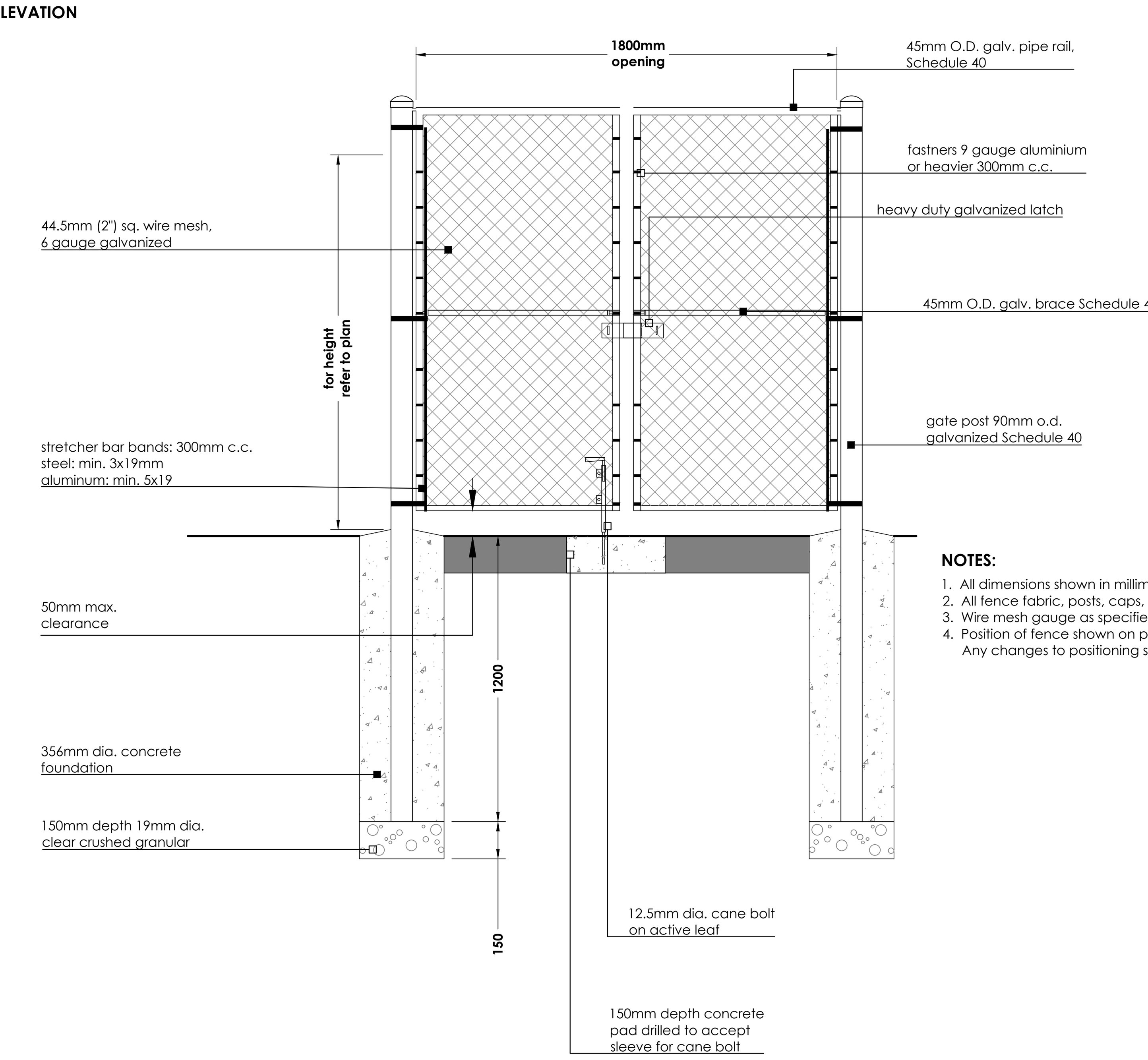
1. All dimensions shown in millimeters, except as noted.
2. All fence fabric, posts, caps, braces & top rails shall be black vinyl powder coated.
3. Wire mesh gauge as specified and measured prior to powder coating.
4. Position of fence shown on plan shall be verified on site by landscape architect prior to installation. Any changes to positioning shall be verified by landscape architect.

CHAIN LINK DOUBLE SWING GATE FOR GARBAGE ENCLOSURE

N.T.S.

2 / L-3

ELEVATION



NOTES:

1. All dimensions shown in millimeters, except as noted.
2. All fence fabric, posts, caps, braces & top rails shall be black vinyl powder coated.
3. Wire mesh gauge as specified and measured prior to powder coating.
4. Position of fence shown on plan shall be verified on site by landscape architect prior to installation. Any changes to positioning shall be verified by landscape architect.

CHAIN LINK DOUBLE SWING GATE

N.T.S.

3 / L-3

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