

By Lily Xu at 3:25 pm, Jun 05, 2025

TREE OWNERSHIP	
	QTY.
CITY	0
PRIVATE	33

SMALL	(A) 20m ³ SINGLE TREE (B) 9m ³ MULTIPLE GROUPED TREES (C) 25m ³ IN SENSITIVE MARINE CLAY	 (A) (B) (C)
MEDIUM	(D) 25m ³ SINGLE TREE (E) 15m ³ MULTIPLE GROUPED TREES (F) 30m ³ IN SENSITIVE MARINE CLAY	 (D) (E) (F)
LARGE	(G) 30m ³ SINGLE TREE (H) 18m ³ MULTIPLE GROUPED TREES	 (G) (H)
CONIFER	25m ³ SINGLE TREE 15m ³ MULTIPLE GROUPED TREES	

* SOIL VOLUME BLOCKS CALCULATED AT:
1m DEPTH IN REGULAR SOIL CONDITIONS; AND
1.5m DEPTH IN SENSITIVE MARINE CLAY SOILS

** ALL TREES HAVE UNRESTRICTED SOIL ACCESS, UNLESS OTHERWISE NOTED

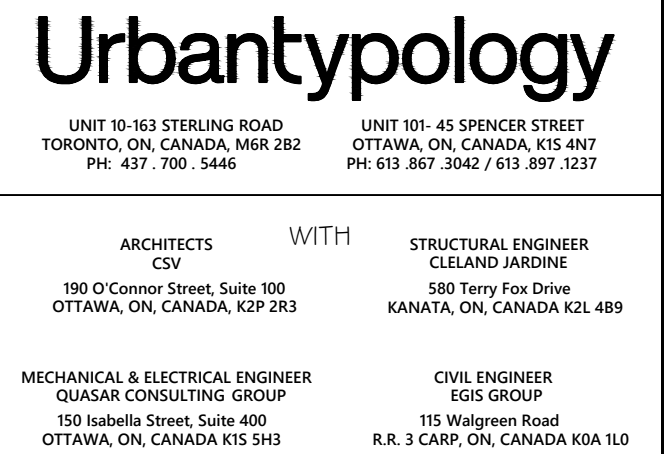
*** FOR TREE CANOPY PROJECTIONS AND SENSITIVE MARINE CLAY SOIL
OFFSET DIAGRAM REFER TO L 1.3

GASTOPS PLANT LIST - TREES L1.1								
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	NATIVE	OWNERSHIP
CONIFEROUS TREES								
PR	3	PICEA GLAUCA	WHITE SPRUCE	50mm	As Shown	BB-WB	YES	PRIVATE
PS	5	PINUS STROBUS	EASTERN WHITE PINE	50mm	As Shown	BB-WB	YES	PRIVATE
LARGE DECIDUOUS TREES								
AR	4	ACER RUBRUM	RED MAPLE	50mm	As Shown	BB-WB	YES	PRIVATE
GD	5	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	50mm	As Shown	BB-WB	YES	PRIVATE
TA	4	TILIA AMERICANA	BASSWOOD	50mm	As Shown	BB-WB	YES	PRIVATE
QA	4	QUERCUS MACROCARPA	BUR OAK	50mm	As Shown	BB-WB	YES	PRIVATE

SMALL DECIDUOUS TREES								
OV	5	OSTRYA VIRGINIANA	IRONWOOD	50mm	As Shown	BB-WB	YES	PRIVATE
PP	3	PRUNUS PENSYLVANICA	PIN CHERRY	50mm	As Shown	BB-WB	YES	PRIVATE

** ALL PLANT SPECIES CHOSEN IN ACCORDANCE WITH AIRPORT ZONING REGULATIONS

** ALL PLANT SPECIES CHOSEN IN ACCORDANCE WITH AIRPORT ZONING REGULATIONS



FOR



PREPARED IN COORDINATION WITH
EOTECHNICAL REPORT PREPARED
BY PATERSON GROUP

	UNIT PAVERS TYPE 1
	UNIT PAVERS TYPE 2
	CONCRETE PATHWAY
	TOPSOIL AND TURF
	TOPSOIL AND FLOOD TOLERANT TURF
	SEED MIX- OSC 8170
	NATURALIZED AREA
	SEED MIX- OSC 6824
	POLLINATOR AREA
	REQUIRED SOIL VOLUME



5	REISSUED FOR REVIEW	MAY 23,25
4	REISSUED FOR REVIEW	APR 14,25
3	REISSUED FOR REVIEW	FEB 13,25
2	REISSUED FOR REVIEW	FEB 07,25
1	ISSUED FOR SPA	DEC 12,24
NO.: REVISION:		DATE:

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- VERIFY LOCATION OF ALL UNDERGROUND SERVICES AND UTILITIES WITH RESPECTIVE AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

PROJECT:

GASTOPS

LOCATION:
3700 Twin Falls Place
Ottawa, Ontario, Canada

DRAWN: MC	START DATE:
CHECKED: LM	NOV 2024

Gastops HQ Landscape Plan

SCALE: 1:400 PAGE SIZE: 24X36

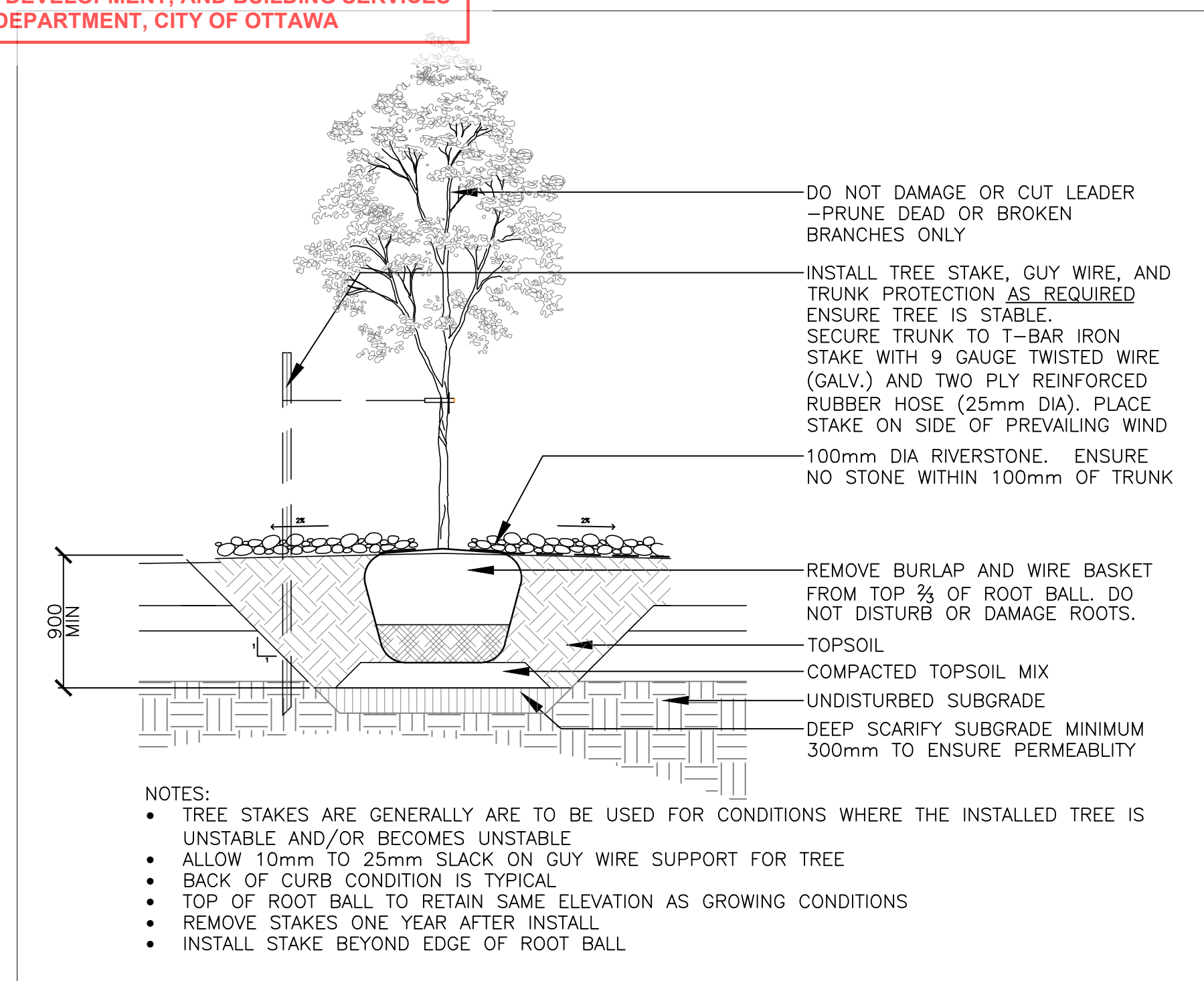
PLAN #: 19226

NORTH:	SHEET NO.:
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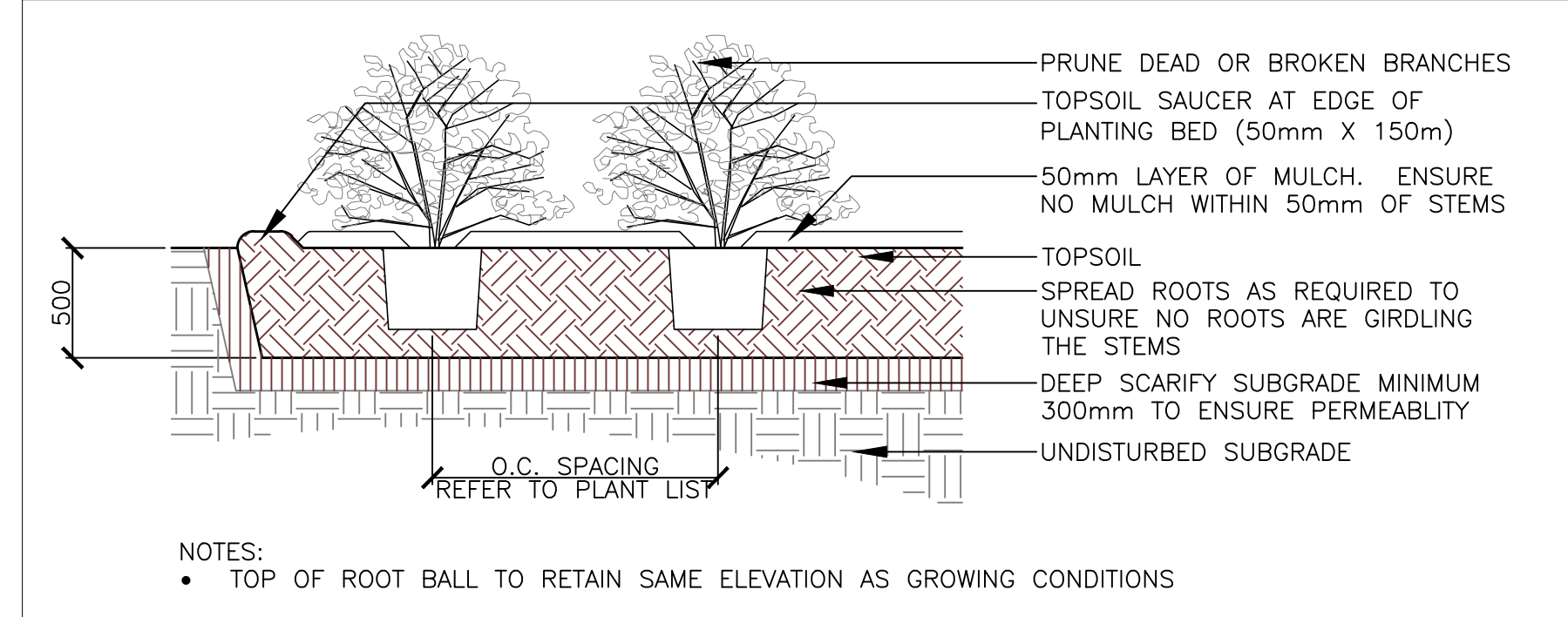
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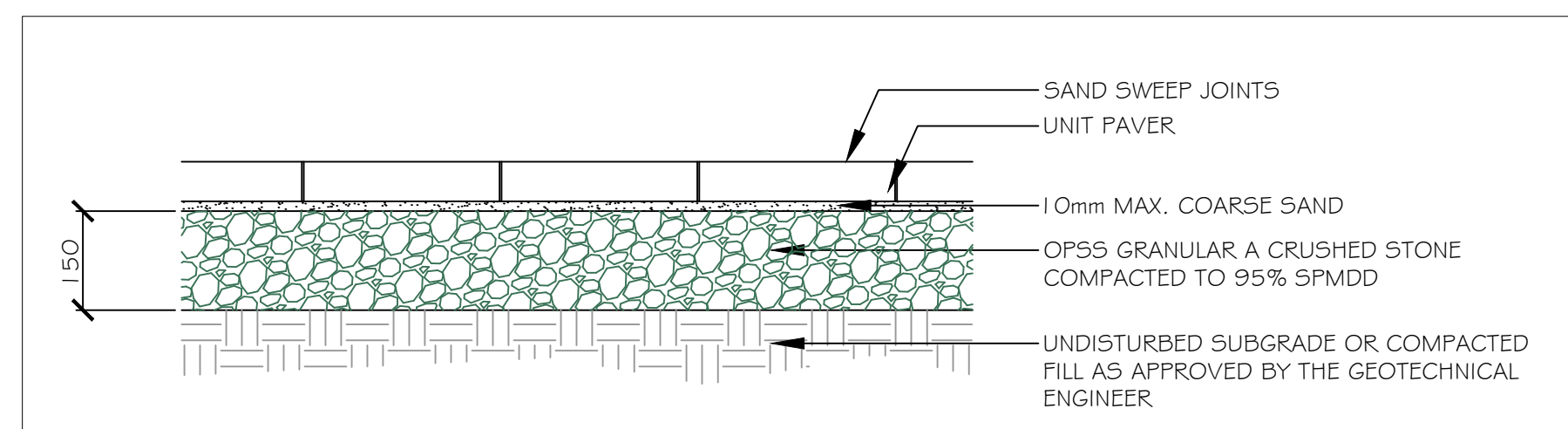
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



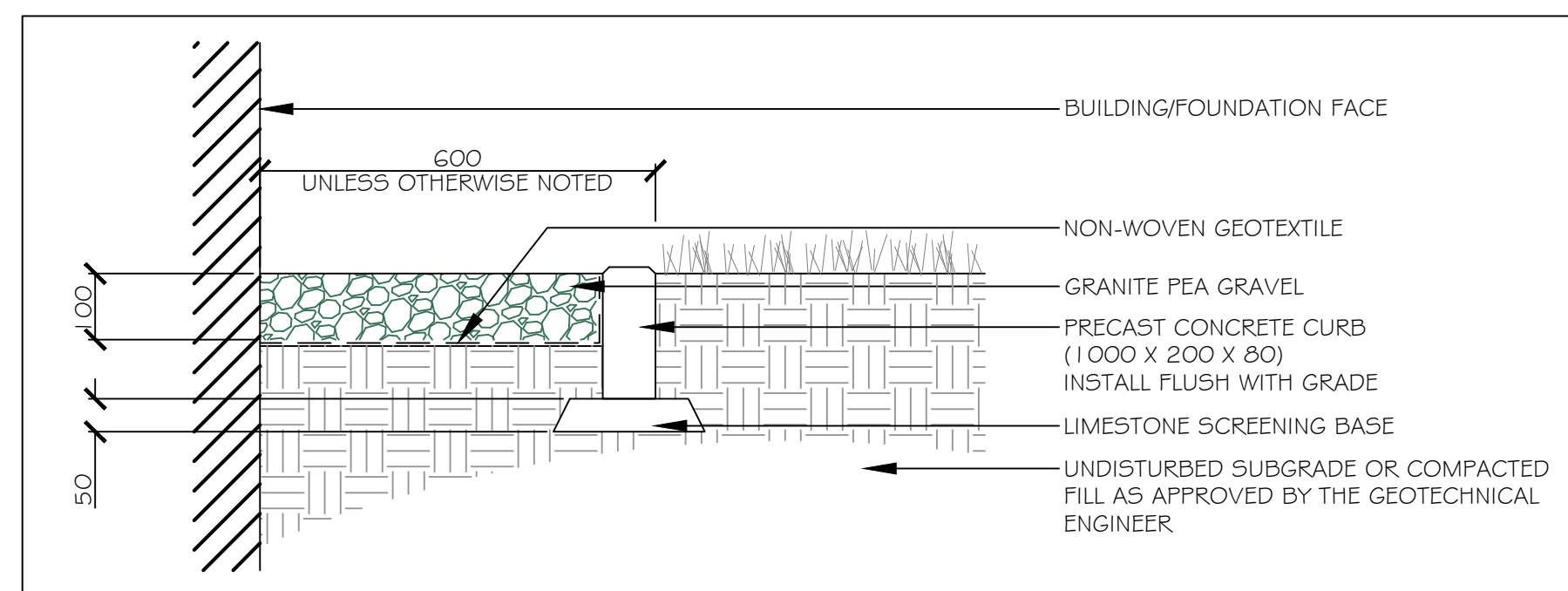
1 TREE PLANTING Scale: 1:30



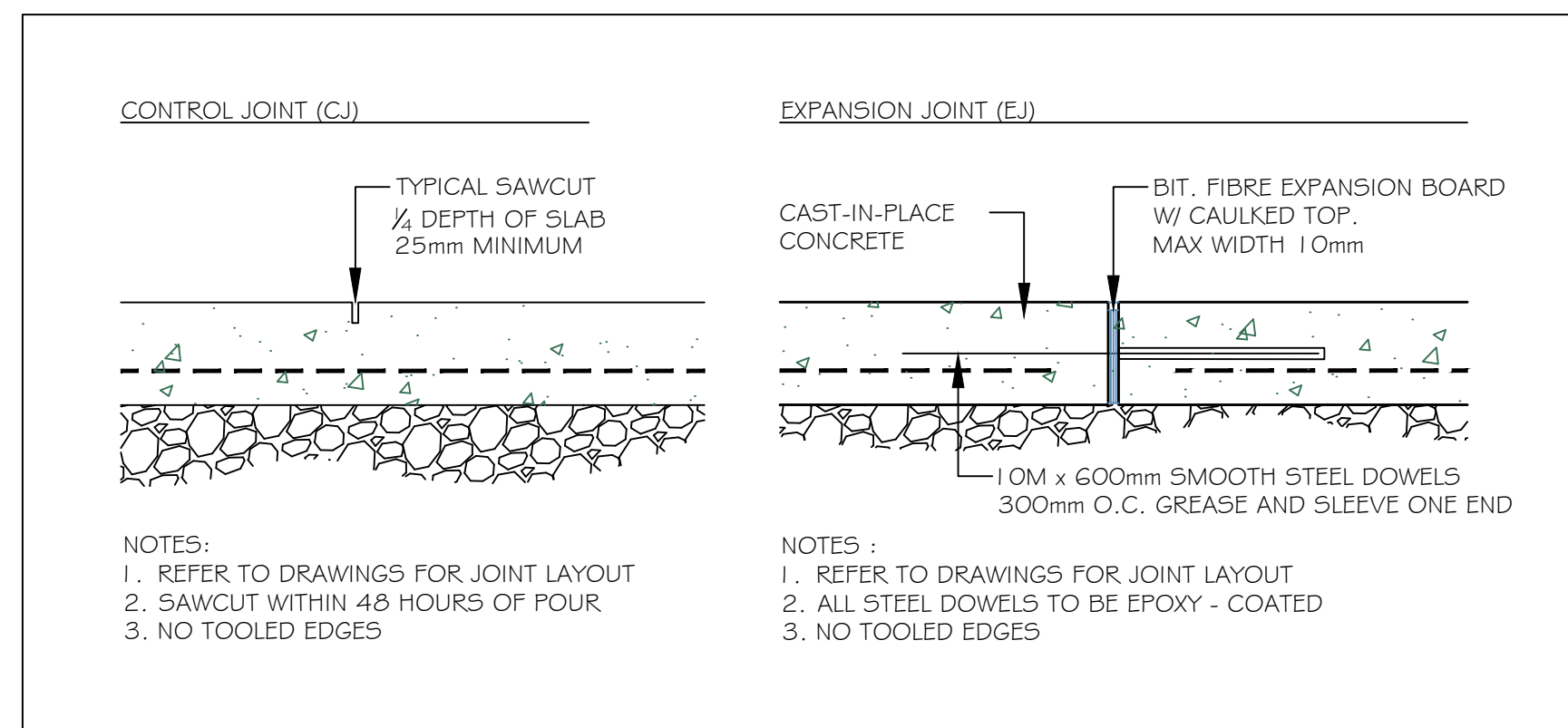
2 SHRUB PLANTING



3 UNIT PAVER

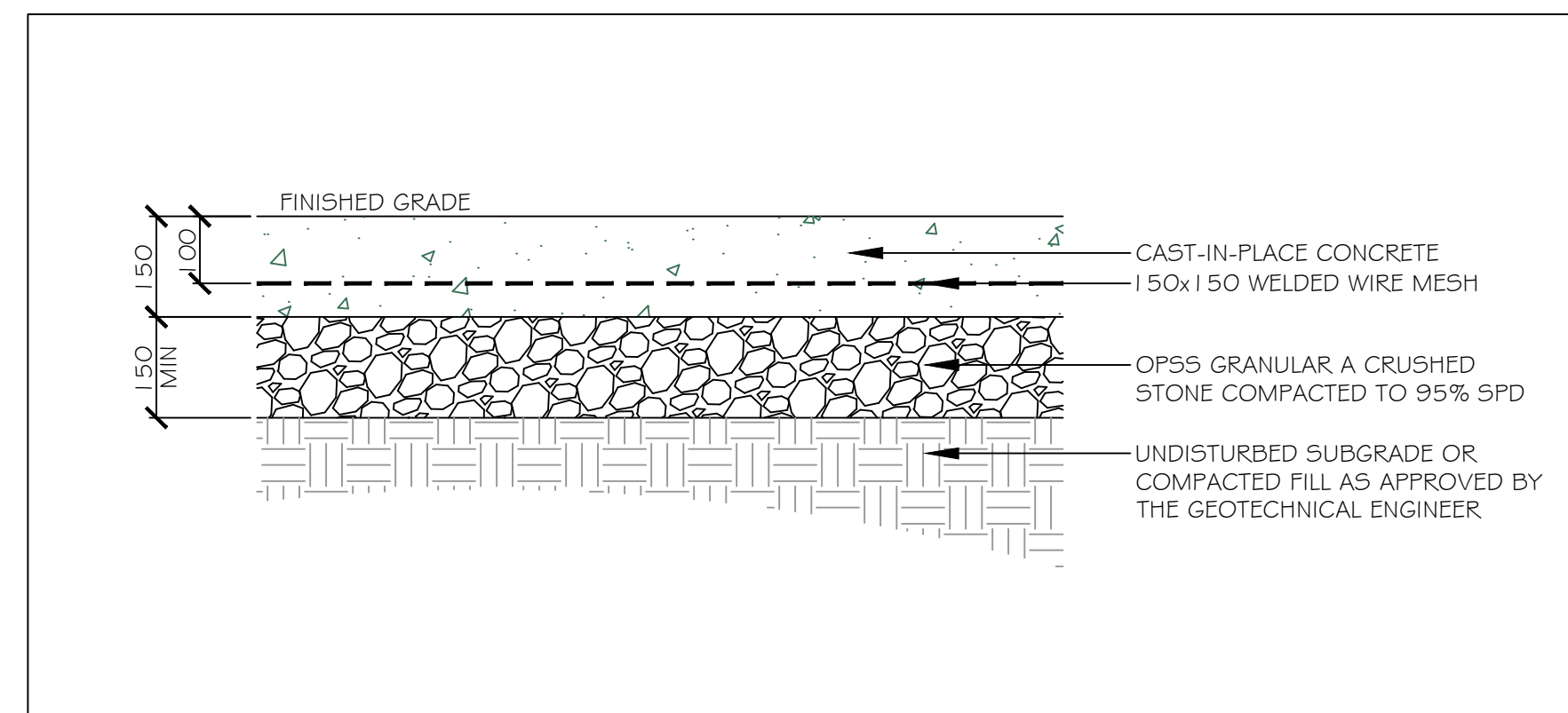


4 MAINTENANCE STRIP

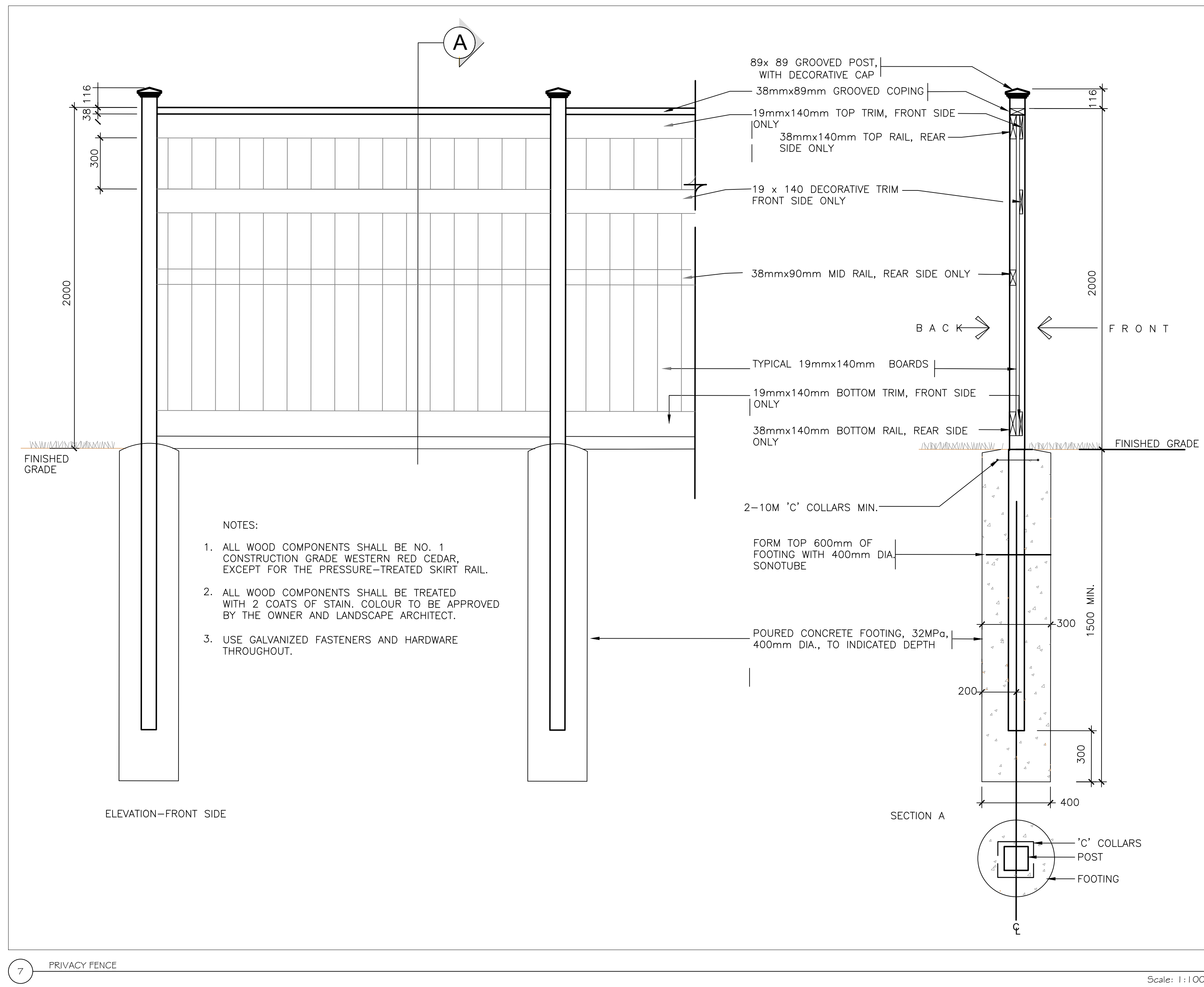


5 concrete joints

Scale: 1:100



6 concrete paving



Urbantypology

UNIT 10-163 STERLING ROAD
TORONTO, ON, CANADA, M6R 2B2
PH: 437.700.5446

UNIT 101- 45 SPENCER STREET
OTTAWA, ON, CANADA, K1S 4N7
PH: 613.867.3042 / 613.897.1237

ARCHITECTS WITH STRUCTURAL ENGINEER
CSV CLELAND JARDINE
190 O'Connor Street, Suite 100 580 Terry Fox Drive
OTTAWA, ON, CANADA, K2P 2R3 KANATA, ON, CANADA K2L 4B8

MECHANICAL & ELECTRICAL ENGINEER QUASAR CONSULTING GROUP 150 Isabella Street, Suite 400 OTTAWA, ON, CANADA K1S 5H3	CIVIL ENGINEER EGIS GROUP 115 Walgreen Road R.R. 3 CARP, ON, CANADA K0A 1H1
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FOR

The logo for Gastops is contained within a black rectangular box. It features the word "gastops" in a white, lowercase, sans-serif font. The letter "o" is replaced by a stylized blue sun or gear icon with multiple teeth.

1011 Polytek Street
OTTAWA, ON, CANADA, K1J 9J3
PH: 613. 744. 8846

PREPARED IN COORDINATION WITH
GEOTECHNICAL REPORT PREPARED
BY PATERSON GROUP



5	REISSUED FOR REVIEW	MAY 23,
4	REISSUED FOR REVIEW	APR 14,
3	REISSUED FOR REVIEW	FEB 13,
2	REISSUED FOR REVIEW	FEB 07,
1	ISSUED FOR SPA	DEC 12,
NO.: REVISION:		DATE:

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DRAWN: MC	START DATE:
CHECKED: LM	NOV 2024

DRAWING:

Gastops HQ Landscape Details

SCALE:	-	PAGE SIZE: 24X36
PLAN #:		19226

NORTH:	SHEET NO.:
	1 1 2

L 1.2

D07-12-24-0170

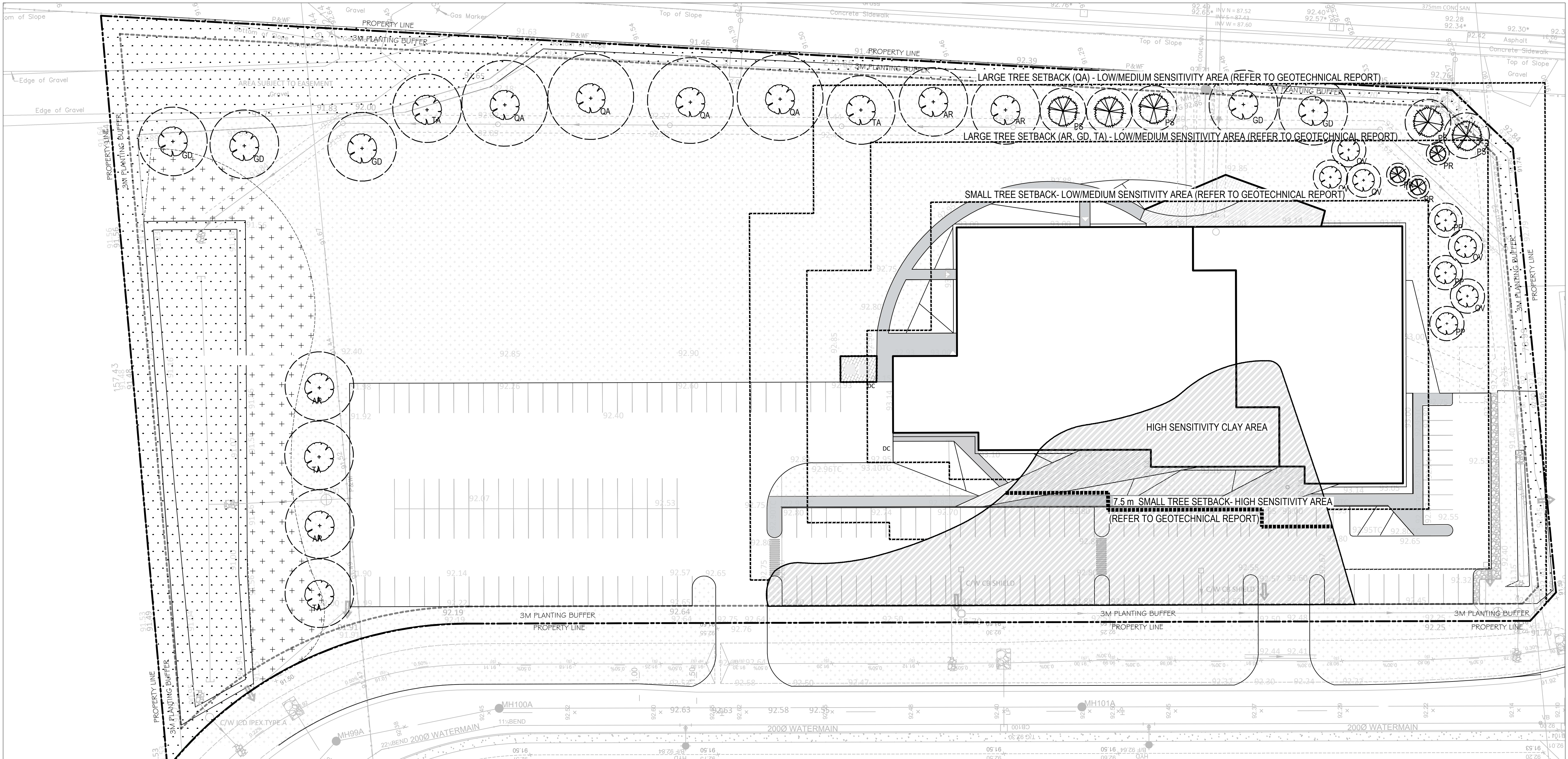
[Signature]

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Lily Xu at 3:25 pm, Jun 05, 2025

40 YEAR TREE CANOPY CALCULATIONS		
TOTAL SITE AREA (HECTARES)*	40 YEAR TREE CANOPY AREA (HECTARES)	ESTIMATED 40 YEAR TREE CANOPY % OF TOTAL SITE (0.27/2.7 x 100)
2.7 h	0.27 h	10%
*Total site area includes building footprint, parking, and all other amenities.		

GASTOPS PLANT LIST - TREES L1.1										
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	ROOT	NATIVE	SREAD AT MATURITY	ESTIMATED SPREAD AT 40 YEARS (2/3 MATURITY)	REFERENCE INFORMATION
CONIFEROUS TREES										
PR	3	PICEA GLAUCA	WHITE SPRUCE	50mm	As Shown	BB-WB	YES	6m	4m	1
PS	5	PINUS STROBUS	EASTERN WHITE PINE	50mm	As Shown	BB-WB	YES	12m	8m	1
LARGE DECIDUOUS TREES										
AR	4	ACER RUBRUM	RED MAPLE	50mm	As Shown	BB-WB	YES	15m	10m	1
GD	5	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	50mm	As Shown	BB-WB	YES	15m	10m	1
TA	4	TILIA AMERICANA	BASSWOOD	50mm	As Shown	BB-WB	YES	15m	10m	1
QA	4	QUERCUS MACROCARPA	BUR OAK	50mm	As Shown	BB-WB	YES	25m	15m	1
SMALL DECIDUOUS TREES										
OV	5	OSTRYA VIRGINIANA	IRONWOOD	50mm	As Shown	BB-WB	YES	9m	6m	1
PP	3	PRUNUS PENSYLVANICA	PIN CHERRY	50mm	As Shown	BB-WB	YES	9m	6m	1
SOURCE: 1. Dirr, Michael. Manual of Woody Landscape Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses. 5th ed., Stipes Pub., 1998.										



40 YEAR TREE CANOPY PROJECTION

Urbantypology

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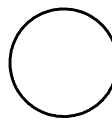
FOR



1011 Polytek Street
OTTAWA, ON, CANADA, K1U 9J3
PH: 613-744-8846

PREPARED IN COORDINATION WITH
GEOTECHNICAL REPORT PREPARED
BY PATERSON GROUP

LEGEND



PROJECTED 40
YEAR TREE CANOPY



HIGH SENSITIVITY
CLAY AREA



REQUIRED TREE
SETBACK



5	REISSUED FOR REVIEW	MAY 23,25
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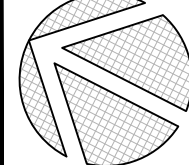
DRAWN: MC START DATE:
CHECKED: LM NOV 2024

DRAWING:
Gastops HQ Tree
Canopy Projections

SCALE: 1:400 PAGE SIZE: 24X36

PLAN #: 19226

NORTH: SHEET NO.:



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