

1047 RICHMOND RD

A PROJECT OF
FENGATE ASSET MANAGEMENT
2275 UPPER MIDDLE RD. E.,
SUITE 700
OAKVILLE, ON L6H 0C3

FENGATE

LANDSCAPE ARCHITECT

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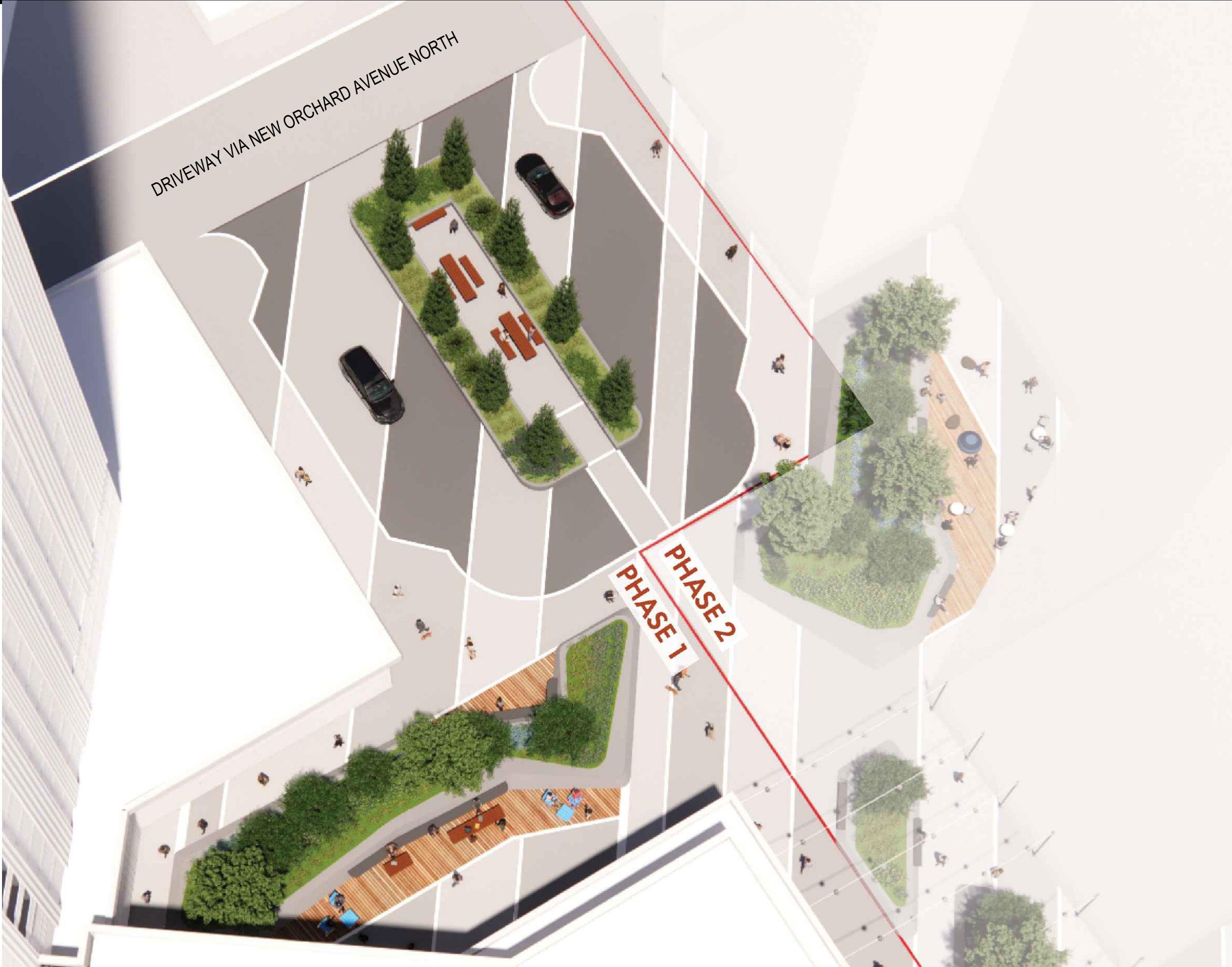


REVISIONS		
15	RE-ISSUED FOR SPA3	2024-06-25
14	ISSUED FOR COORDINATION	2025-06-05
13	ISSUED FOR SPA	2025-04-11
12	ISSUED FOR COORDINATION	2025-01-20
11	ISSUED FOR SPA	2024-12-13
10	ISSUED FOR COORDINATION	2023-12-04

DATE
2025-06-25

PHASE
SPA3

PROJECT NUMBER
22-178



Sheet Number	Sheet Title
LC.000	COVER PAGE
LS.101	LANDSCAPE PLAN-ULTIMATE
LS.102	LANDSCAPE PLAN-INTERIM
LS.103	PUBLIC PARK FACILITY FIT PLAN
LSV.100	SOIL VOLUME NOTES & SCHEDULE
LSV.101	SOIL VOLUME PLAN
LU.100	COMPOSITE UTILITY PLAN
LL.100	LANDSCAPE LIGHTING PLAN
LP.100	PLANTING SCHEDULE AND NOTES
LP.101	PLANTING PLAN
LP.102	TREE CANOPY COVER
LS.200	LANDSCAPE DETAILS
LS.201	LANDSCAPE DETAILS
LS.202	LANDSCAPE DETAILS
LS.203	LANDSCAPE VIEWS
LS.300	LANDSCAPE SECTIONS
LS.301	LANDSCAPE SECTIONS

NOTES

THE INTENT OF THIS DRAWING IS TO REPRESENT THE
ULTIMATE SITE DESIGN FOR PHASE 1 AND PHASE 2.

LEGEND

- PLANTING AREA
- SOD
- UNIT PAVEMENT
- HEAVY DUTY UNIT PAVEMENT
- CONCRETE
- WOOD DECK
- PROPERTY LINE
- BUILDING SETBACK LINE
- BIKE RACK
- BENCH
- CATENARY LIGHTING
- TACTILE PAVING
- PROPOSED TREES
- TREE REMOVAL
- EXISTING TREE
- FIRE HYDRANT
- VEHICULAR DIRECTION
- SIAMENSE CONNECTION
- ROAD SIGN
- CHAIN LINK FENCE

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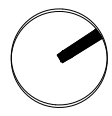
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Phase

SPA3

Date

2025-06-25

Drawing Name

LANDSCAPE PLAN-ULTIMATE

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LS.101

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NOTES

THE SUBJECT OF THIS SPA SUBMISSION IS PHASE 1 AS SHOWN
IN THIS DRAWING

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Keymap



Scale

AS SHOWN

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Phase

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2025-06-25

Drawing Name

LANDSCAPE PLAN-INTERIM

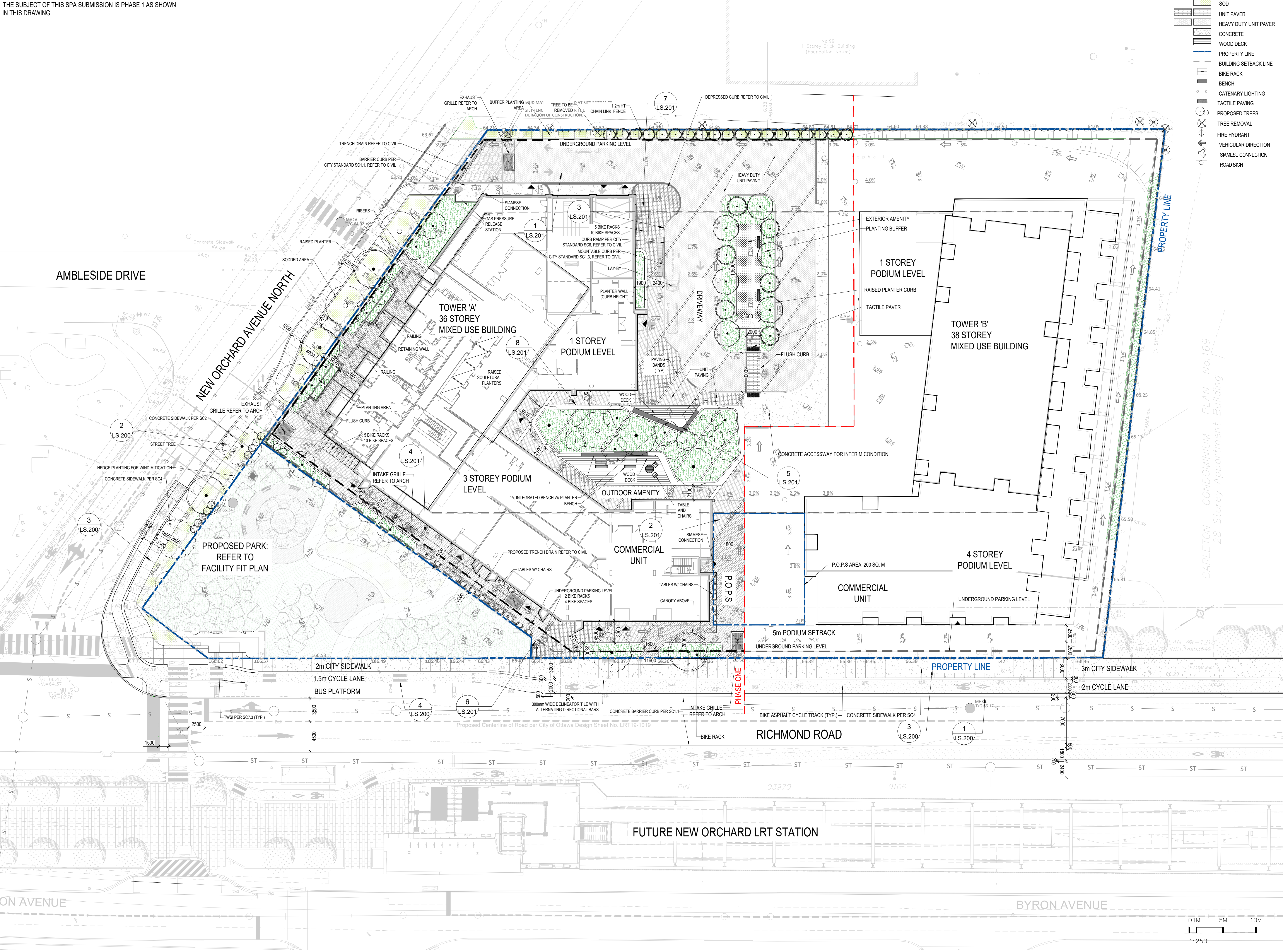
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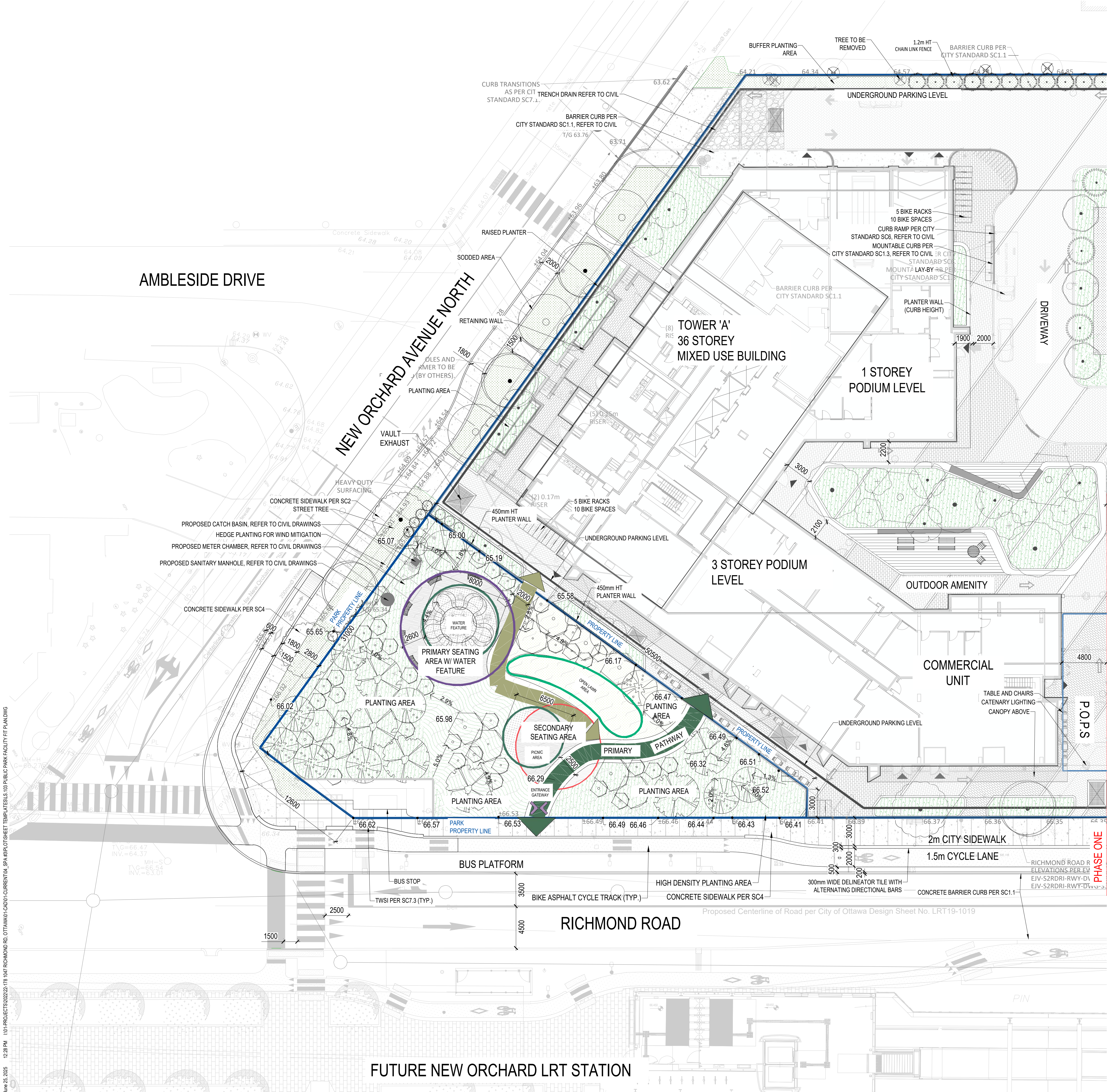
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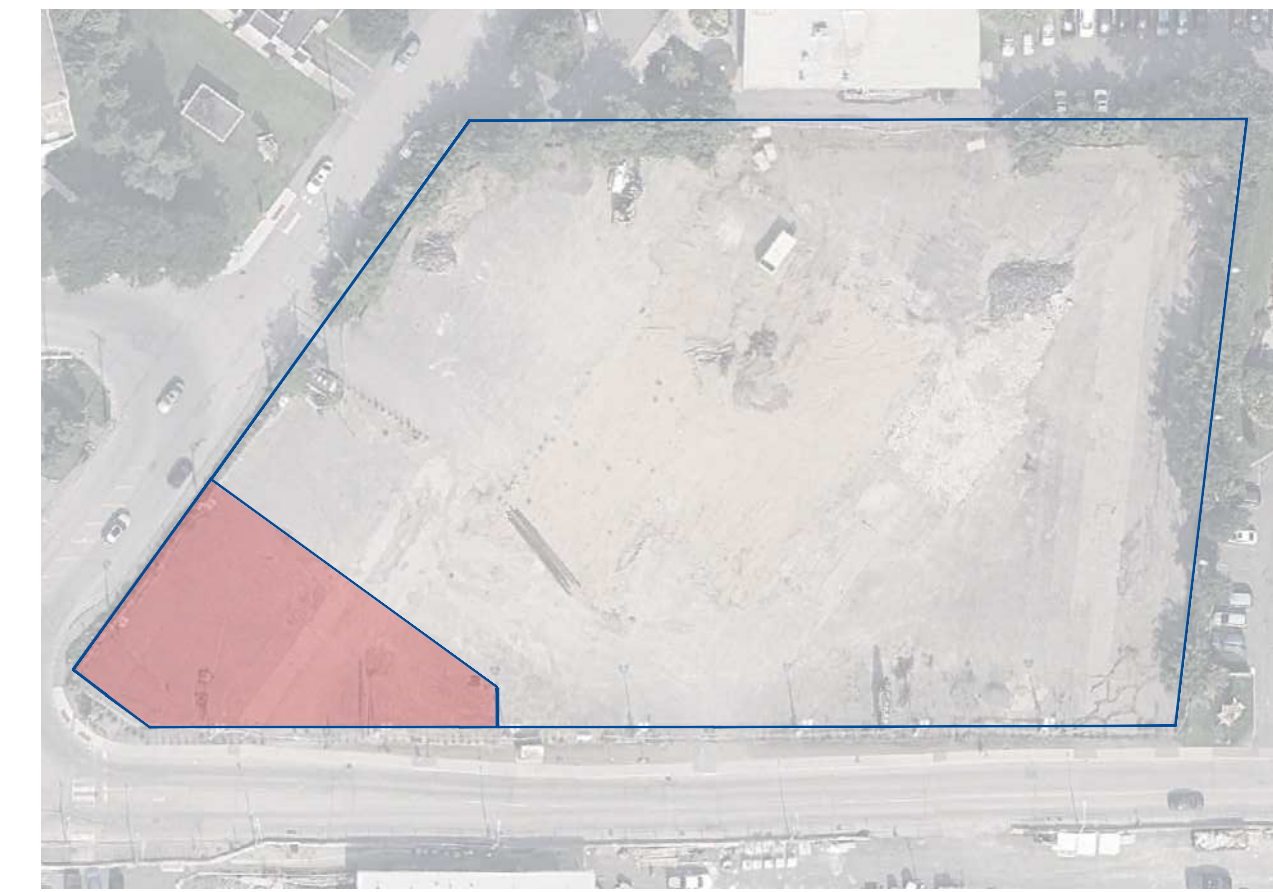
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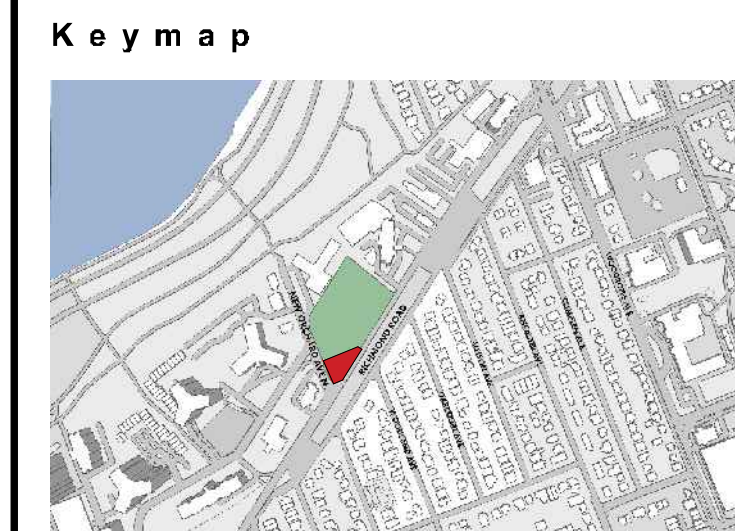
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Signature

Date



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North

Phase
SPA3

Date
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Drawing Name
PUBLIC PARK FACILITY FIT PLAN

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		Location (City ROW, private property)	Soil Area (m ²)	Soil Depth(m*)	Proposed Soil Volume (m ³)	Tree Quantity	Proposed Soil Volume per tree (m ³)	Ottawa Target Soil Volume per tree (m ³)	Soil Adequacy percentagepe r tree	Soil Cells (Yes/No)	Notes
PHASE 1	1 (Large Trees)	ROW	34	1.2	40.8	1	40.8	30	136%	No	
	2 (Large Trees)	ROW	53	1.2	63.6	2	31.8	18	177%	No	
	3 (Large Trees)	ROW	45	1.2	54	2	27.0	18	150%	No	
	4 (Large Trees)	ROW	91	1.2	109.2	3	36.4	18	202%	No	
	5 (Medium Trees)	Private Property	50	1	50	2	25.0	15	167%	No	
	6 (Columnar Trees)	Private Property	114	1	114	12	9.5	9	106%	No	
	7 (Shared Planter)	Private Property	218	1.2	261.6	15	17.4	15	116%	No	
										No	
										No	
	8 (Large Trees)	Private Property	36	1.2	43.2	2	21.6	18	120%	No	
	9 (Medium Trees)	Private Property	22	1.6	35.2	2	17.6	15	117%	No	
	10 (Medium Trees)	Private Property	22	1.6	35.2	2	17.6	15	117%	No	
	11 (Columnar Trees)	Private Property	97	1.6	155.2	19	8.2	9	91%	No	Adjacent soil will be used to increase the available soil volume
PHASE 2	12 (Medium Trees)	Private Property	17	1.6	27.2	2	13.6	12	113%	No	
	13 (Shared Planter)	Private Property	16	1.6	25.6	2	12.8	12	107%	No	
	14 (Large Trees)	Private Property	91	1.2	109.2	6	18.2	18	101%	No	
	15 (Shared Planter)	Private Property	29	1.2	34.8	2	17.4	12	145%	No	
	16 (Shared Planter)	Private Property	32	1.2	38.4	2	19.2	12	160%	No	
	17 (Shared Planter)	Private Property	205	1.2	246	12	20.5	15	137%	No	
										No	
	18 (Large Trees)	Private Property	148	1	148	4	37.0	18	206%	No	
	19 (Large Trees)	Private Property	80	1.2	96	5	19.2	18	107%	No	
	Totals		1400	24.2	1687.2	97	410.8	297.0	138%		

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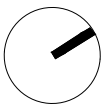
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Key map



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Phase
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Drawing Name
SOIL VOLUME NOTES & SCHEDULE

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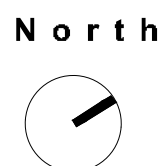
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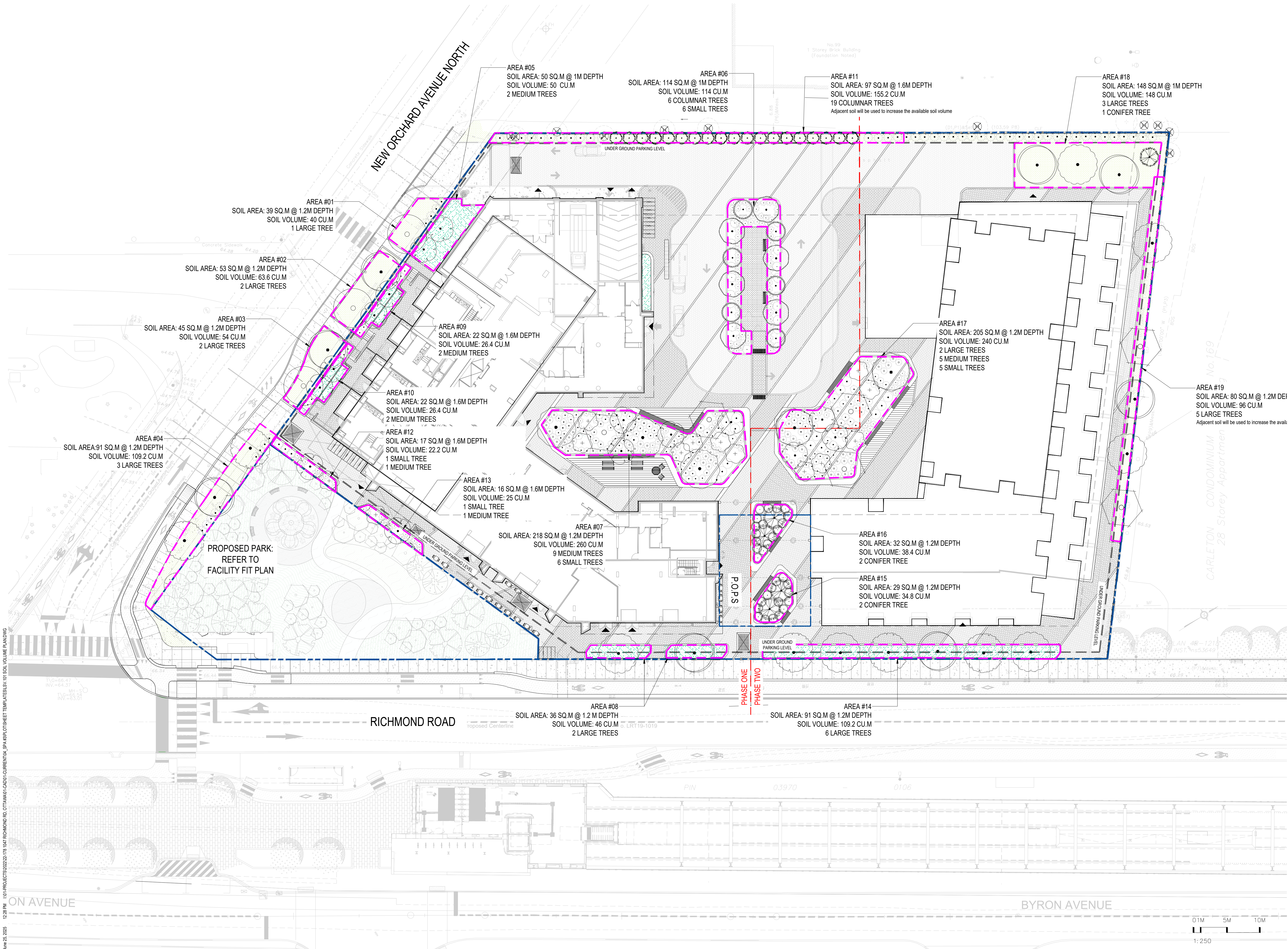
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SOIL VOLUME PLAN

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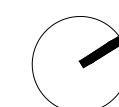
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COMPOSITE UTILITY PLAN

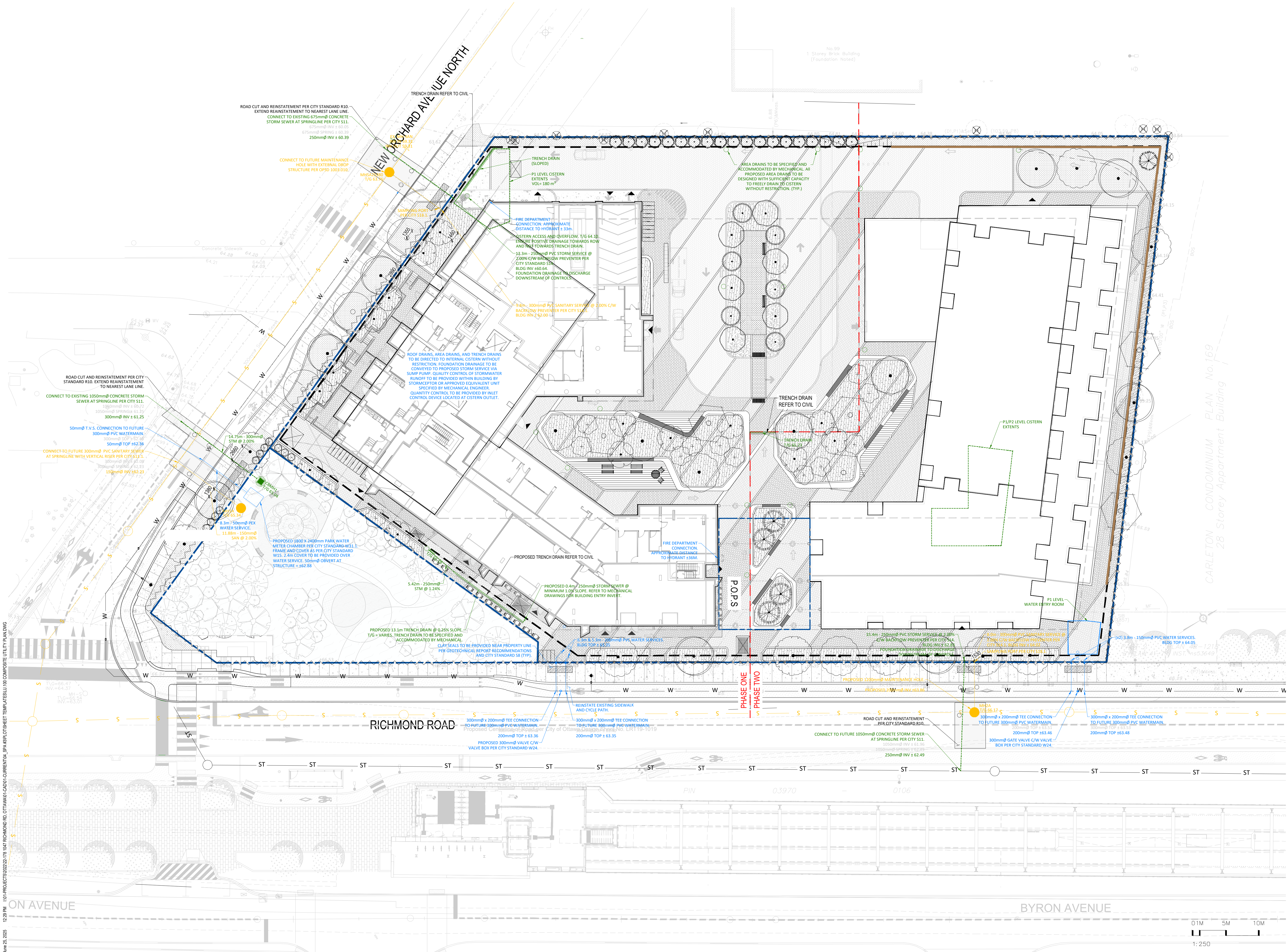
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EXTERIOR LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	CATALOG NUMBER	LAMPS PER FIXTURE	VOLT	MOUNTING	REMARKS
A	WALL SCONCE	WAC LIGHTING WS-W27106-30	LED 8.4 3000K	120	SURFACE	C/W ACCESSORIES
B1	BOLLARD	SIGNIFY GARDIO PBL-42-14L-200-WW-62-S-UNV	LED 10.6 3000K	120	SURFACE	C/W ACCESSORIES
B2	BOLLARD	SIGNIFY GARDIO PBL-42-14L-200-WW-62-3-UNV	LED 10.6 3000K	120	SURFACE	C/W ACCESSORIES
C	WALL MOUNTED	WAC LIGHTING DC-WC0517-F30A	LED 16.7 3000K	120	SURFACE	C/W ACCESSORIES
P	POLE	GARDIO PPT-C-404-830-TSM	LED 50.4 3000K	120	SURFACE	C/W ACCESSORIES
R	RECESSED	BEGA 2480BK3	LED 22 3000K	120	SURFACE	C/W ACCESSORIES
S	RECESSED	BEGA 3303BK3	LED 11 3000K	120	SURFACE	C/W ACCESSORIES
W	WALL SCONCE	SIGNIFY GARDIO 101L-16L-530-WW-02-4	LED 28.1 3000K	120	SURFACE	C/W ACCESSORIES

NOTE: LIGHT FIXTURES EQUAL IN AESTHETICS AND PERFORMANCE ARE ACCEPTABLE.
ALL LED FIXTURES SHALL BE C/W DRIVERS.

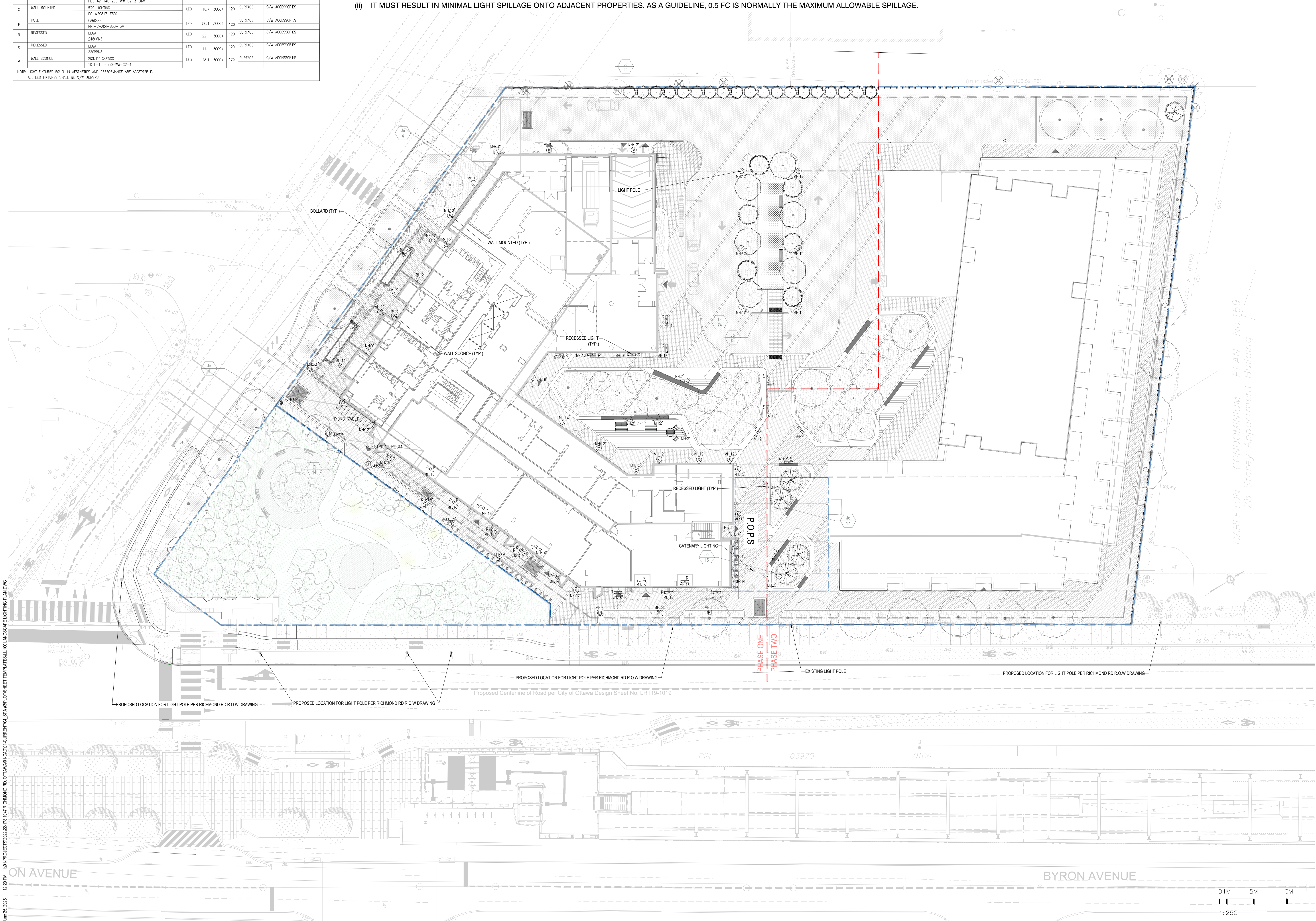
LIGHTING PLAN TO BE UPDATED

THE ULTIMATE DESIGN WILL NEED TO BE REVIEWED AND CERTIFIED THAT THE EXTERIOR SITE LIGHTING HAS BEEN DESIGNED TO MEET THE FOLLOWING CRITERIA:

- (i)

IT MUST BE DESIGNED USING ONLY FIXTURES THAT MEET THE CRITERIA FOR FULL CUT-OFF (SHARP CUT-OFF) CLASSIFICATION, AS RECOGNIZED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA OR IES); AND
- (ii)

IT MUST RESULT IN MINIMAL LIGHT SPILLAGE ONTO ADJACENT PROPERTIES. AS A GUIDELINE, 0.5 FC IS NORMALLY THE MAXIMUM ALLOWABLE SPILLAGE.



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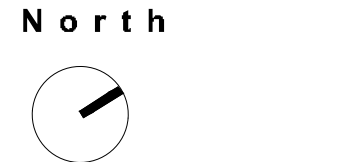
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LANDSCAPE LIGHTING PLAN

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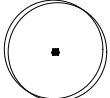
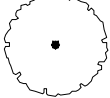
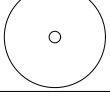
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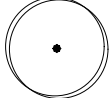
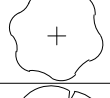
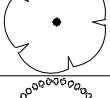
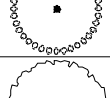
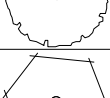
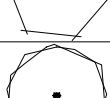
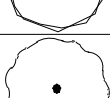
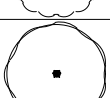
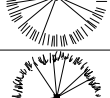
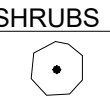
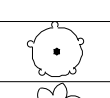
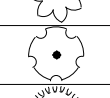
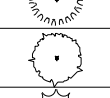
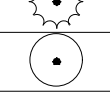
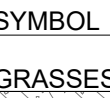
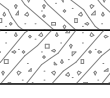
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PLANT SCHEDULE R.O.W

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	REMARKS
TREES							
	AX	3	ACER X FREEMANII	FREEMAN MAPLE	B&B	60MM CAL.	NATIVE TO ONTARIO
	CO	2	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B&B	60MM CAL.	NATIVE TO ONTARIO
	QR	3	QUERCUS RUBRA	NORTHERN RED OAK	B&B	70MM CAL.	NATIVE TO ONTARIO
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HT.	REMARKS
SHRUBS							
	Je	13	JUNIPERUS VIRGINIANA 'BLUE ARROW'	BLUE ARROW JUNIPERUS	5 GAL.		NATIVE

PLANT SCHEDULE SUBJECT SITE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HT.		REMARKS
TREES									
	AX	5	ACER X FREEMANII	FREEMAN MAPLE	B&B	60MM CAL.			NATIVE TO ONTARIO
	AA	13	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B	60MM CAL.			NATIVE TO ONTARIO
	AM	15	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY MULTI-TRUNK	B&B	60MM CAL.			NATIVE TO ONTARIO
	CB	6	CARPINUS BETULUS 'FASTIGIATA'	UPRIGHT EUROPEAN HORNBEAM	B&B	60MM CAL.			
	CO	3	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B&B	60MM CAL.			NATIVE TO ONTARIO
	GI	6	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE'	IMPERIAL® HONEY LOCUST	B&B	60MM CAL.			
	GK	2	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	B&B	60MM CAL.			
	OV	3	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	B&B	60MM CAL.			NATIVE TO ONTARIO
	QM	6	QUERCUS MACROCARPA	BURR OAK	B&B	70MM CAL.			NATIVE TO ONTARIO
	QN	6	QUERCUS ROBUR X BICOLOR 'NADLER'	KINDRED SPIRIT® OAK	B&B	60MM CAL.			
CONIFEROUS TREES									
	JT	23	JUNIPERUS VIRGINIANA 'TAYLOR'	TAYLOR EASTERN REDCEDAR	WB		250 CM		
	PB	4	PICEA PUNGENS 'BABY BLUE EYES'	BABY BLUE EYES SPRUCE	WB		200 CM		
	PS	1	PINUS STROBUS	EASTERN WHITE PINE	WB		250 CM		
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HT.	SPR.		REMARKS
SHRUBS									
	AI	81	AMORPHA CANESCENS	LEADPLANT	2 GAL.				NATIVE, DROUGHT TOLERANT POLLINATOR SHRUB. ATTRACTS BUTTERFLIES.
	Ca	65	CEANOTHUS AMERICANUS	NEW JERSEY TEA	3 GAL.				NATIVE, DROUGHT TOLERANT SHRUB. FRAGRANT POLLINATOR THAT ATTRACTS BUTTERFLIES AND HUMMINGBIRDS.
	Cf	33	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	3 GAL.				SALT TOLERANT
	DI	159	DIERVILLA LONICERA	BUSH HONEYSUCKLE	2 GAL.				NATIVE
	Iw	37	'ILEX VERTICILLATA MR. POPPINS'	MR POPPINS WINTERBERRY	2 GAL.				NATIVE
	Jo	32	JUNIPERUS CHINENSIS 'OLD GOLD'	OLD GOLD JUNIPER	2 GAL.				
	Jb	18	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP CREEPING JUNIPER	2 GAL.				
	Je	45	JUNIPERUS VIRGINIANA 'BLUE ARROW'	BLUE ARROW JUNIPERUS	5 GAL.				NATIVE
	Rt	19	RHUS TYPHINA	STAGHORN SUMAC	2 GAL.				NATIVE
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.			SPACING	REMARKS
GRASSES									
	Pr	26,036	PANICUM VIRGATUM 'ROTSTRAHLBUSCH'	ROTSTRAHLBUSCH RED SWITCH GRASS	1 GAL.			50 mm	NATIVE, DROUGHT & SALT TOLERANT
	Sn	152.7 m²	SORGHASTRUM NUTANS	INDIAN GRASS	2 GAL.				NATIVE, SALT AND DROUGHT TOLERANT POLLINATOR

Landscape Architect



20 Champlain Blvd, Suite 102 - Toronto ON - M3H 2Z1
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1047 RICHMOND RD

OTTAWA, ON K2B 6R1

Project Number
22-178

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SUITE 700
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Revisions

15	RE-ISSUED FOR SPA3	2025-06-25	PR
14	ISSUED FOR COORDINATION	2025-06-05	LG
13	ISSUED FOR SPA	2025-04-11	AK
12	ISSUED FOR COORDINATION	2025-01-20	AK
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10	ISSUED FOR COORDINATION	2024-12-04	AK
9	ISSUED FOR SPA	2024-10-11	AK
8	ISSUED FOR SPA	2024-09-03	AK
7	ISSUED FOR COORDINATION	2024-08-30	AK
6	ISSUED FOR COORDINATION	2024-08-27	AK
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4	ISSUED FOR UDRP	2024-07-30	AK
3	ISSUED FOR COORDINATION	2024-07-15	AK
2	ISSUED FOR COORDINATION	2024-07-12	AK
1	ISSUED FOR COORDINATION	2024-07-09	AK



Signature

Date

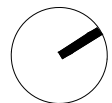
Keymap



Scale

AS SHOWN

North



Phase

SPA3

Date

2025-06-25

Drawing Name

PLANTING SCHEDULE AND NOTES

Sheet Number

NOT FOR CONSTRUCTION

LP.100

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DWG #19186

D07-12-24-0104

1047 RICHMOND RD

OTTAWA, ON K2B 6R1

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22-178

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Signature

Date

Keymap



Scale

AS SHOWN

North



Phase

SPA3

Date

2025-06-25

Drawing Name

PLANTING PLAN

Sheet Number

NOT FOR CONSTRUCTION

LP.101

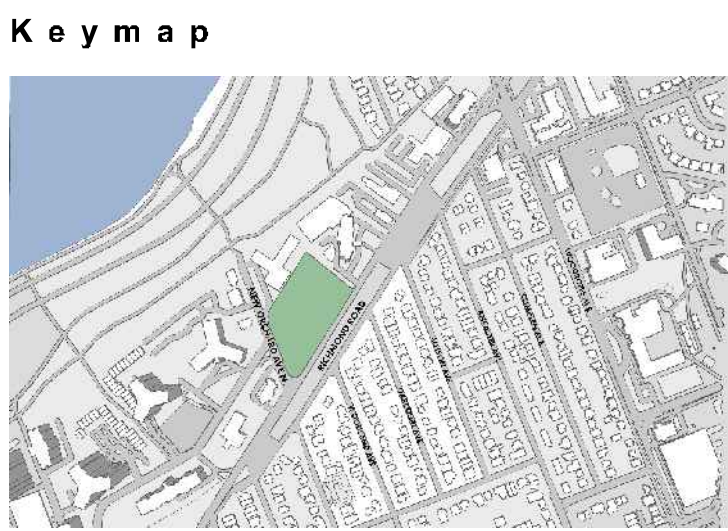
Tree	Species		Category S, M, L	Number	Canopy Area (m2)	Canopy Area Sub-total (m2)
PROPOSED TREE COVER ON SUBJECT SITE						
AX	ACER X FREEMANII	FREEMAN MAPLE	L	5	64	320
AA	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	S	13	20	260
AM	AMELANCHIER CANADENSIS	CANADIAN SERVICEBERRY	M	15	24	360
CB	CARPINUS BETULUS 'FASTIGIATA'	UPRIGHT EUROPEAN HORNBEAM	S	6	20	120
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	L	3	64	192
GI	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE'	IMPERIAL HONEY LOCUST	M	6	38	228
GK	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	L	2	64	128
JT	JUNIPERUS VIRGINIANA 'TAYLOR'	TAYLOR EASTERN REDCEDAR	S	23	15	345
OV	OSTRYA VIRGINIANA	AMERICAN HOP HORNBEAM	M	3	38	114
PB	PICEA PUNGENS	BABY BLUE EYES SPRUCE	M	4	38	152
PS	PINUS STROBUS	WHITE PINE	L	1	28	28
QM	QUERCUS MACROCARPA	BURR OAK	L	6	64	384
QN	QUERCUS ROBUR X BICOLOR 'NADLER'	KINDRED SPIRIT OAK	S	6	20	120
					Total Canopy	2751
RIGHT OF WAY						
AX	ACER X FREEMANII	FREEMAN MAPLE	L	3	64	192
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	L	2	64	128
QR	QUERCUS RUBRA	NORTHERN RED OAK	L	3	64	192
					Total Canopy in R.O.W.	512
Total Site Area (Subject Site Only; Excluding Park)						9067
Proposed Site Canopy Cover by 2057 (Total Canopy / Total Site Area)						30.34%



Revisions			
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1	ISSUED FOR COORDINATION	2024-07-09	AK



Signature _____
Date _____



Scale
AS SHOWN

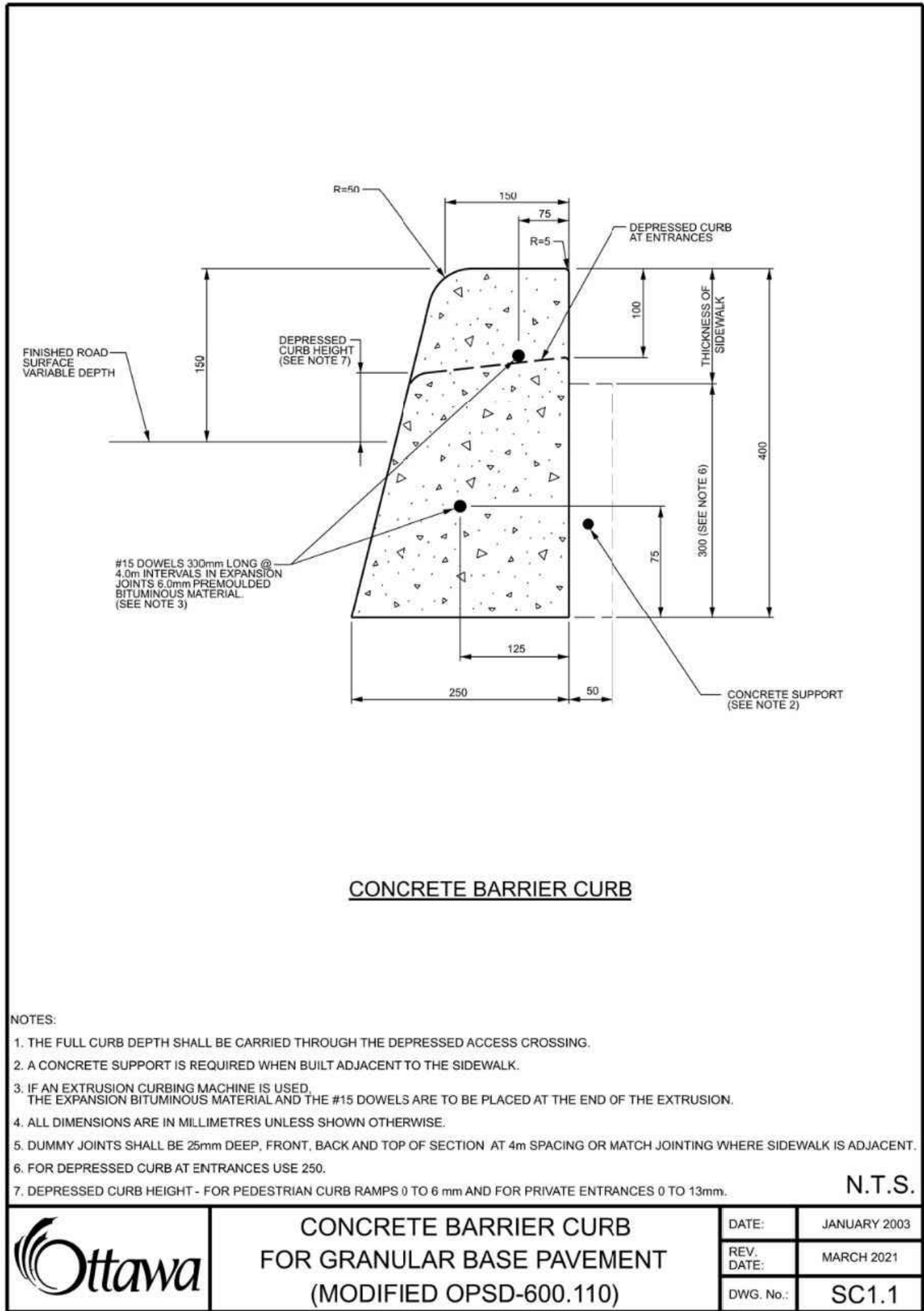
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Phase
SPA3

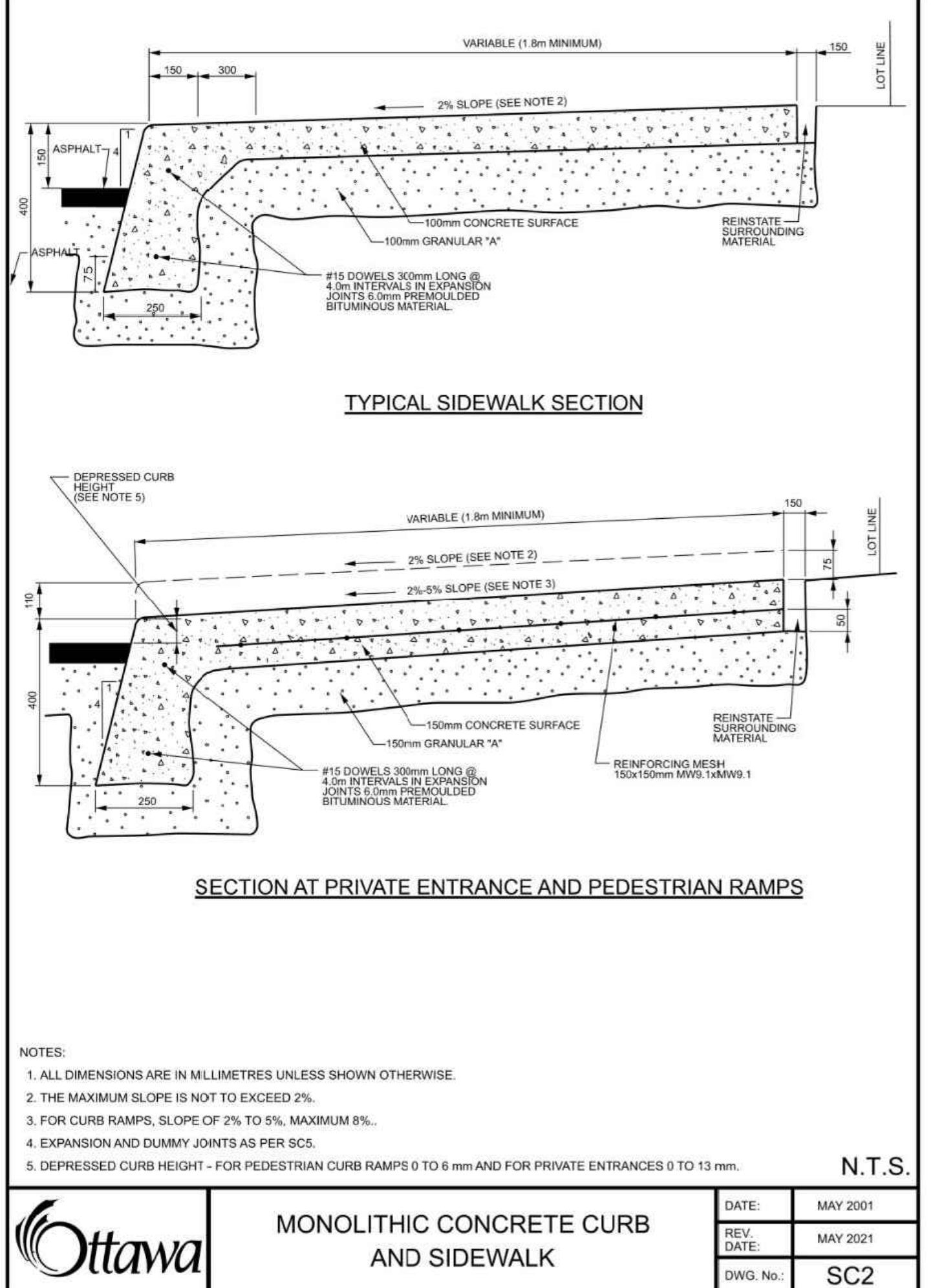
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Drawing Name
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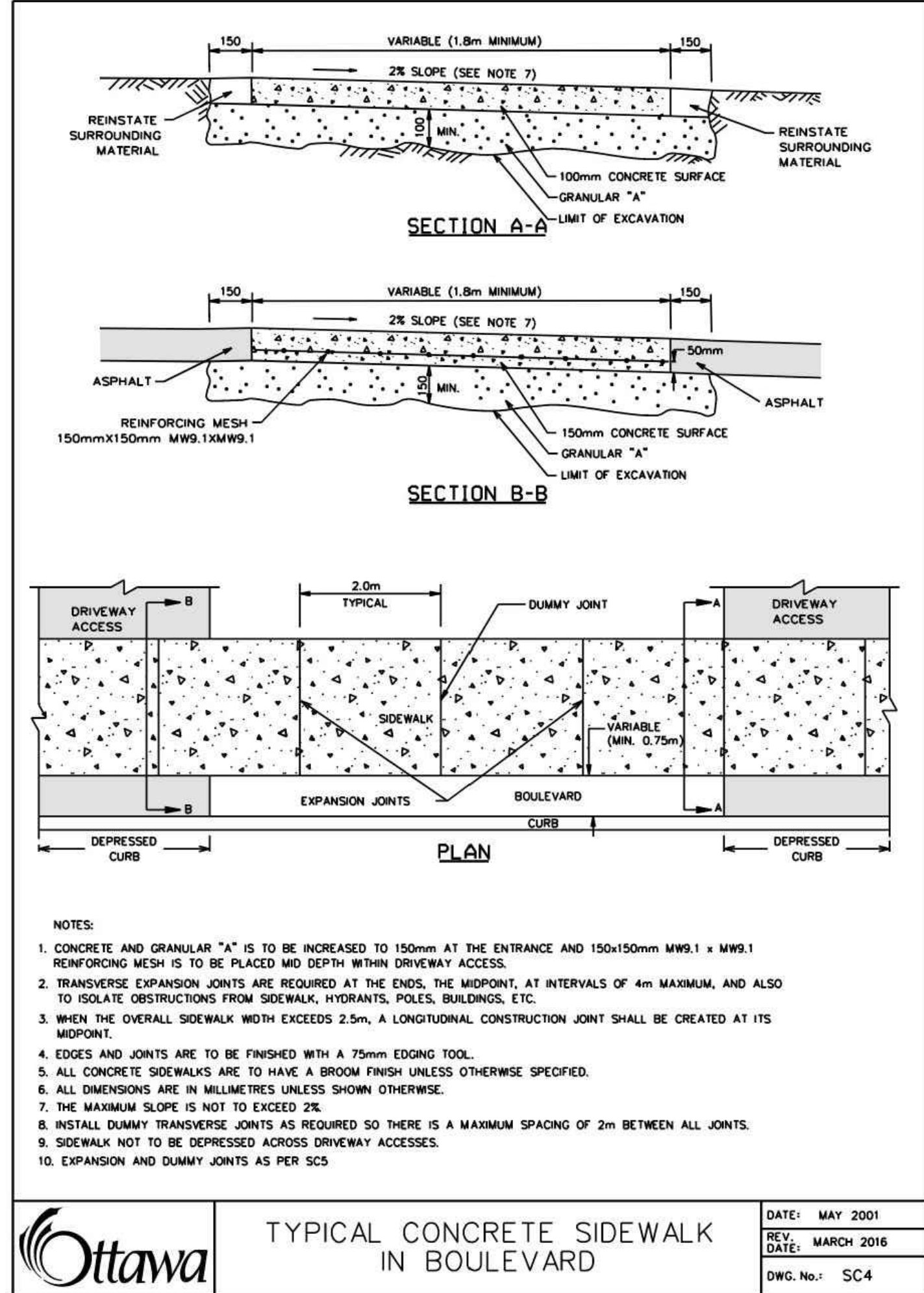
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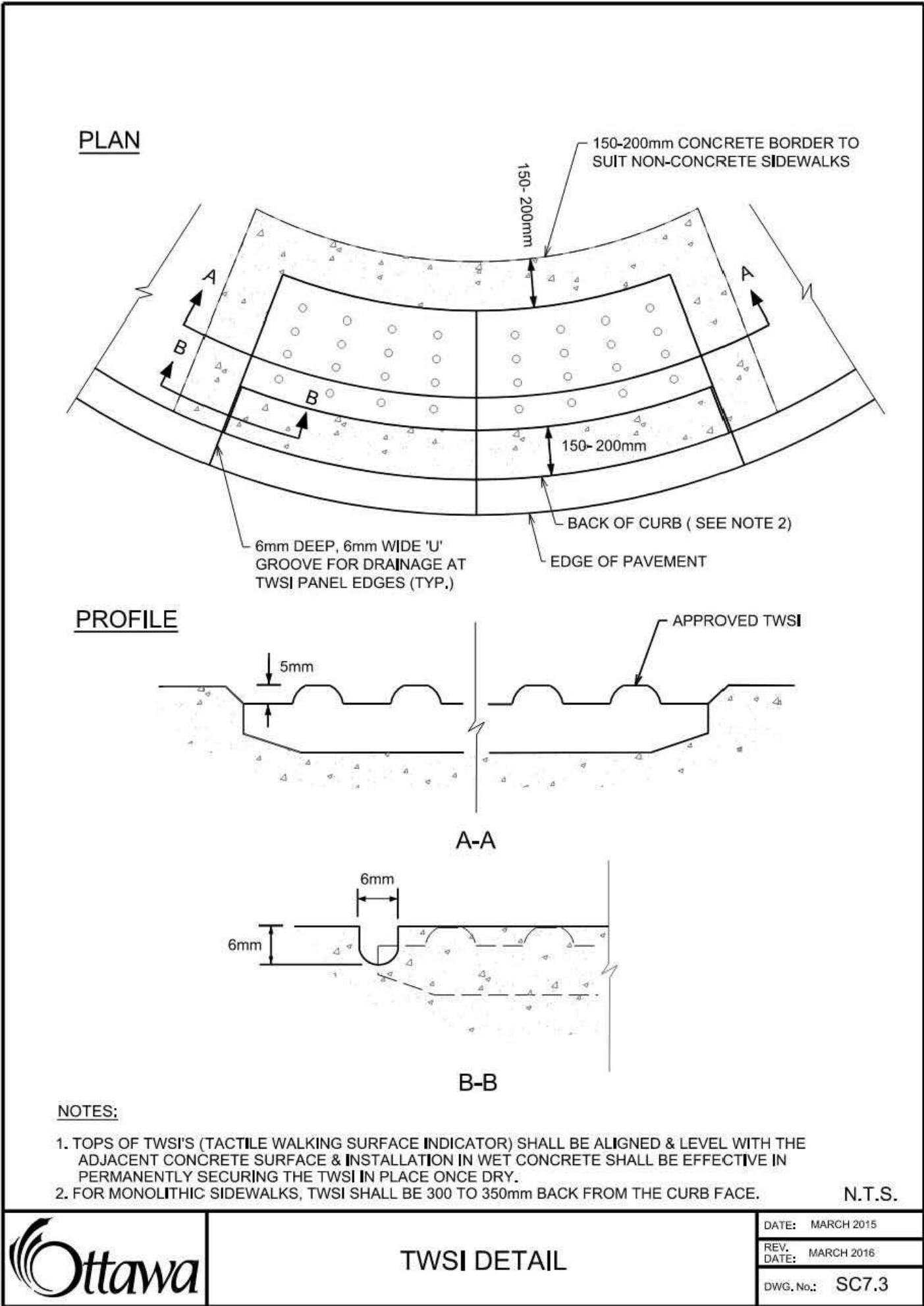
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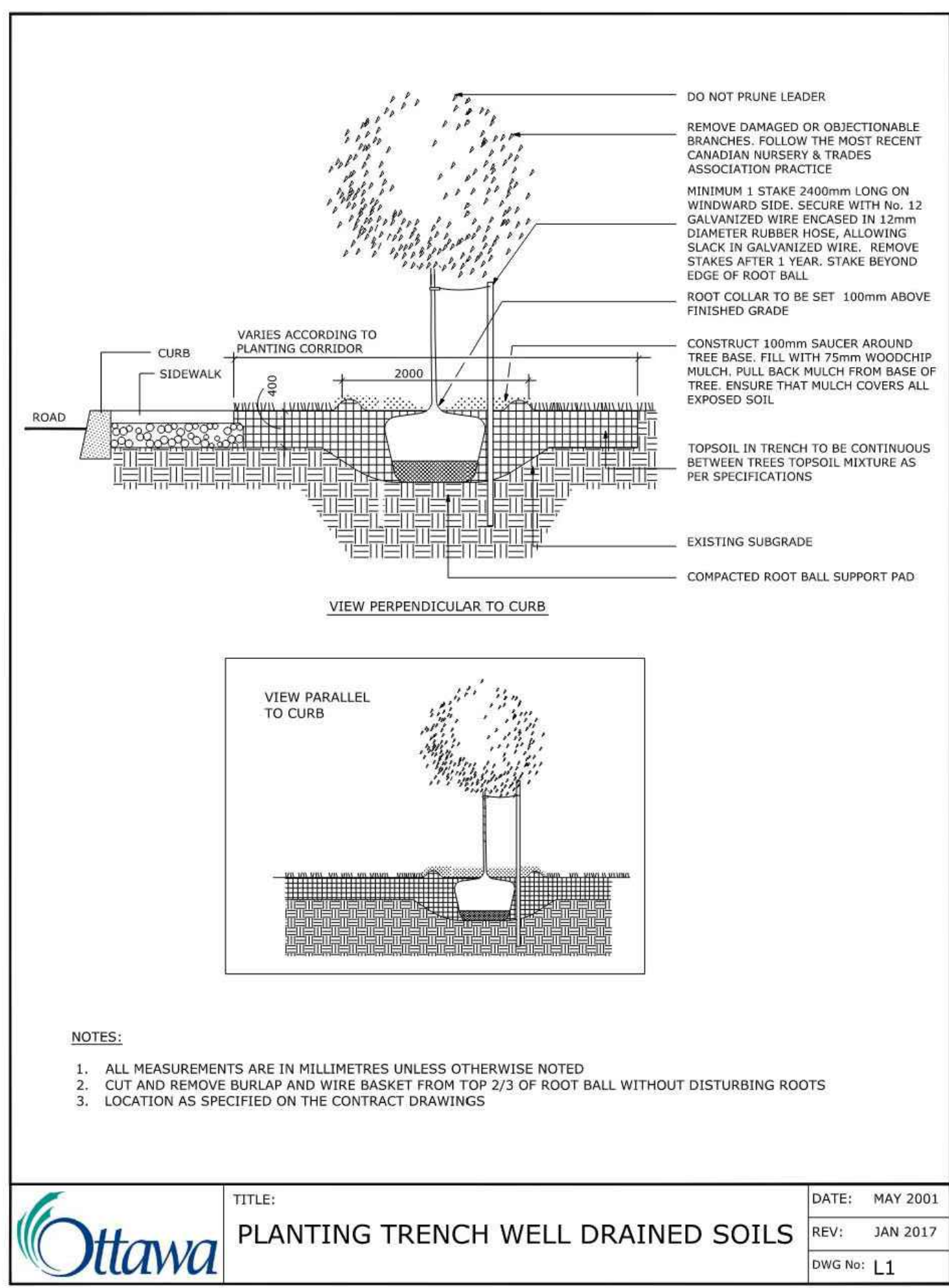
2 MONOLITHIC CONCRETE CURB AND SIDEWALK. SC2
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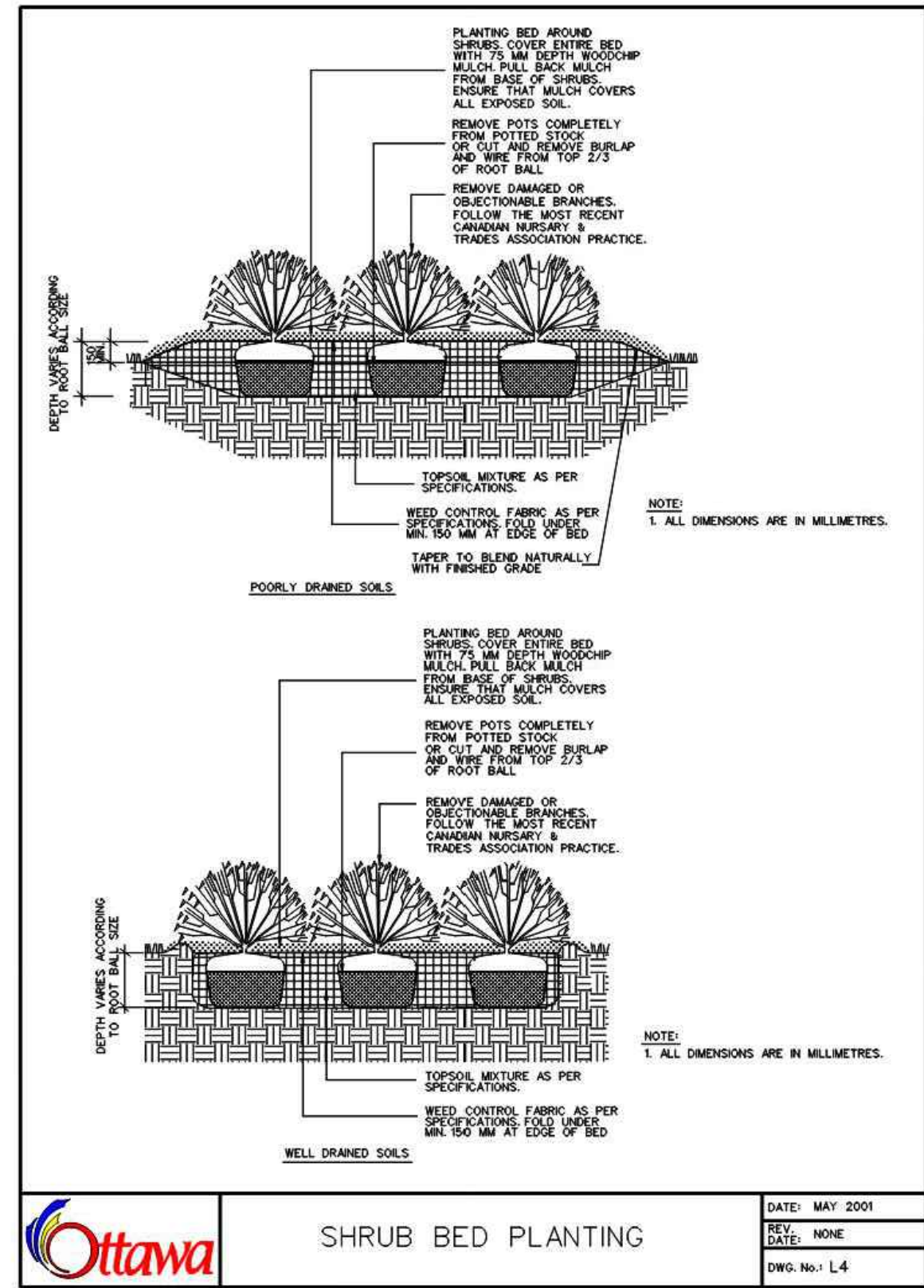
3 TYPICAL CONCRETE SIDEWALK IN BOULEVARD. SC4
N.T.S.



4 TWSI DETAIL. SC 7.3
N.T.S.



5 PLANTING TRENCH WELL DRAINED SOILS
N.T.S.



6 SHRUB BED PLANTING
N.T.S.

Revisions

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1	ISSUED FOR COORDINATION	2024-07-09	AK



Signature

Date

Key map



Scale

AS SHOWN

North



Phase

SPA3

Date

2025-06-25

Drawing Name

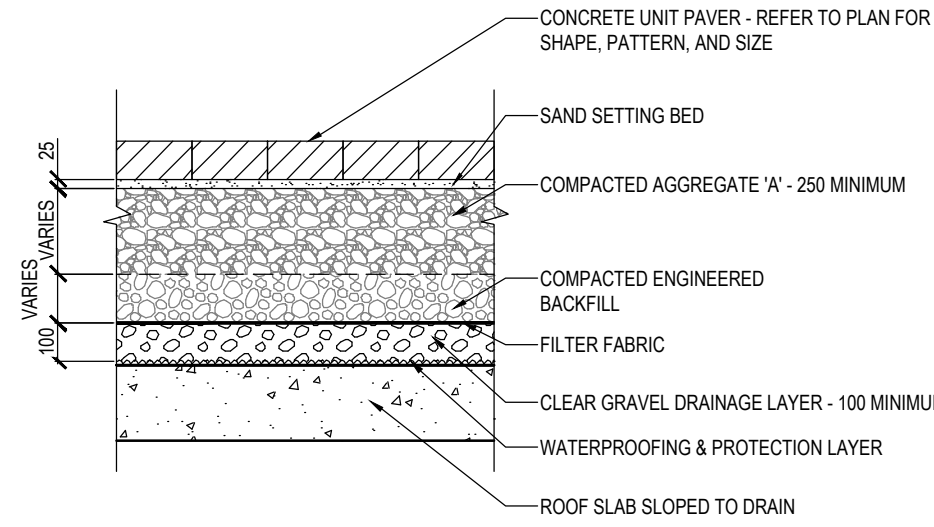
LANDSCAPE DETAILS

Sheet Number

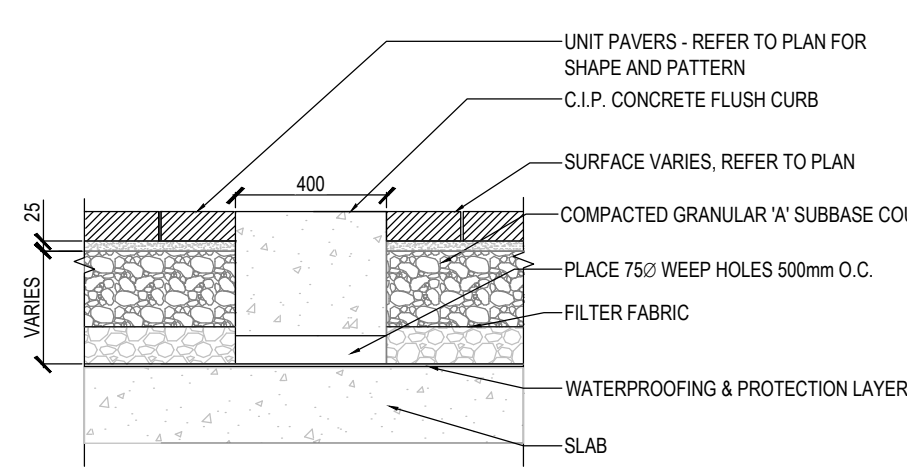
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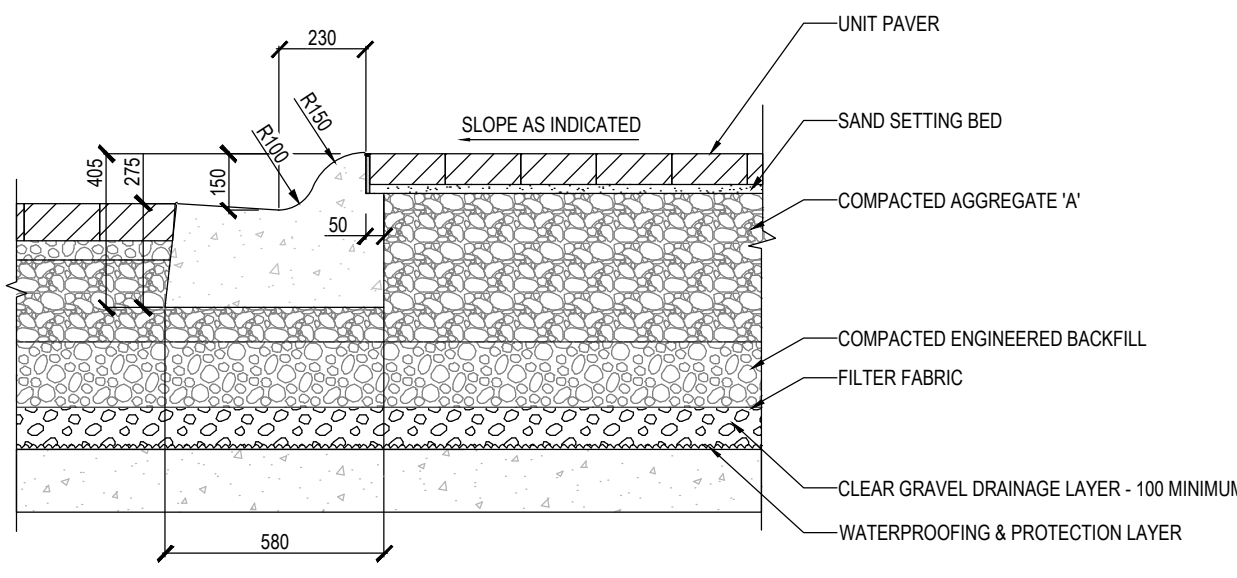
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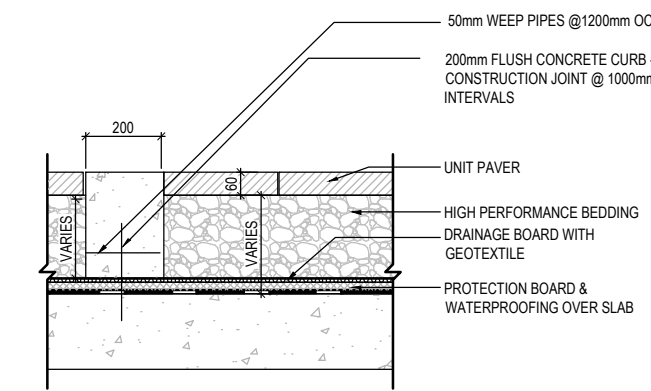
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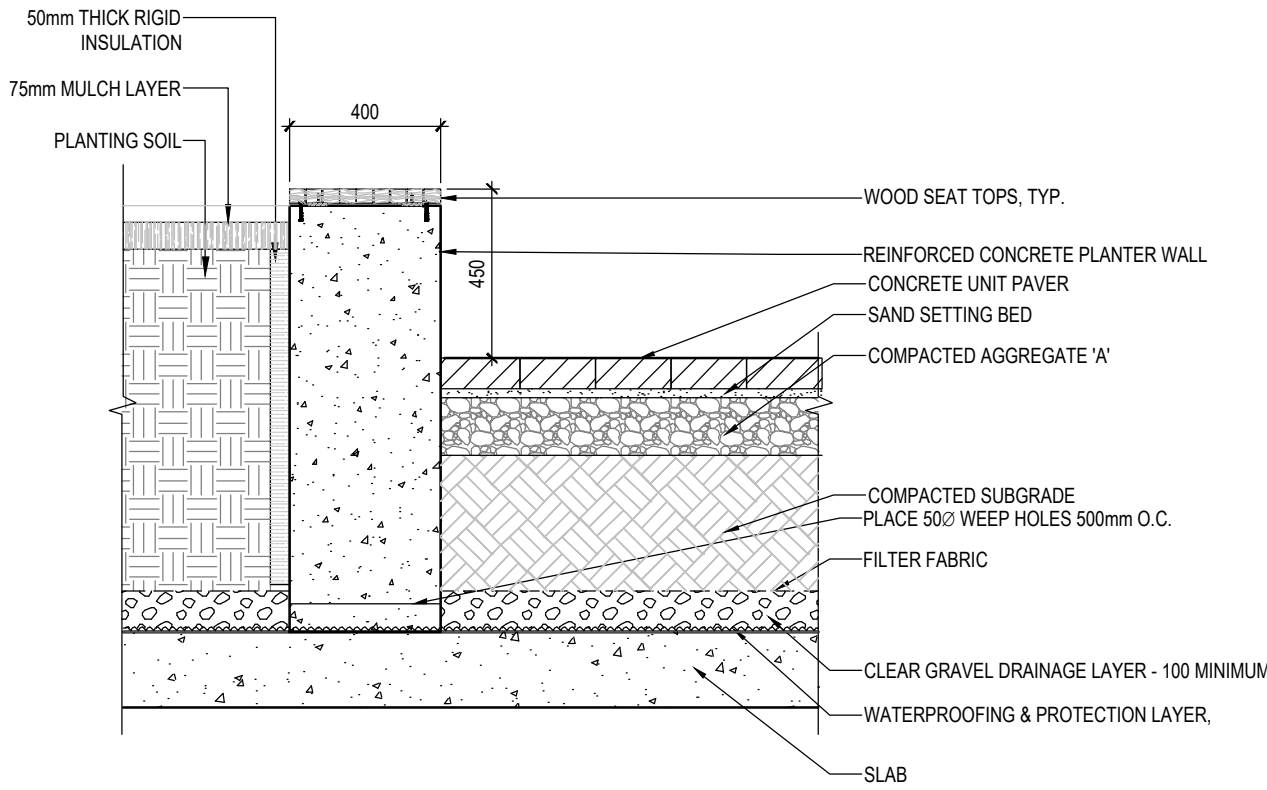
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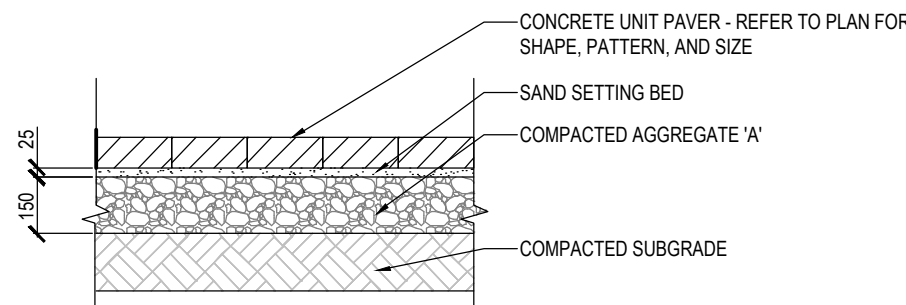
3 STANDARD ROLLED CURB AND GUTTER
1:20



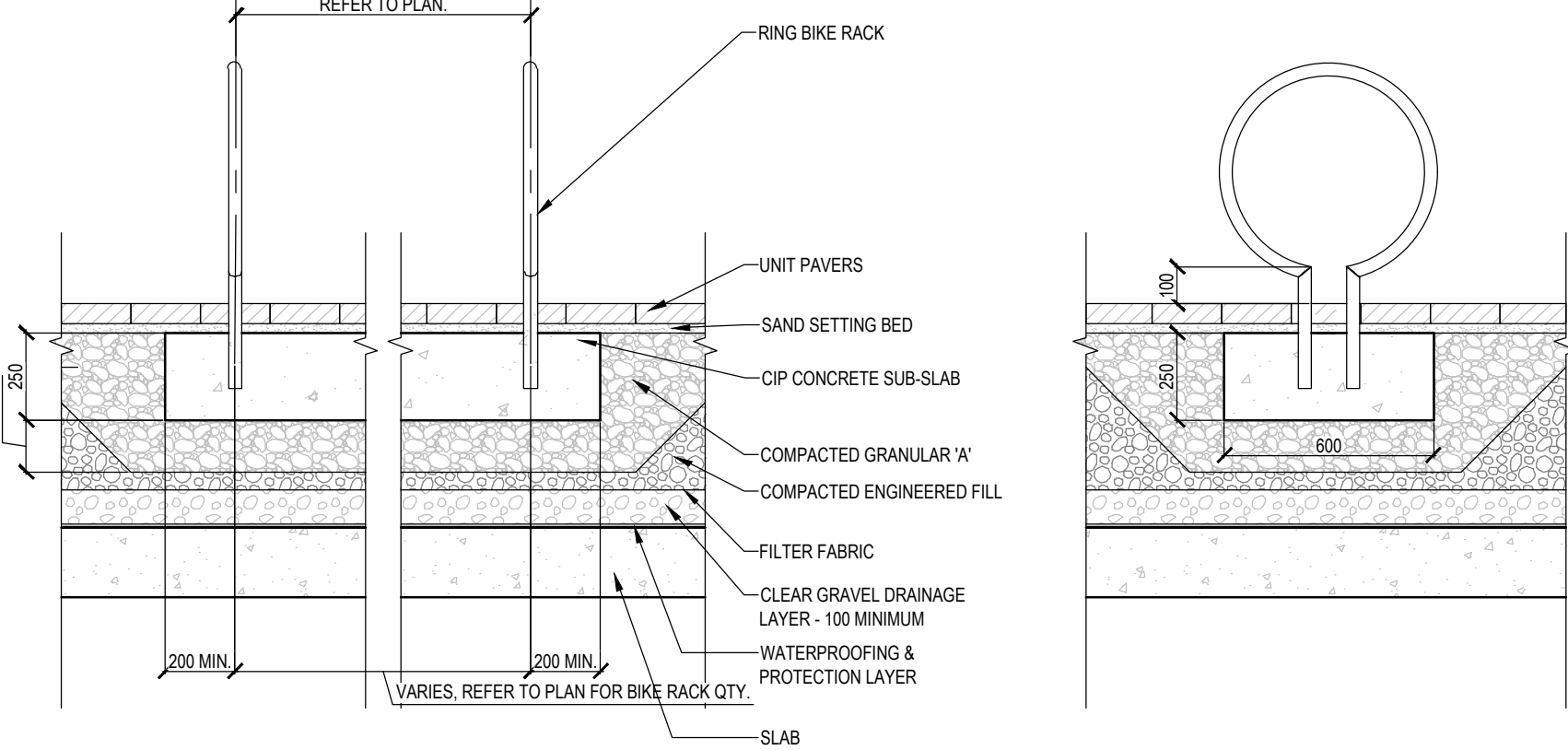
4 FLUSH CONCRETE CURB ON SLAB
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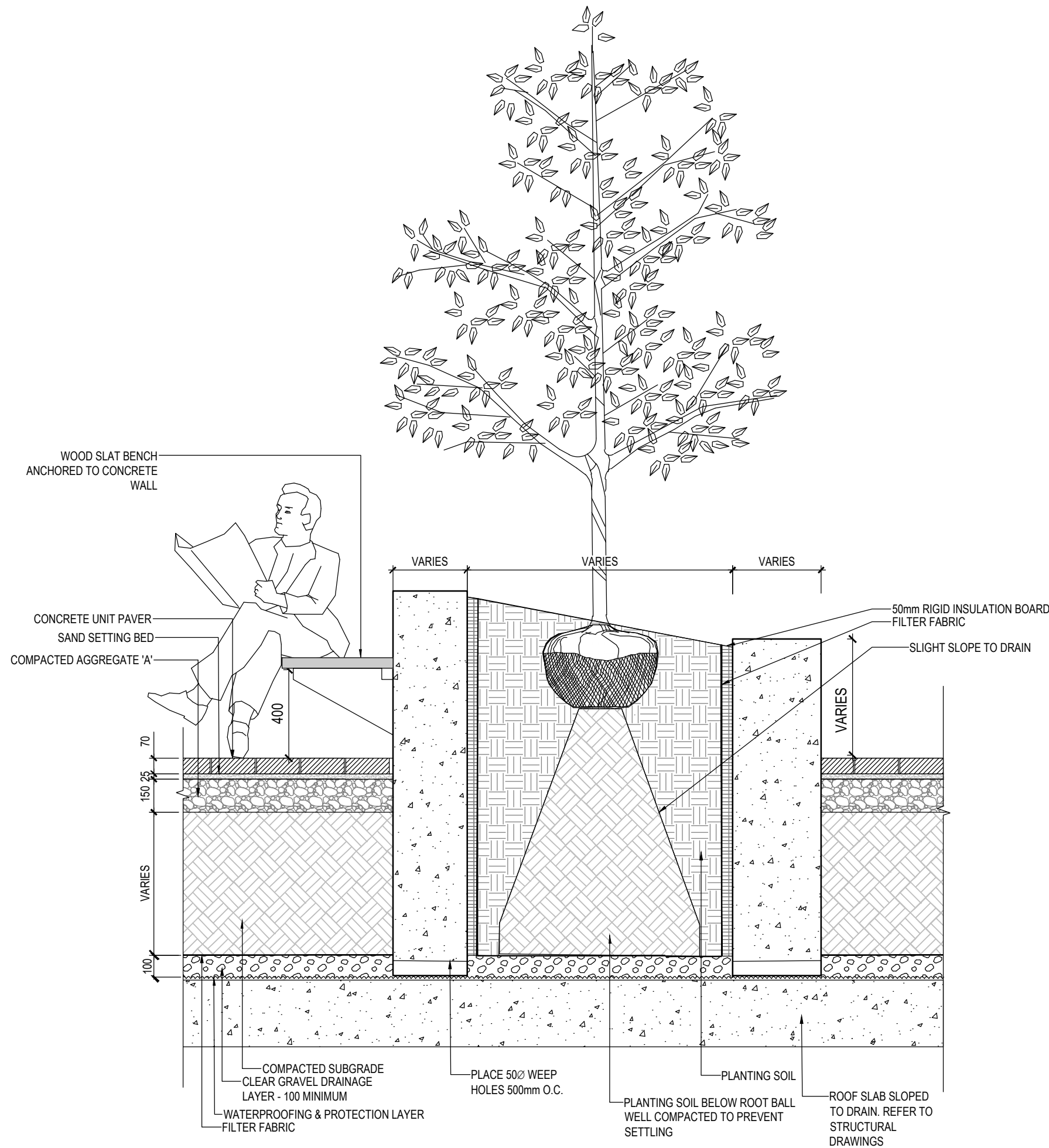
5 WOOD TOP BENCH ON CONCRETE SEAT WALL
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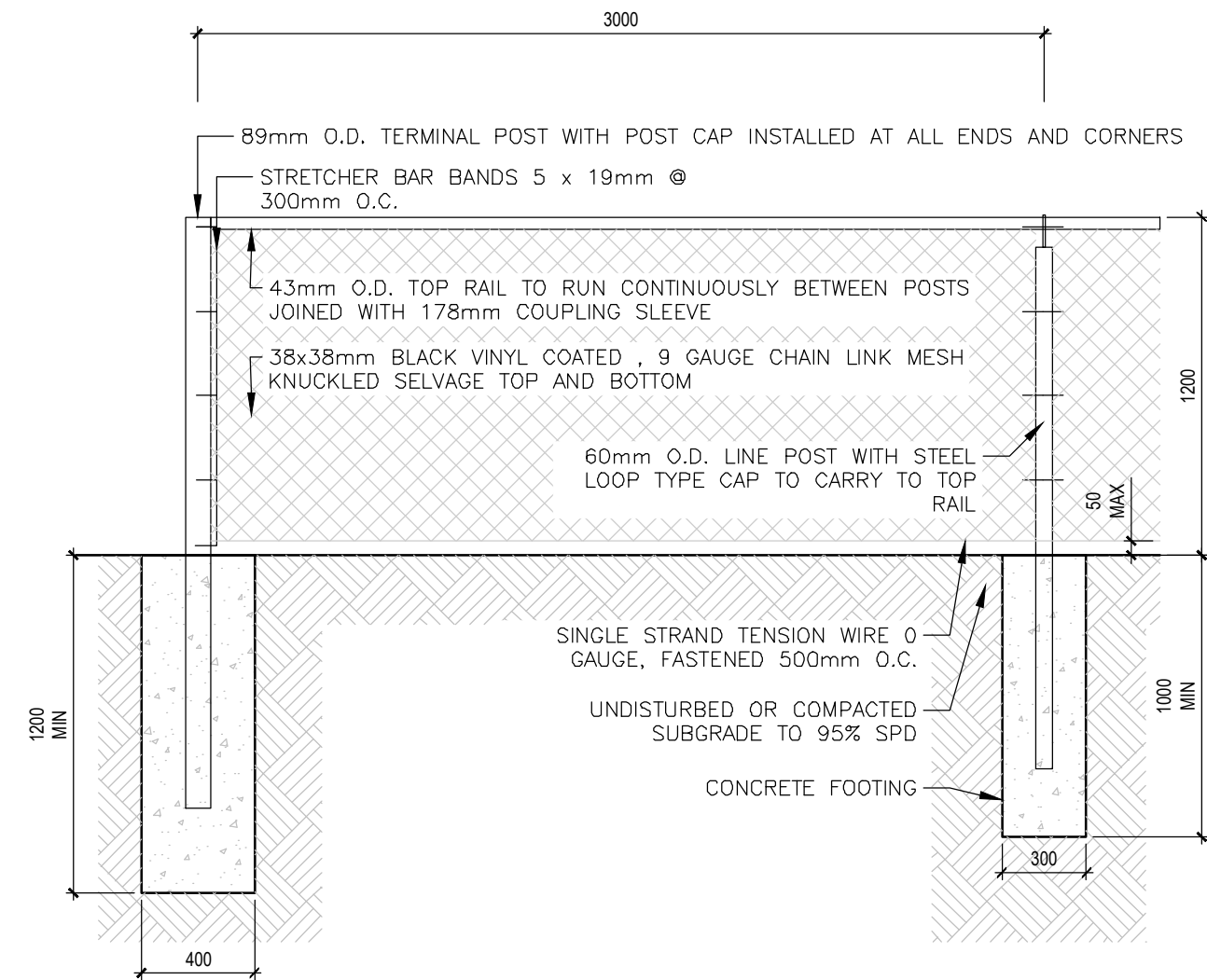
6 UNIT PAVERS ON GRADE
1:20



7 BIKE RACK
N.T.S



8 CONCRETE PLANTER ON SLAB
N.T.S



9 CHAIN LINK FENCE
1:25

1047 RICHMOND RD

OTTAWA, ON K2B 6R1

Project Number
22-178

Client
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Revisions

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Signature

Date

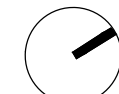
Keymap



Scale

AS SHOWN

North



Phase

SPA3

Date

2025-06-25

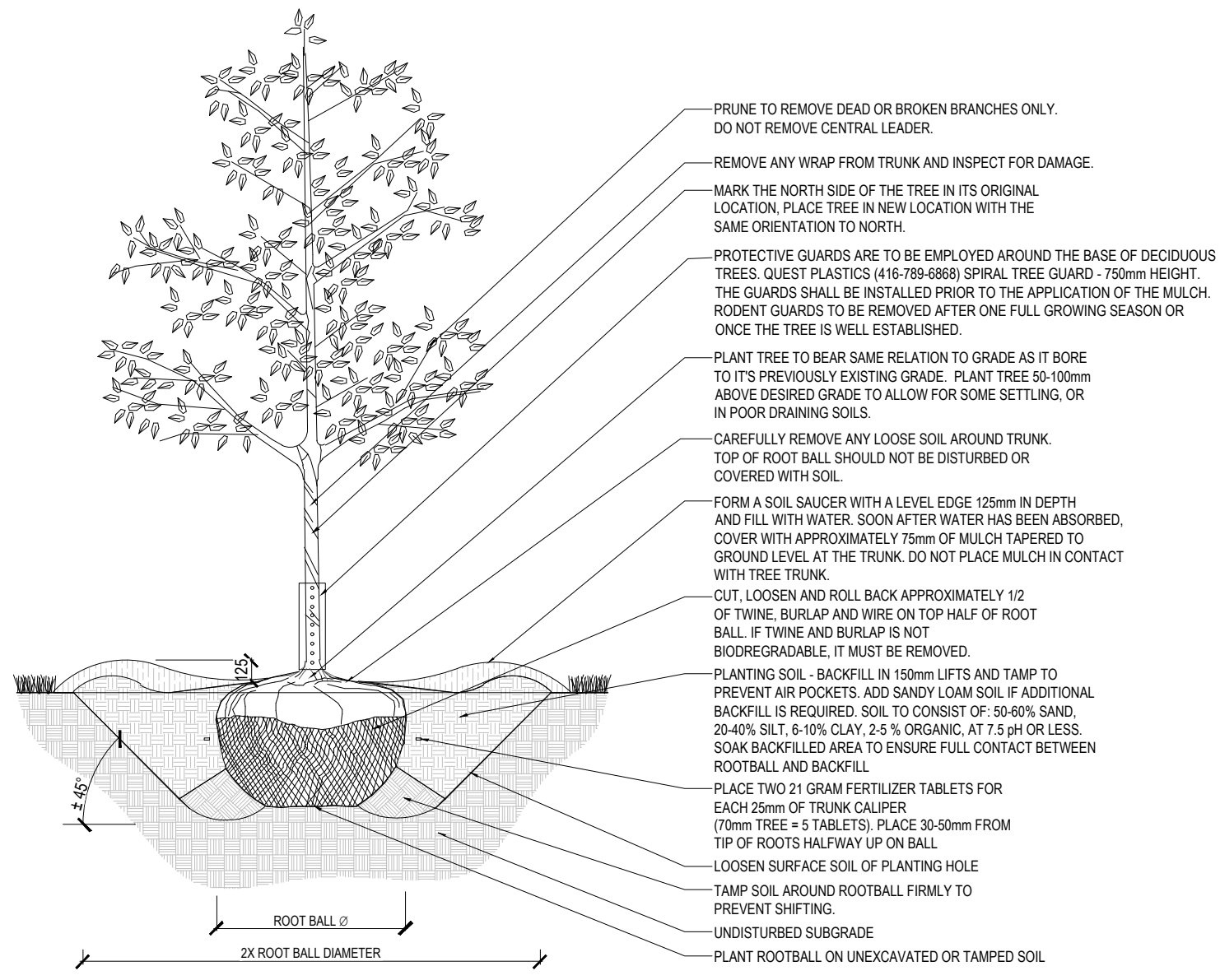
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LANDSCAPE DETAILS

Sheet Number

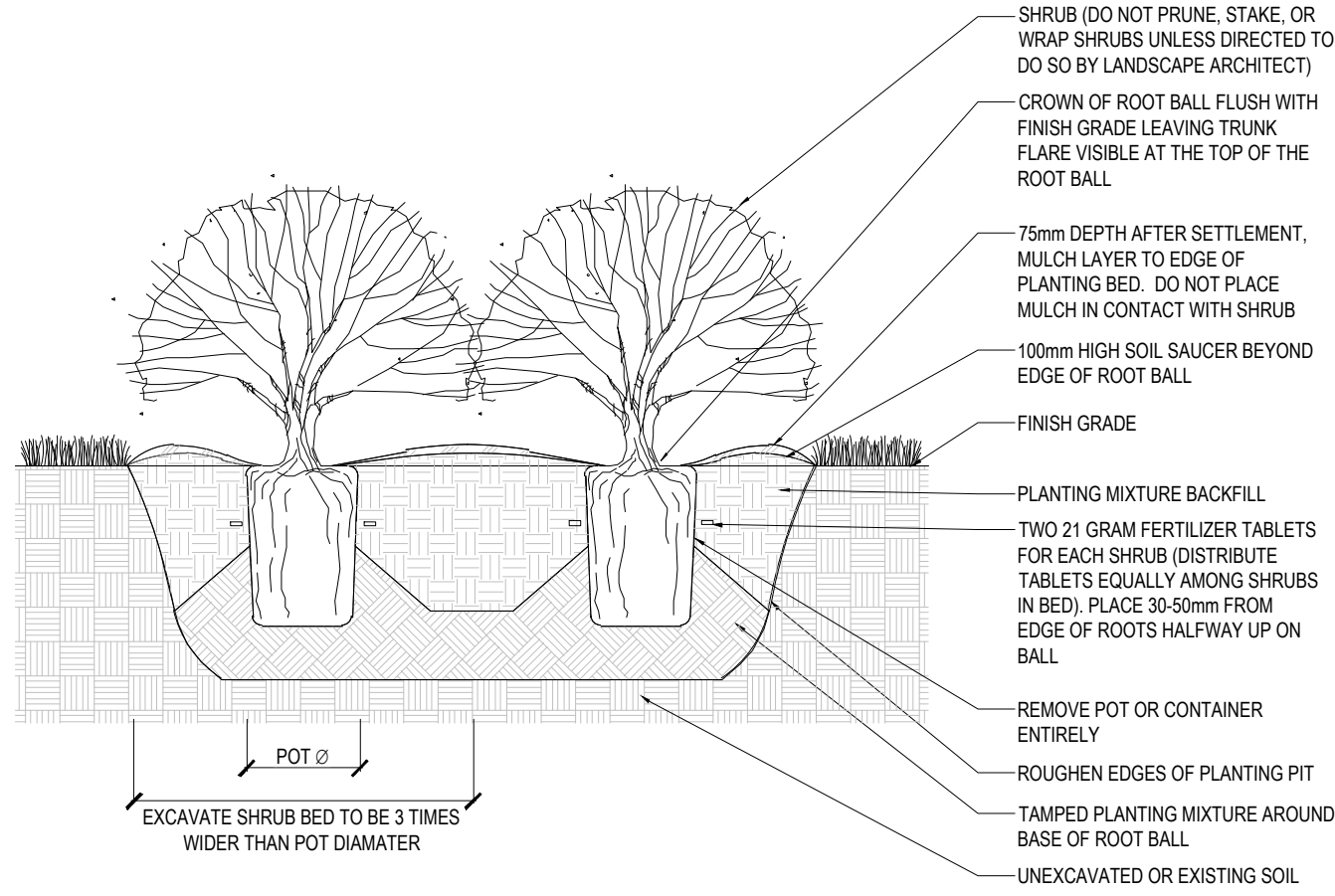
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LS.201



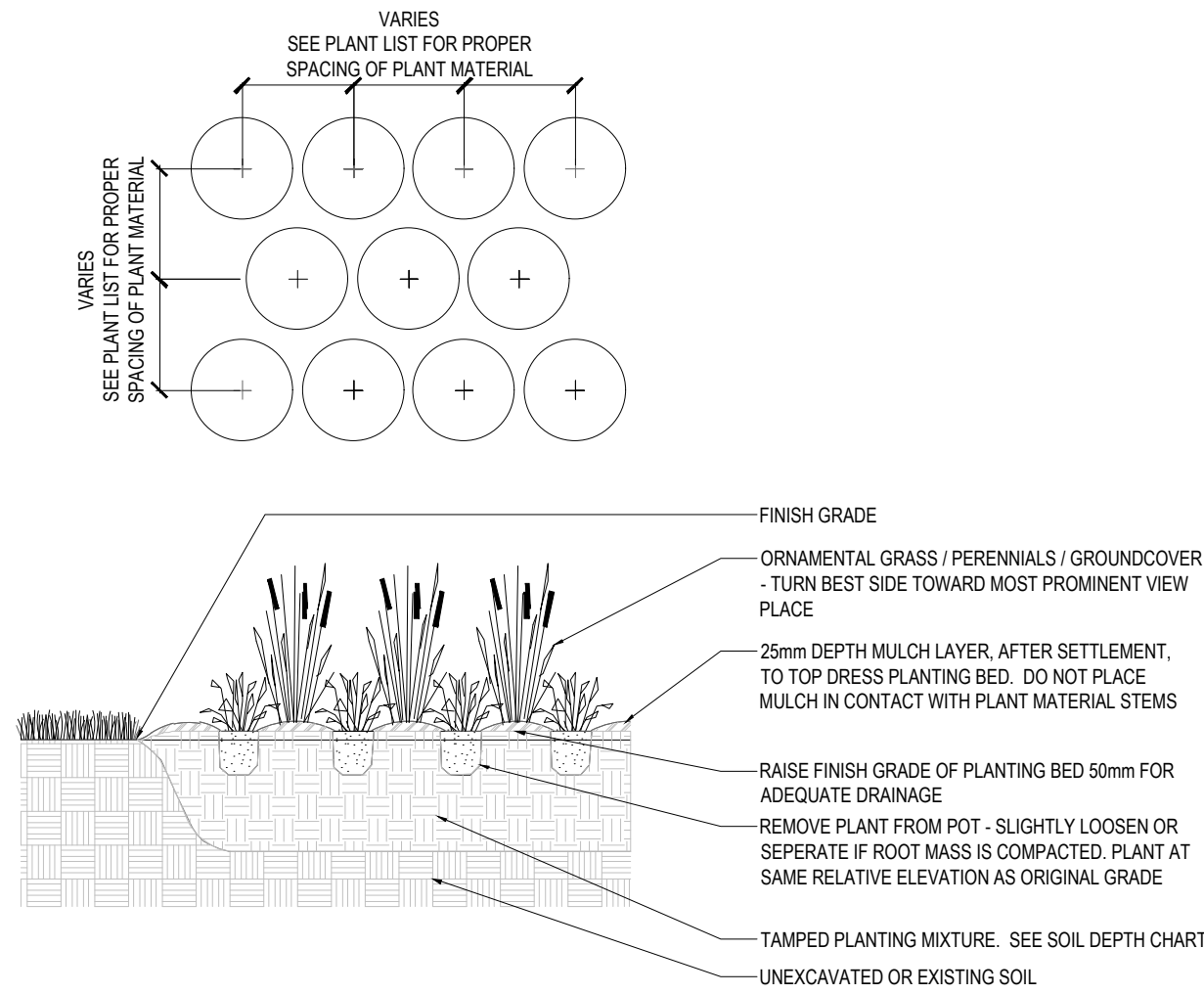
1 B&B DECIDUOUS TREE PLANTING DETAIL

N.T.S



2 POTTED SHRUB BED PLANTING DETAIL

N.T.S



3 GROUND COVER PLANTING

N.T.S

1047 RICHMOND RD

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Project Number

22-178

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Revisions

15	RE-ISSUED FOR SPA3	2025-06-25	PR
14	ISSUED FOR COORDINATION	2025-06-05	LG
13	ISSUED FOR SPA	2025-04-11	AK
12	ISSUED FOR COORDINATION	2025-01-20	AK
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9	ISSUED FOR SPA	2024-10-11	AK
8	ISSUED FOR SPA	2024-09-03	AK
7	ISSUED FOR COORDINATION	2024-08-30	AK
6	ISSUED FOR COORDINATION	2024-08-27	AK
5	ISSUED FOR COORDINATION	2024-08-21	AK
4	ISSUED FOR UDPR	2024-07-30	AK
3	ISSUED FOR COORDINATION	2024-07-15	AK
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Signature

Date

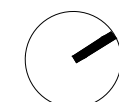
Keymap



Scale

AS SHOWN

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Phase

SPA3

Date

2025-06-25

Drawing Name

LANDSCAPE DETAILS

Sheet Number

NOT FOR CONSTRUCTION

LS.202

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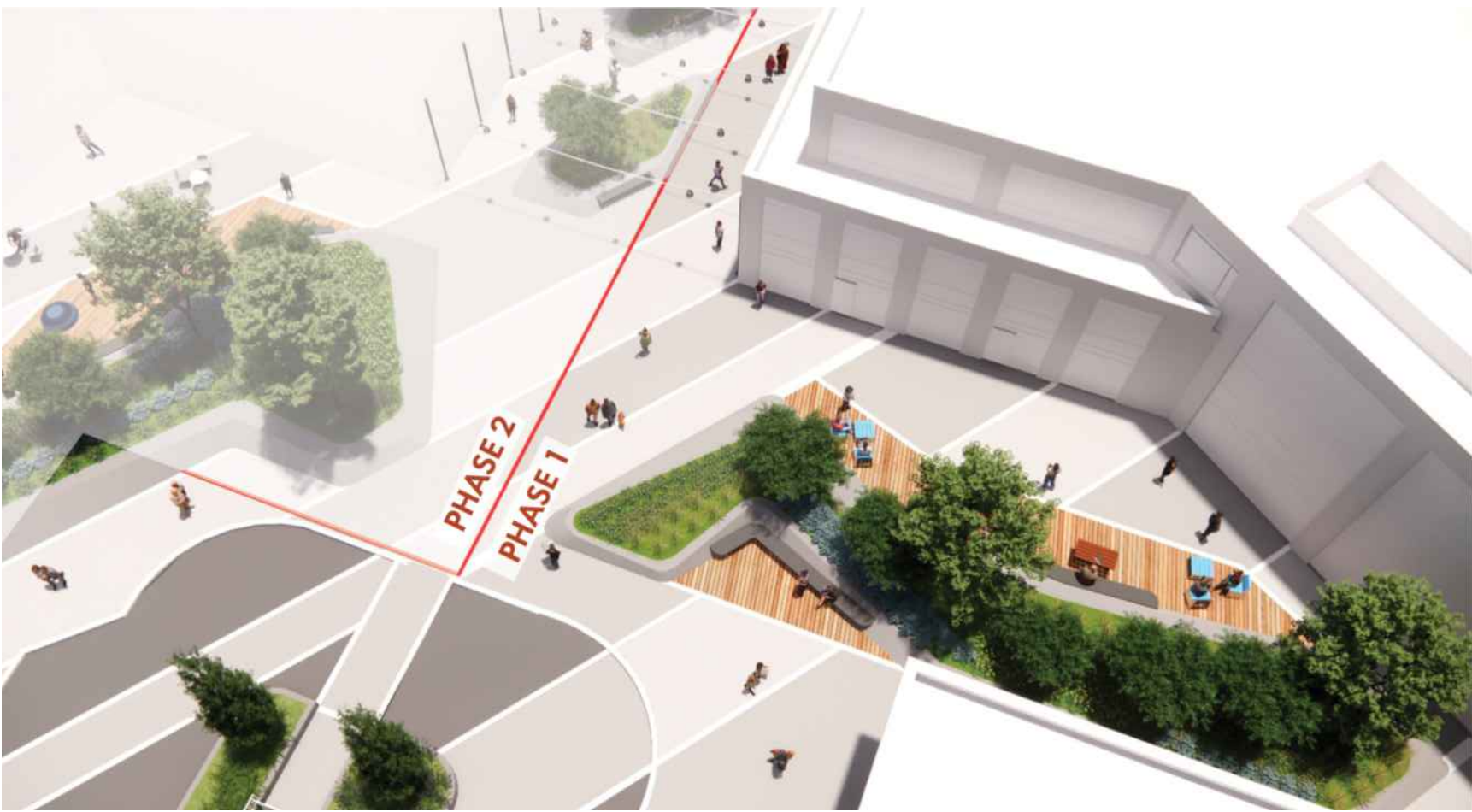
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2 AERIAL VIEW
N.T.S



3 VIEW TOWARDS WORKING SPACE - OUTDOOR AMENITY
N.T.S



4 VIEW TOWARDS WORKING SPACE -OUTDOOR AMENITY
N.T.S



5 BUILDING FRONTAGE AND PEDESTRIAN ACCESS FROM RICHMOND ROAD
N.T.S



6 WORKING SPACE-OUTDOOR AMENITY
N.T.S



7 SCULPTURAL PLANTER- BUILDING ENTRANCE
N.T.S



8 OUTDOOR AMENITY AREA
N.T.S

Revisions

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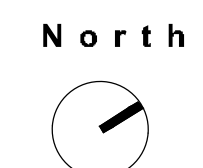
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Date

Key map



Scale
AS SHOWN



Phase
SPA3

Date
2025-06-25

Drawing Name

LANDSCAPE VIEWS

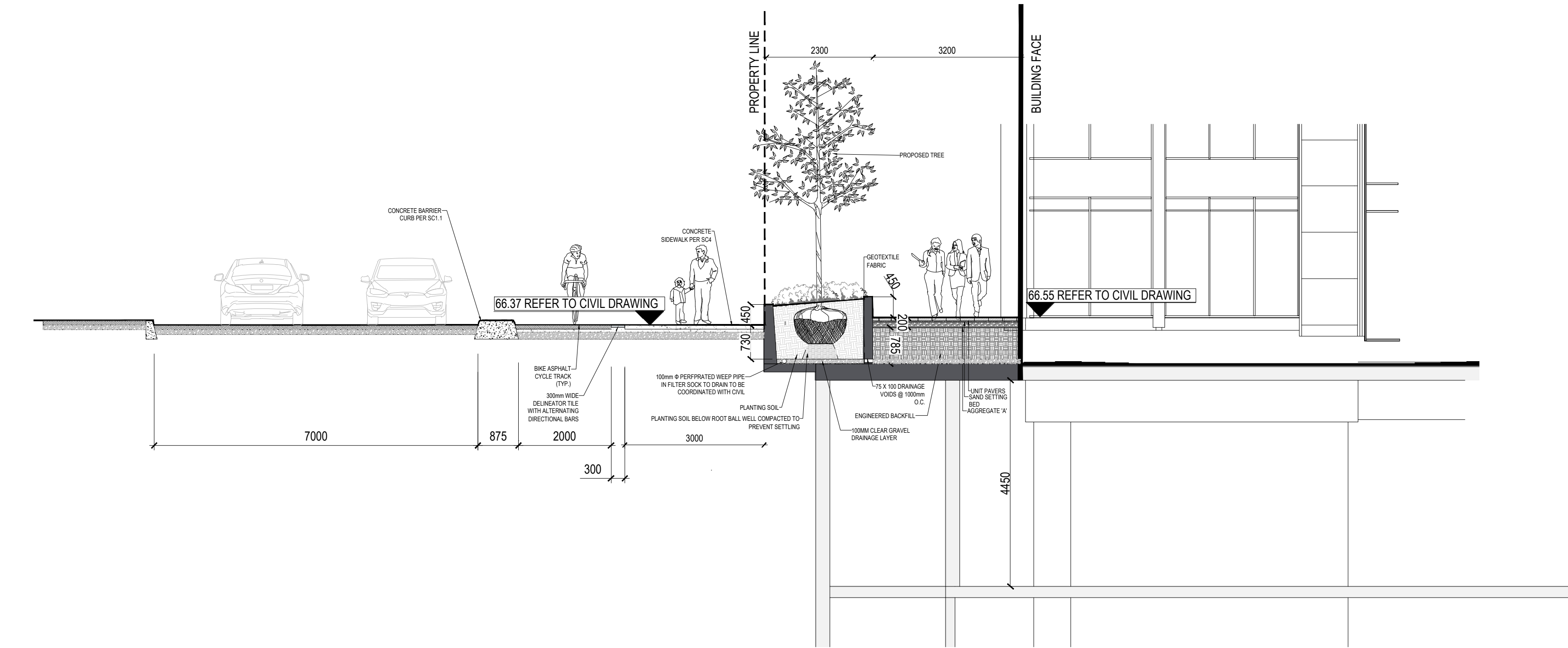
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Date _____

AS SHOWN

SPA3

Drawing Name

LANDSCAPE SECTIONS

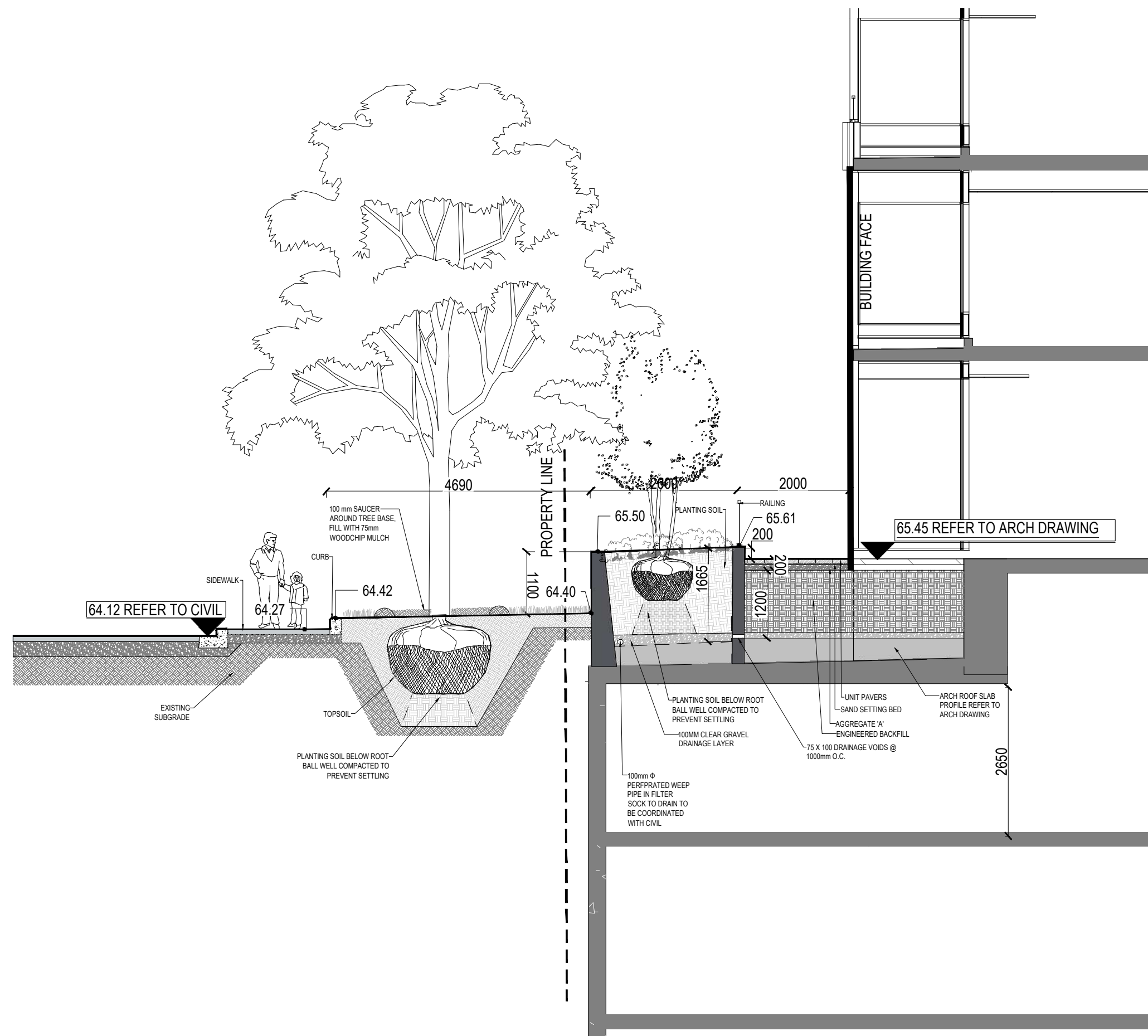
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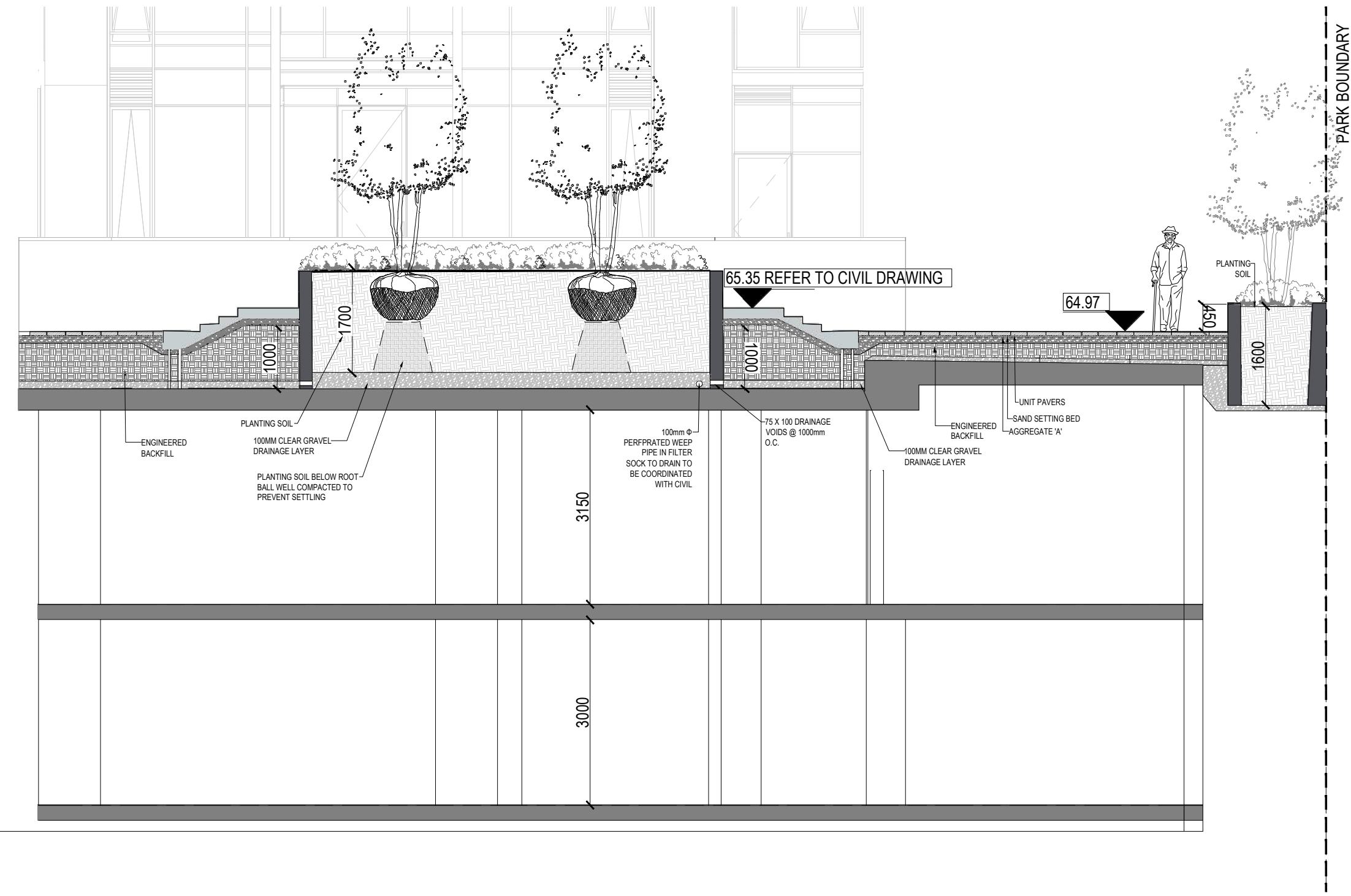
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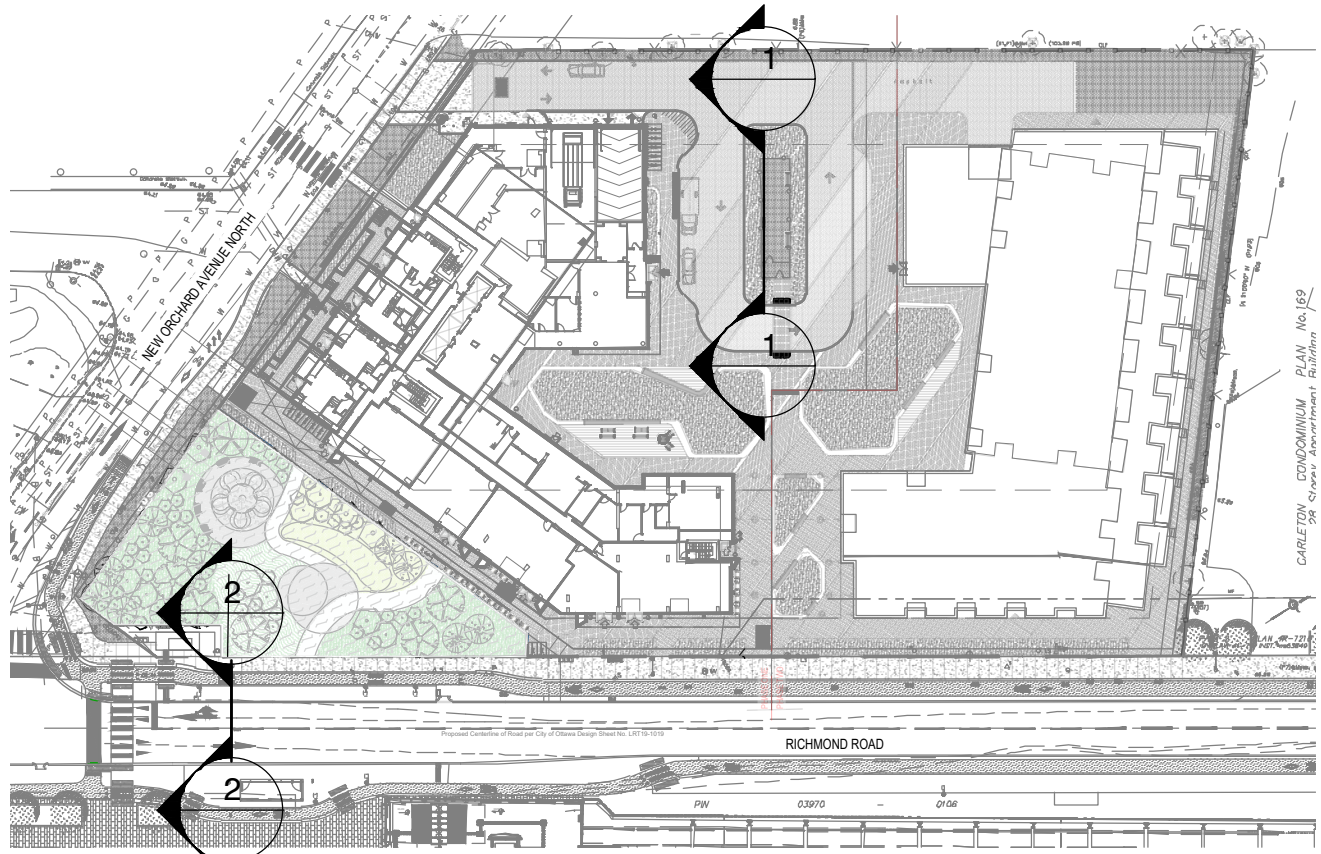


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Jun 25, 2025 12:37 PM I:\01-PROJECTS\2025\22-178 1047 RICHMOND RD, OTTAWA\1-CAD\1-CURRENT\1A SPA\1PLOT\1SHEET TEMPLATES\LS.301 LANDSCAPE SECTIONS.DWG



Landscape Architect

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1047 RICHMOND RD
OTTAWA, ON K2B 6R1

Project Number
22-178

Client
FENGATE
2275 UPPER MIDDLE RD. E.,
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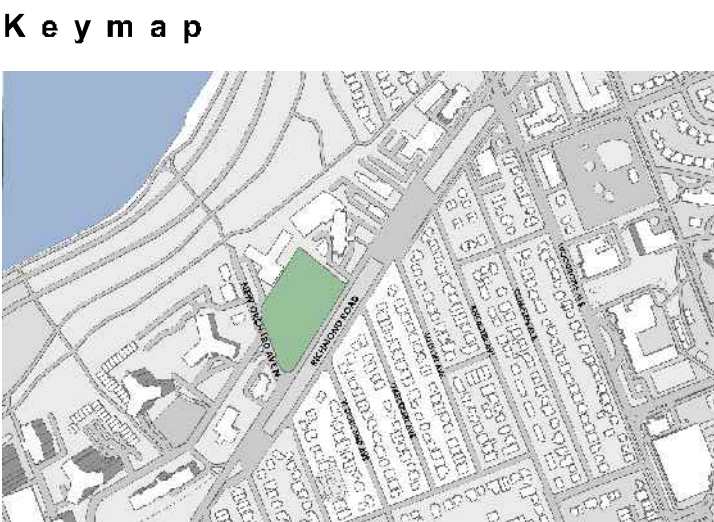
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Signature

Date



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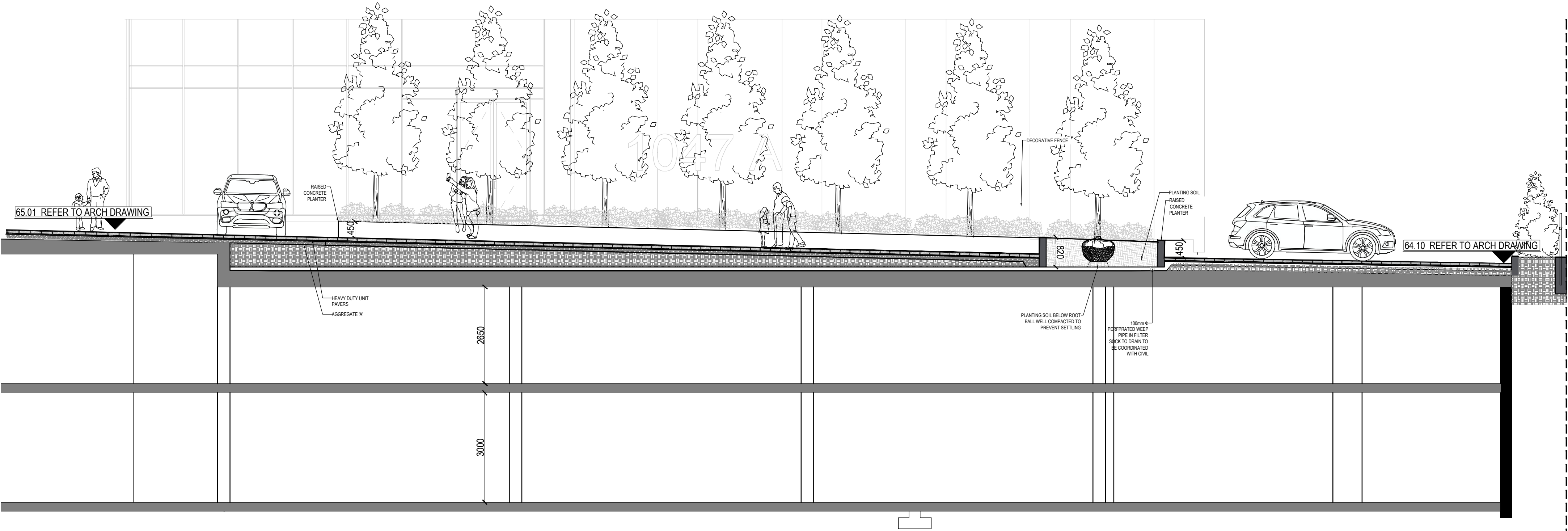
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Date
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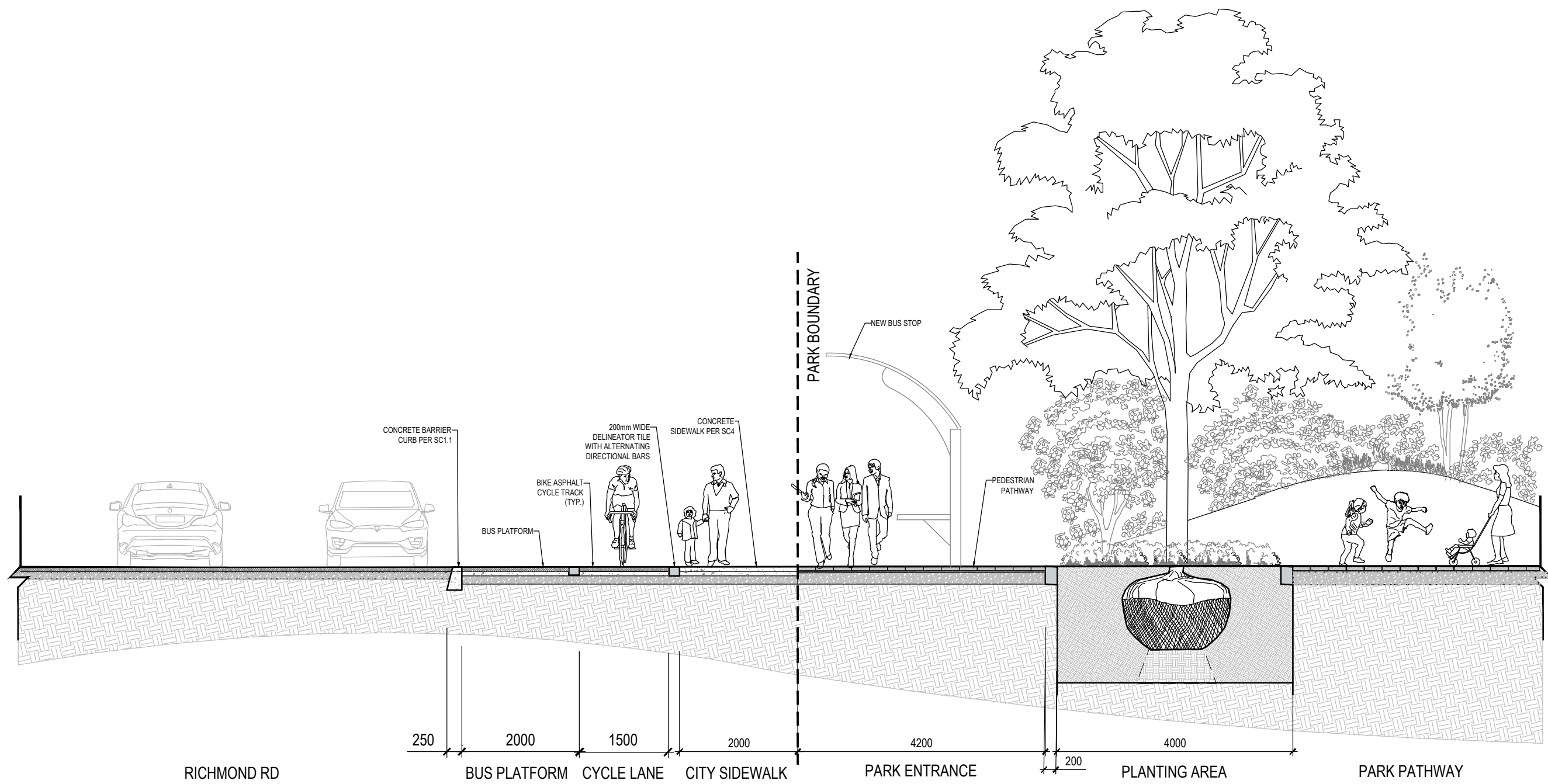
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LANDSCAPE SECTIONS

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01 SECTION 4- DRIVE WAY AND PET AMENITY: RELIEF AREA
1:75



02 PARK SECTION AND R.O.W
1:75