

#### **OWNER**

Mong Xuan Ha Chief Financial and Operations Officer mha@mygns.ca **Glenlyon Norfolk School** 781 Richmond Avenue Victoria, BC

#### **APPLICANT**

Ally Dewji Senior Development Manager randwickconsulting@gmail.com **Randwick Consulting** 457 Nelson Street Victoria, BC

#### **ARCHITECT**

Greg Damant Architect AIBC Cascadia Architects 101-804 Broughton Street Victoria, BC greg@cascadiaarchitects.ca

Peter Johannknecht Architect AIBC peter@cascadiaarchitects.ca

#### **LANDSCAPE**

**PWL Partnership Landscape Architects** 3-864 Queens Avenue Victoria, BC Derek Lee Landscape Architect dlee@pwlpartnership.com

#### CIVIL

**J.E. Anderson & Associates** 4212 Glanford Avenue Victoria, BC Ross Tuck P.Eng rtuck@jeanderson.com

#### LIST OF DRAWINGS

#### **ARCHITECTURAL**

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A - 051	Zoning Calculations
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A - 101	Proposed Field Level (B1)
A - 102	Proposed Courtyard Level (L1)
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#### LANDSCAPE

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L0.02	Tree Management Plan
L1.01	Landscape Plan
L1.02	Landscape Plan with Green Roo
L2.01	Plant List
L2.02	Planting Plan
L3.01	Rainwater Management Plan
L4.01	Wayfinding Plan
L4.02	<b>Wayfinding Precedents</b>

#### CIVIL

C - 1	Title Sheet
C - 2	Frontage West
C - 3	Frontage East
C - 4	<b>Onsite South</b>
C - 5	<b>Onsite North</b>







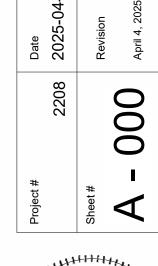
GNS PEMBERTON WOODS CAMPUS RENEWAL AERIAL PERSPECTIVE

COURTYARD AND PEDESTRIAN ENTRANCE





VIEW FROM RICHMOND AVENUE



EXISTING ZONE		R-1 B/ R1-G	
PROPOSED USE		INSTITUTIONAL	/ RESIDENTIAL
REGULATORY CO	ONDITIONS	ALLOWABLE	PROVIDED
SITE AREA		>460	34,133.5 m <sup>2</sup>
SCHOOL GROSS	FLOOR AREA	-	+/- 15,650 m <sup>2</sup>
HOUSING GROSS	FLOOR AREA	-	+/- 1,400 m <sup>2</sup>
TOTAL GROSS FL	OOR AREA	<300 m <sup>2</sup>	+/- 17,050** m <sup>2</sup>
BUILDING HEIGHT	(BUILDING A)	<11 m	+/- 14.85 m
BUILDING HEIGHT	「(BUILDING B)	<11 m	+/- 10.65 m
BUILDING HEIGHT	Γ (BUILDING C)	<11 m	+/- 9.47 m
BUILDING HEIGHT	「(MAX. STOREYS)	<11 m	3 STOREYS*
BASED ON GOVERNING SETBACKS & REGULATIONS IN R1-G	NORTH (SIDE)	(15% of lot width)	+/- 6 m
ZONE MINIMUM	EAST (REAR)	(30% of lot depth) 74 m	+/- 11 m
SETBACKS	SOUTH (SIDE)	(15% of lot width)	+/- 12.5 m
	WEST (FRONT)	7.5 m	+/- 10 m
EXTERIOR OPEN	SPACE	>50%	+/- 65%
FLOOR SPACE RA	ATIO (FSR)	0.5 - 1	0.5 - 1**
SITE COVERAGE		<30%	25%
PARKING		REQUIRED	PROVIDED
VEHICLES		19 Housing 162 School <b>181 total</b>	<b>+/-181</b> (101 srf + 80 u/g) Per Schedule C
BICYCLES			
LONG TERM		9 School 20 Housing <b>29 Total</b>	38 School 32 Housing <b>70 Total</b>
SHORT TERM		112 School 6 Housing 118 Total	112 School 6 Housing 118 Total
RESIDENTIAL US	E DETAILS		
TOTAL NUMBER (	DF UNITS		16 UNITS
UNIT TYPE			8 (+/- 57m <sup>2</sup> ) - 1 BD UNITS 8 (+/- 106m <sup>2</sup> ) - 2/3 BD UNI
GROUND-ORIENT	ATED UNITS		16 UNITS

<sup>\*</sup> SUBJECT TO DEFINITION OF FIRST STOREY
\*\* PHASE 3 GOVERNS FLOOR AREA & FSR, REFER TO PHASING DOCUMENT



3	Rezoning Rev1	April 4, 2025
2	Rezoning Application	August 1, 2024
1	Development Tracker Application	May 3, 2024
NO.	DESCRIPTION	DATE



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PW CAMPUS RENEWAL

GLENLYON NORFOLK SCHOOL

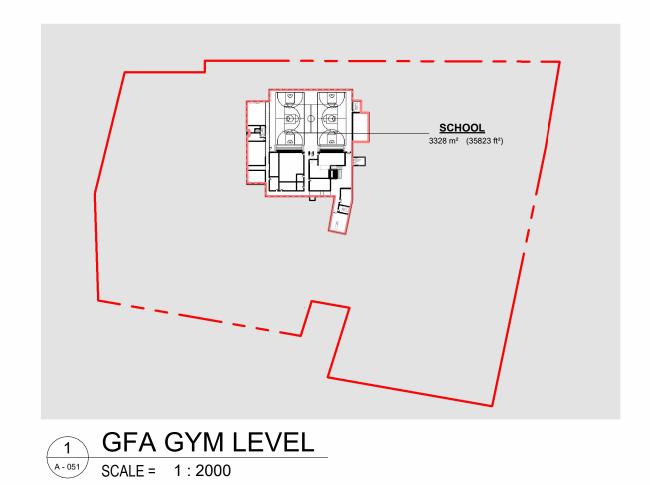
Proposed Site Plan

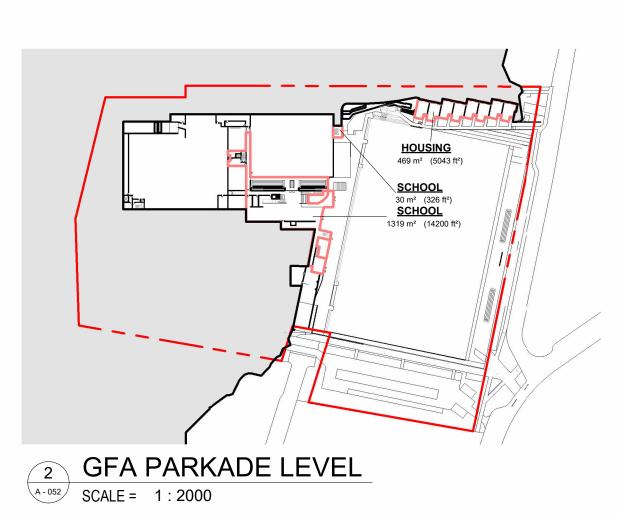
As indicated

April 4, 2025

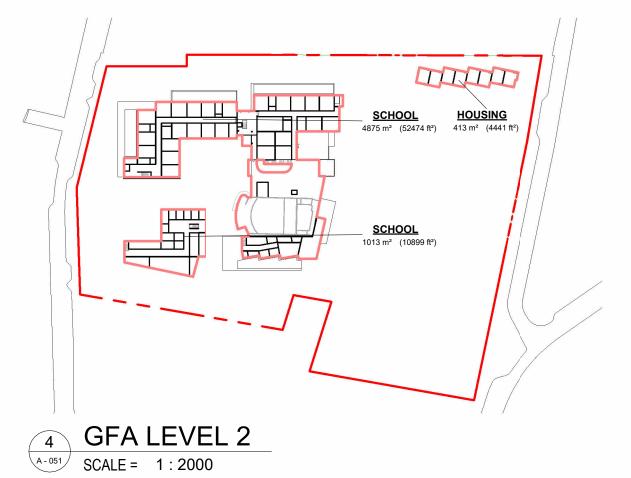
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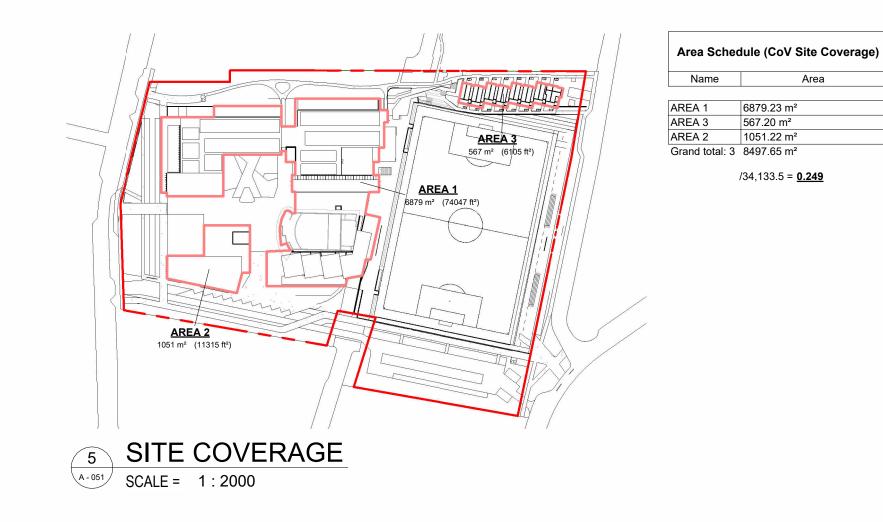


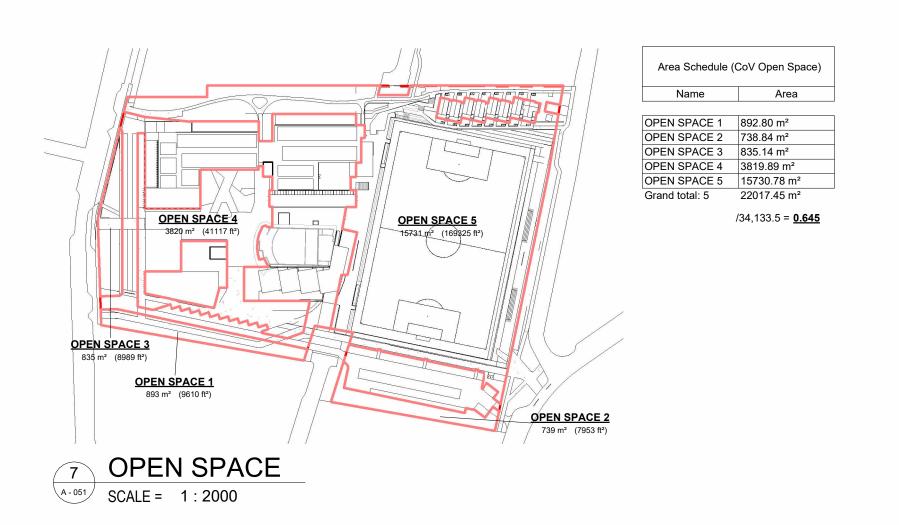


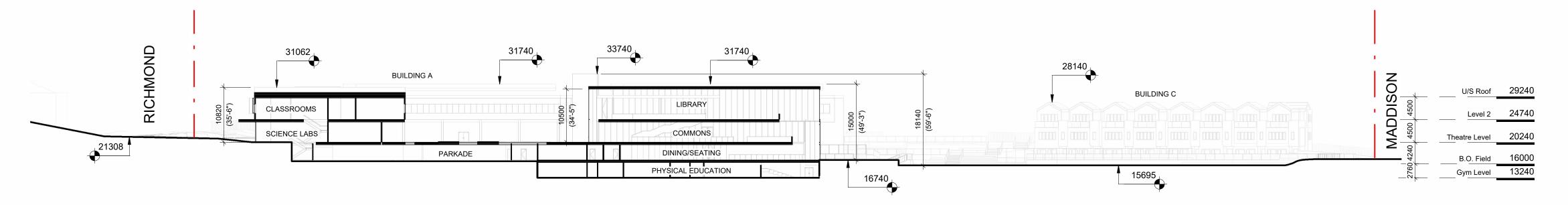




Alea Su	nedule (CoV Gross (Revised))	FIOOI AIEA
Level	Name	Area
SCHOOL		·
l evel 2	SCHOOL	4875.00 m²
l evel 2	SCHOOL	1012.51 m²
Theatre Level	SCHOOL	1855.15 m²
Theatre Level	SCHOOL	2473.56 m²
Theatre Level	SCHOOL	29.41 m²
Theatre Level	SCHOOL	727.25 m <sup>2</sup>
Parkade Level	SCHOOL	1319.20 m²
Parkade Level	SCHOOL	30.30 m²
Gym Level	SCHOOL	3328.08 m²
SCHOOL: 9 HOUSING		15650.45 m²
Level 2	HOUSING	412.55 m²
Theatre Level	HOUSING	517.51 m²
Parkade Level	HOUSING	468.53 m²
HOUSING: 3	·	1398.59 m²
		17049.04 m²
		/34.133.5 = <b>0</b>







6879.23 m<sup>2</sup> 567.20 m<sup>2</sup> 1051.22 m<sup>2</sup>

/34,133.5 = **0.249** 

Geodetic Height Diagram Key Section

SCALE = 1:500

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written consent of Cascadia Architects.

PW	CAMP	'US 1	KEINI	LVVA

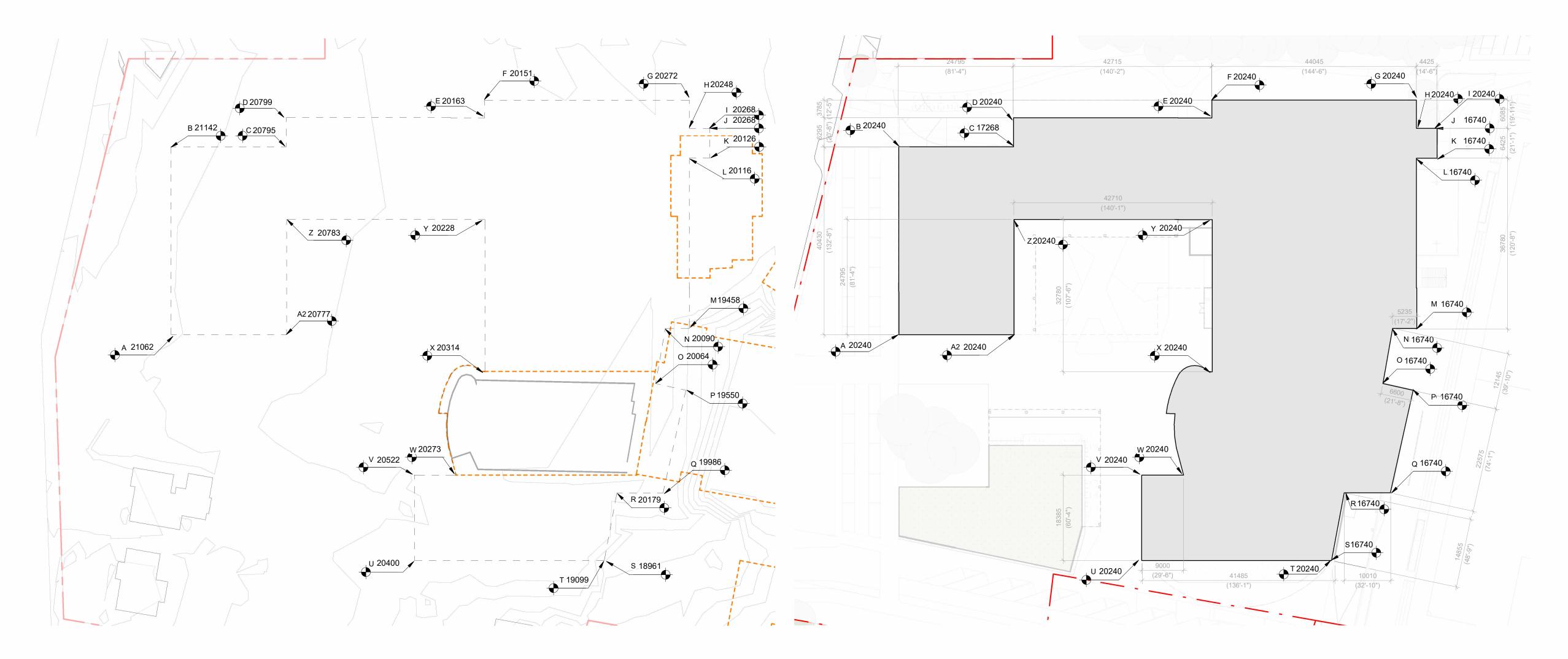
GLENLYON NORFOLK SCHOOL

**Zoning Calculations** 

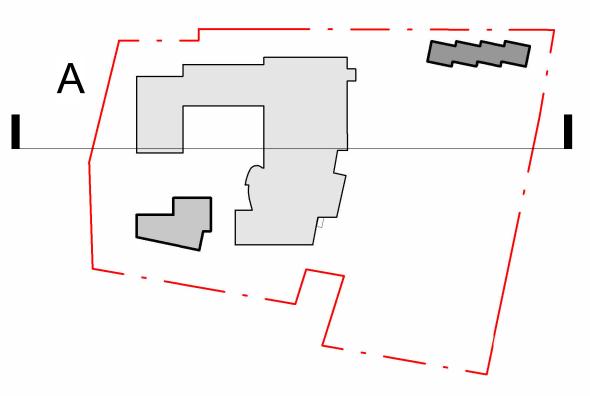
As indicated

April 4, 2025

April 04, 2025



AVERAGE GRADE BUILDING A DISTANCE BETWEEN GRADE OF EACH POINT POINTS (A+B/2)DISTANCE BETWEEN POINTS 40430 24795 6295 42780 3785 44045 6085 4425 20240 20240 20240 20240 501,850,800 127,410,800 864,220,170 76,294,245 889,510,798 123,160,400 89,562,000 6425 4425 36780 5235 12145 6600 22575 10010 14855 107,554,500 74,074,500 615,697,200 87,633,900 203,307,300 110,484,000 16740 16740 16740 377,905,500 167,567,400 248,672,700 815,989,208 20240 20240 20240 20240 20240 20228 20240 20240 18320 9000 29630 32780 42620 24795 24795 370,796,800 182,160,000 599,711,200 663,270,520 862,373,080 501,850,800 250,925,400 9,730,286,420



4 Key Plan - Building A

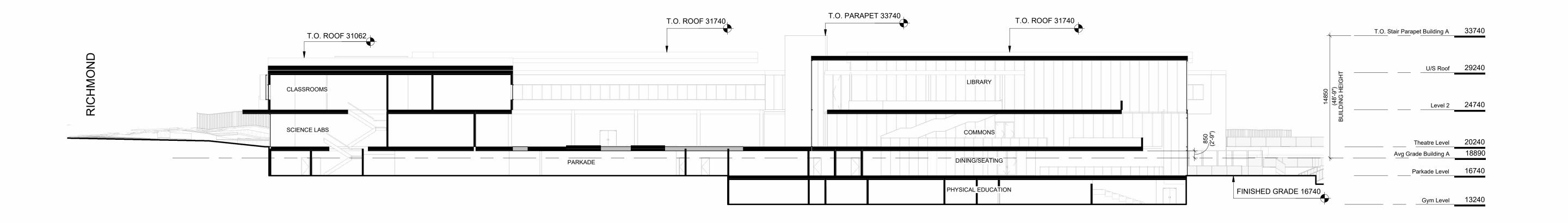
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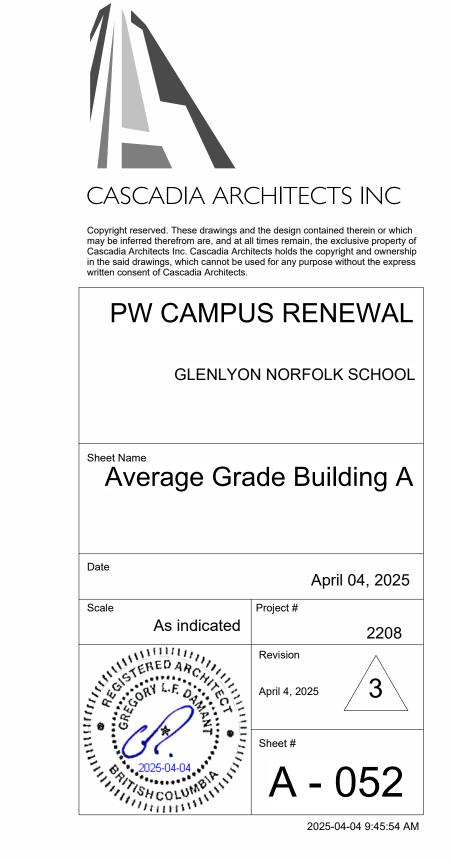
Natural Grade Building A

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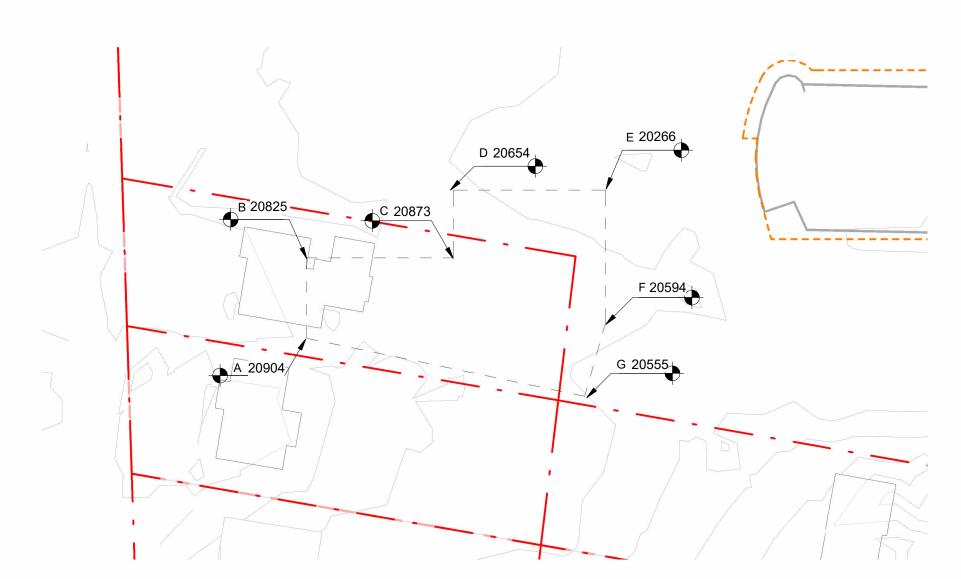
2 Average Grade Proposed Building A SCALE = 1:500

	D	A
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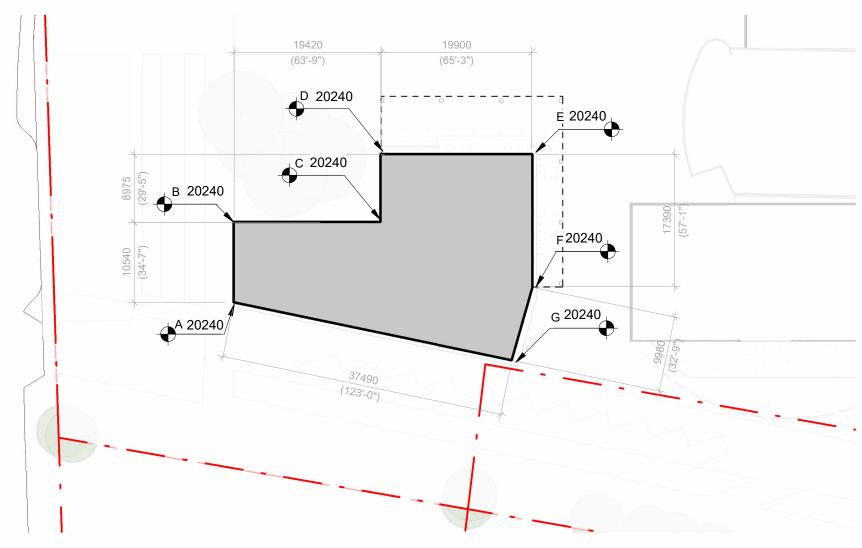


POINTS	GRADE OF EACH POINT	POINTS	DISTANCE BETWEEN	POINT
A	20240	A-B	10540	213329600
В	20240	B-C	19420	393060800
C	20240	C-D	8975	181654000
D	20240	D-E	19900	402776000
E	20240	E-F	17390	351973600
F	20240	F-G	9980	201995200
G	20240	G-A	37490	758797600

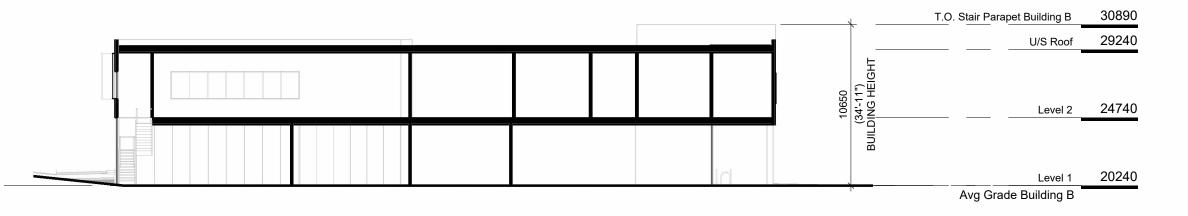


Natural Average Grade Building B

SCALE = 1:500



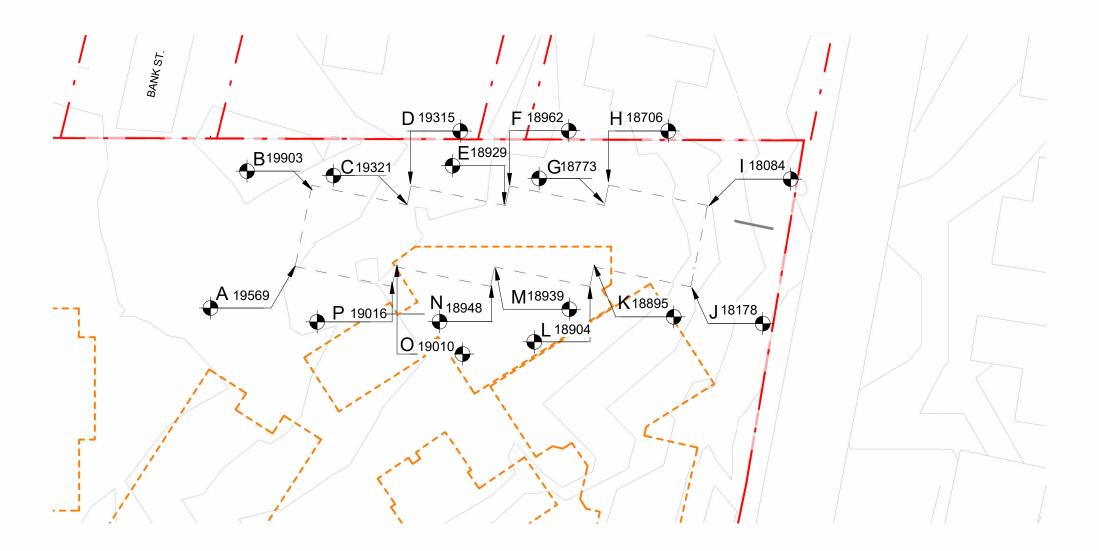
3 Average Grade Proposed Building B
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5 Height Diagram Building B
SCALE = 1:250

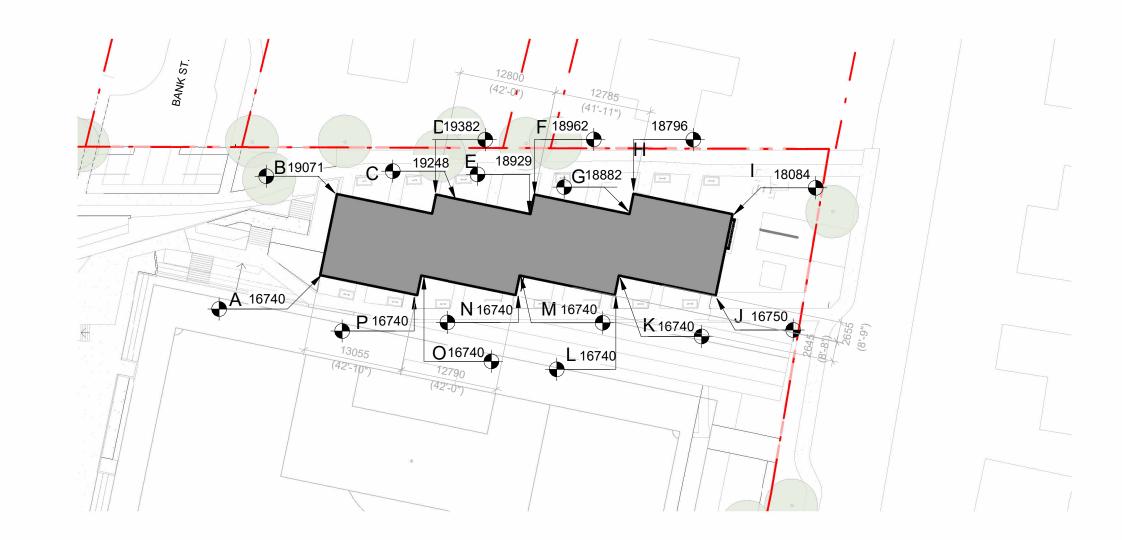
AVERAGE GRADE Townhouses, Building C

POINTS	GRADE OF EACH POINT	POINTS	DISTANCE BETWEEN POINTS	POINT (A+B/2)DISTANCE BETWEEN POINTS	
А	16740	A-B	11040	197676720	
В	19071	B-C	12795	243667980	
C	19017	C-D	2655	50815372.5	
D	19262	D-E	12800	244396800	
E	18925	E-F	2625	49701750	
F	18943	F-G	12785	241093137.5	
G	18772	G-H	2665	49946097.5	
Н	18711	H-I	13905	255441802.5	
1	18030	I-J	11105	193060425	
J	16740	J-K	13610	227831400	
K	16740	K-L	2655	44444700	
L	16740	L-M	12825	214690500	
M	16740	M-N	2645	44277300	
N	16740	N-O	12790	214104600	
0	16740	O-P	2670	44695800	
P	16740	P-A	13055	218540700	
			142625	2534385085	17,77



Natural Average Grade Building C

SCALE = 1:500

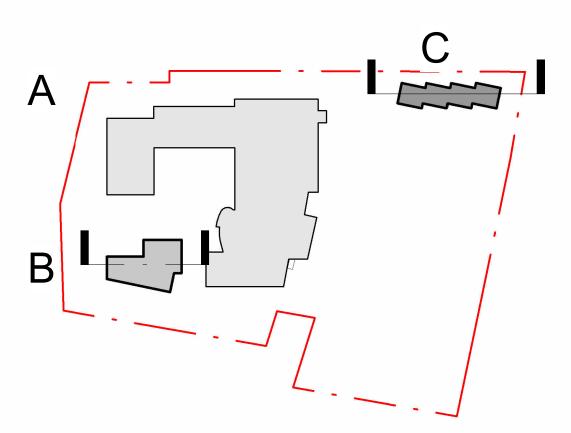


Proposed Average Grade Building C

SCALE = 1:500



6 Height Diagram Building C
SCALE = 1:250



8 Key Plan - Main Building Plan SCALE = 1:2000

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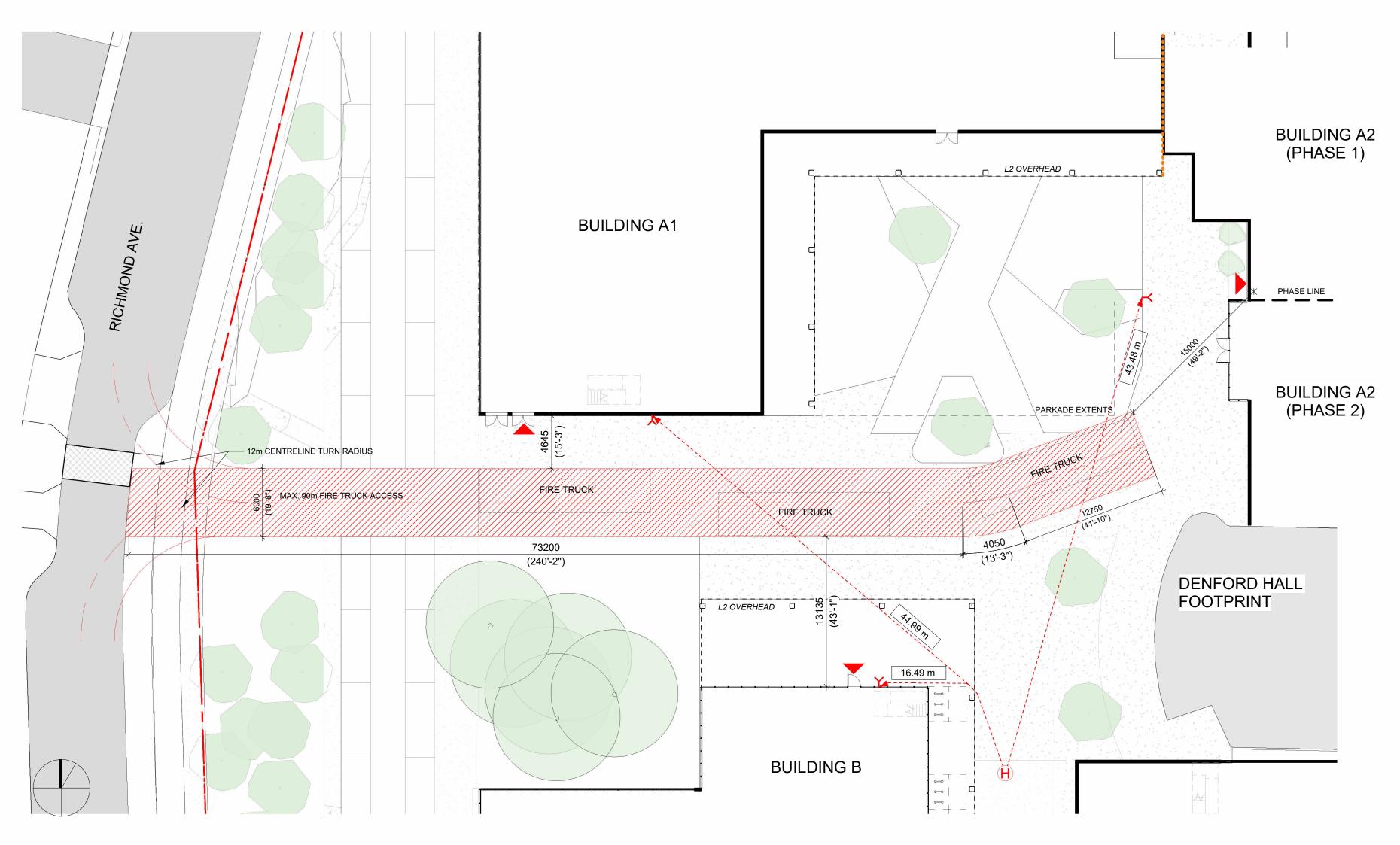
PW CAMPUS RENEWAL

GLENLYON NORFOLK SCHOOL

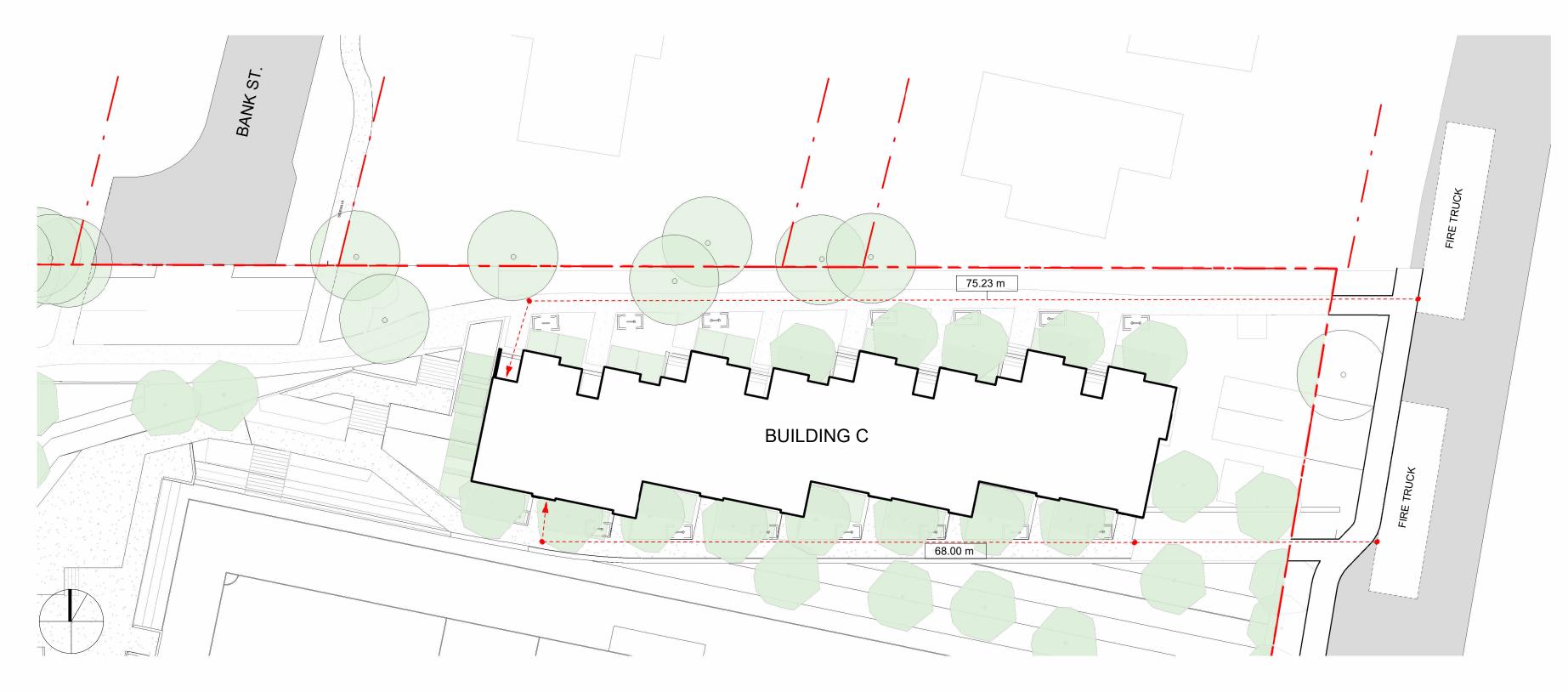
Average Grade Building B

Date		April 04, 2025
Scale	Project #	
As indicated		2208
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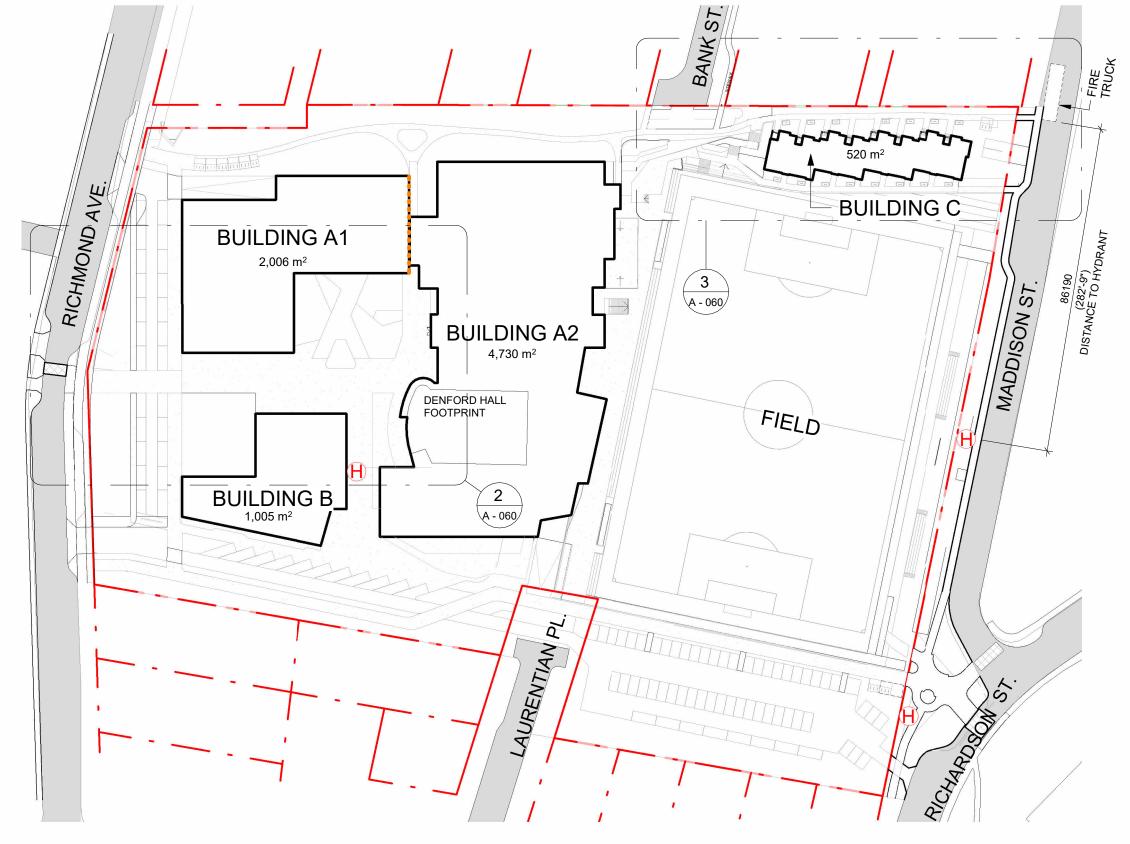
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Fire Access Plan - Building A and B SCALE = 1:250



Fire Access Plan - Building C
SCALE = 1:250



Code Key Plan - Fire Access
SCALE = 1:1000

FIRE ACCESS PLAN LEGEND

PRINCIPAL ENTRANCE

FIRE DEPARTMENT CONNECTION

EXISTING FIRE HYDRANT FIRE ACCESS ROUTE

FIRE FIGHTER PATH OF TRAVEL

2 HR FIRE WALL

April 4, 2025 August 1, 2024 May 3, 2024 DATE Rezoning Application Development Tracker Application NO. DESCRIPTION



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GLENLYON NORFOLK SCHOOL

Fire Access Plan

April 04, 2025 As indicated

April 4, 2025

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BUILDING A1 - BUILDING CODE ANALYSIS		
PROJECT TYPE	NEW CONSTRUCTION   RENOVATION ADDITION	
GOVERNING BUILDING CODE	2024 BC BUILDING CODE PART 3	
MAJOR OCCUPANCIES	A1 A2 A3 A4 B1 B2 C D E F1 F2 F3	3.1.2.1.
BUILDING AREA	2006 m² (Outside face of Exterior Walls)	Div A 1.4.1.2.
GRADE	20.4 m	Div A 1.4.1.2.
BUILDING HEIGHT (STOREYS, m)	2 STOREYS ABOVE GRADE 1 STOREYS BELOW GRADE	Div A 1.4.1.2.

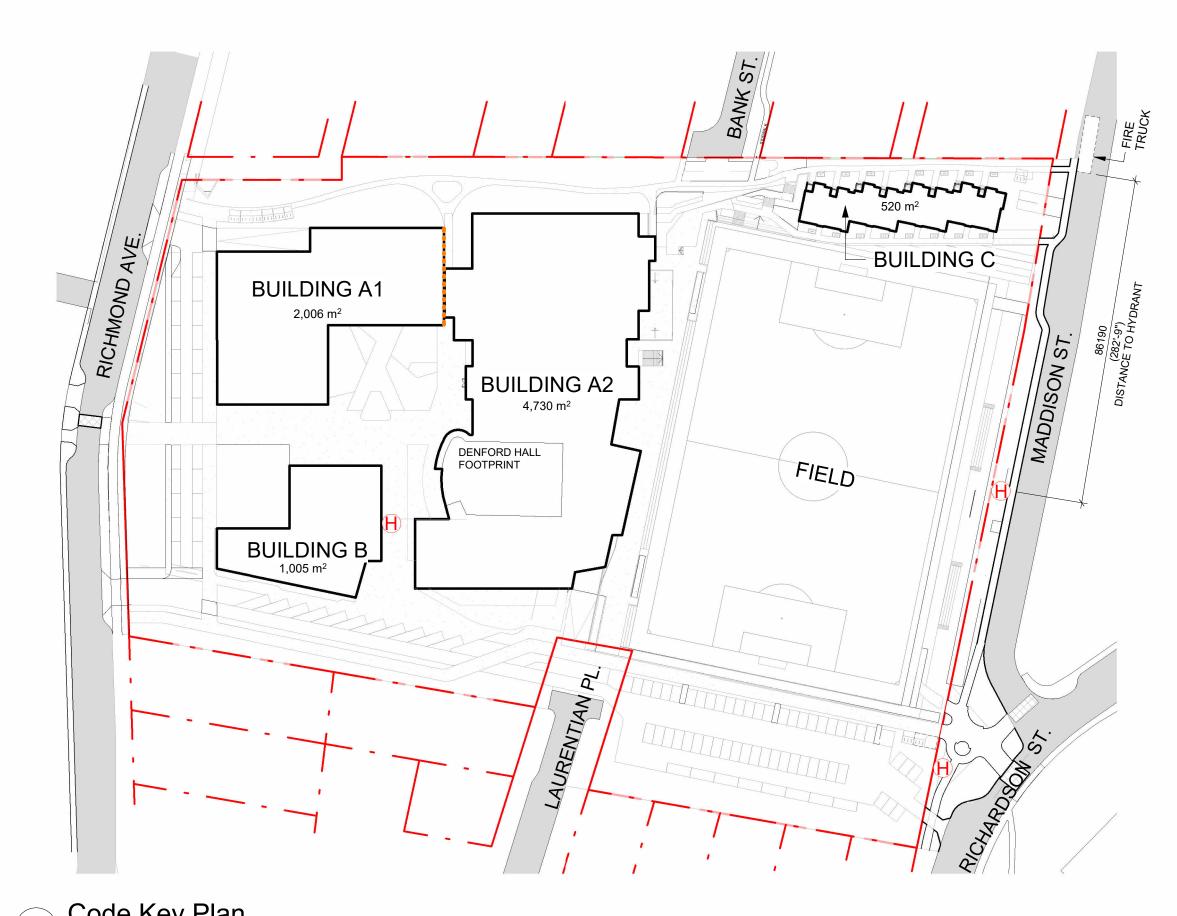
BUILDING A2 - BUILDING CODE ANALYSIS		
PROJECT TYPE	NEW CONSTRUCTION   RENOVATION ADDITION	
GOVERNING BUILDING CODE	2024 BC BUILDING CODE PART 3	
MAJOR OCCUPANCIES	A1 A2 A3 A4 B1 B2 C D E F1 F2 F3	3.1.2.1.
BUILDING AREA	4730 m² (Outside face of Exterior Walls)	Div A 1.4.1.2.
GRADE	16.7 m	Div A 1.4.1.2.
BUILDING HEIGHT (STOREYS, m)	3 STOREYS ABOVE GRADE 1 STOREYS BELOW GRADE	Div A 1.4.1.2.

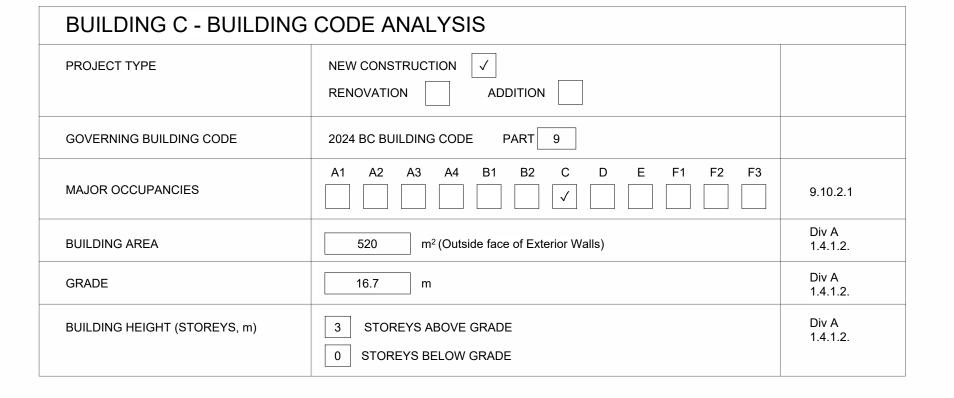
BUILDING B - BUILDING CODE ANALYSIS		
PROJECT TYPE	NEW CONSTRUCTION  RENOVATION ADDITION	
GOVERNING BUILDING CODE	2024 BC BUILDING CODE PART 3	
MAJOR OCCUPANCIES	A1 A2 A3 A4 B1 B2 C D E F1 F2 F3	3.1.2.1.
BUILDING AREA	1005 m <sup>2</sup> (Outside face of Exterior Walls)	Div A 1.4.1.2.
GRADE	20.4 m	Div A 1.4.1.2.
BUILDING HEIGHT (STOREYS, m)	2 STOREYS ABOVE GRADE 0 STOREYS BELOW GRADE	Div A 1.4.1.2.

BUILDING FIRE SAFETY & CONSTRUCTION	N CLASSIFICATION		
CLASSIFICATION	3.2.2.93 - EMTC, GROUP A2, UP TO 6 STOREYS, SPRINKLERED, or 3.2.2.24 - NONCOMBUSTIBLE, UP TO 6 STOREYS, SPRINKLERED, or 3.2.2.26 - COMBUSTIBLE, UP TO 2 STOREYS, SPRINKLERED	*3.2.2.93 for Group A2 **3.2.2.26 for combustible	
MAXIMUM BUILDING AREA	7200 m <sup>2*</sup> or 2400 m <sup>2**</sup>	construction	
NUMBER OF STREETS FACING	1	3.2.2.10	
CONSTRUCTION TYPES PERMITTED	COMBUSTIBLE  NON - COMBUSTIBLE  EMTC	Dependent on classifcation selected	
FIRE ALARM SYSTEM	YES NO	3.2.4.1	
STANDPIPE SYSTEM	YES NO	3.2.5.8	
HIGH BUILDING	YES NO	3.2.6.1	
INTERCONNECTED FLOOR SPACE	YES NO	3.2.8.	

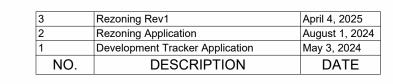
BUILDING FIRE SAFETY & CONSTRUCTIO	N CLASSIFICATION	
CLASSIFICATION	3.2.2.93 - EMTC, GROUP A2, UP TO 6 STOREYS, SPRINKLERED, or 3.2.2.24 - NONCOMBUSTIBLE, UP TO 6 STOREYS, SPRINKLERED	
MAXIMUM BUILDING AREA	7200 m <sup>2*</sup>	*3.2.2.93 for Group A2
NUMBER OF STREETS FACING	1	3.2.2.10
CONSTRUCTION TYPES PERMITTED	COMBUSTIBLE NON - COMBUSTIBLE ✓ EMTC ✓	Dependent on classifcation selected
FIRE ALARM SYSTEM	YES NO	3.2.4.1
STANDPIPE SYSTEM	YES NO	3.2.5.8
HIGH BUILDING	YES NO	3.2.6.1
INTERCONNECTED FLOOR SPACE	YES NO	3.2.8.
		1

BUILDING FIRE SAFETY & CONSTRUCTIO	N CLASSIFICATION		
CLASSIFICATION	3.2.2.93 - EMTC, GROUP A2, UP TO 6 STOREYS, SPRINKLERED, or 3.2.2.26 - GROUP A2, UP TO 2 STOREYS, INCREASED AREA, SPRINKLERED	*3.2.2.93 for Group A2 **3.2.2.26 for combustible	
MAXIMUM BUILDING AREA	7200 m <sup>2*</sup> or 2400 m <sup>2**</sup>	construction	
NUMBER OF STREETS FACING	1	3.2.2.10	
CONSTRUCTION TYPES PERMITTED	COMBUSTIBLE ✓ NON - COMBUSTIBLE ✓ EMTC ✓	Dependent on classifcation selected	
FIRE ALARM SYSTEM	YES NO	3.2.4.1	
STANDPIPE SYSTEM	YES NO	3.2.5.8	
HIGH BUILDING	YES NO	3.2.6.1	
INTERCONNECTED FLOOR SPACE	YES NO	3.2.8.	





BUILDING FIRE SAFETY & CONSTRUCTION CLASSIFICATION			
FIRE ALARM SYSTEM	YES	NO	9.10.18.2 (5)
SPRINKLERED	YES	NO	





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PW CAMPUS RENEWAL

GLENLYON NORFOLK SCHOOL

Building Code Analysis

Scale

Scale As indicated

Revision

April 4, 2025

Sheet #

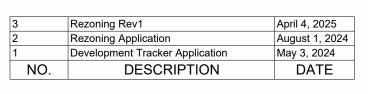
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April 04, 2025

Code Key Plan
SCALE = 1:1000

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PW CAMPUS RENEWAL

GLENLYON NORFOLK SCHOOL

Proposed Gym Level (B2)

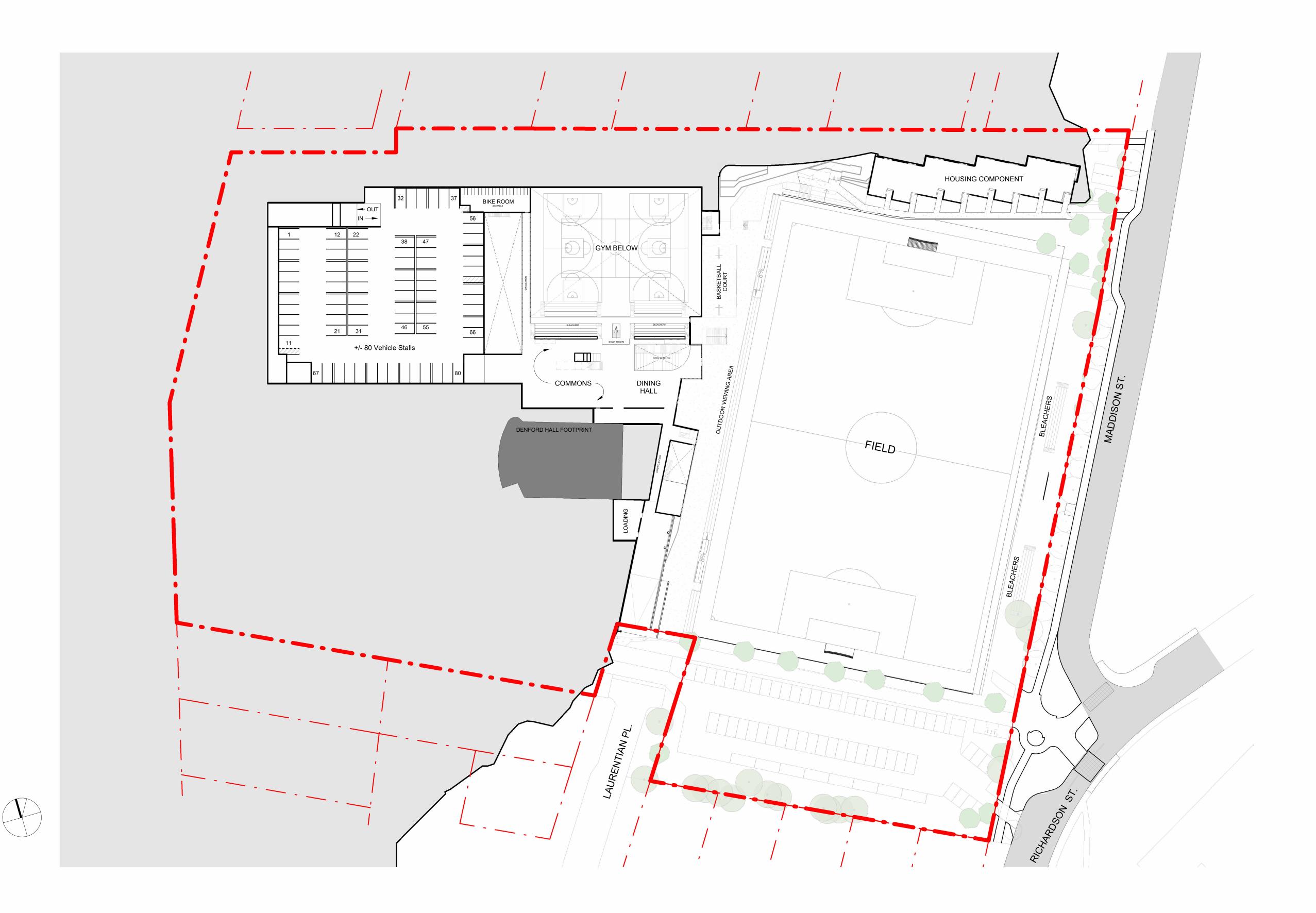
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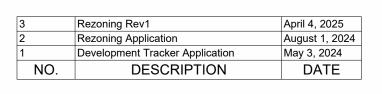
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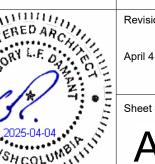
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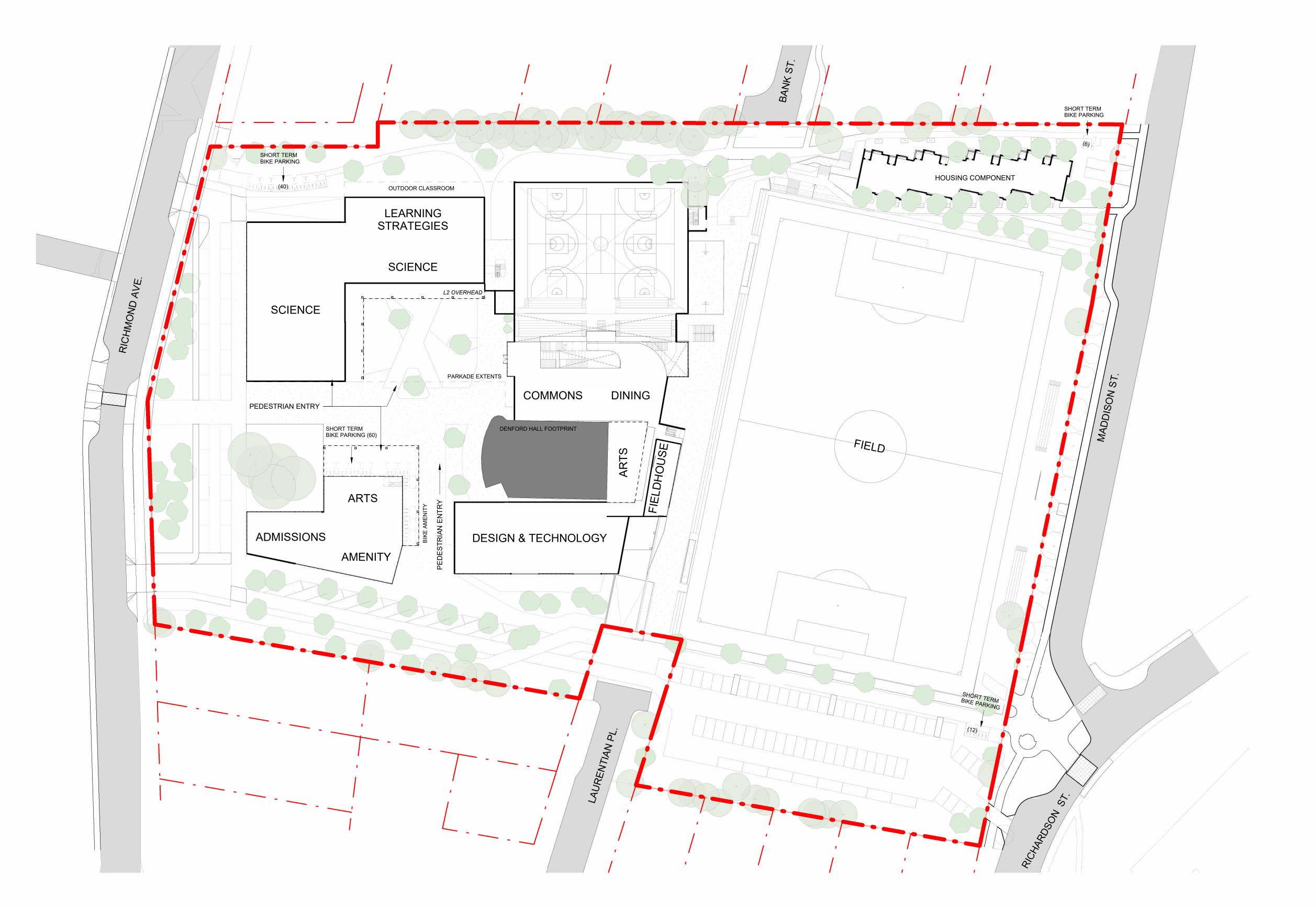
GLENLYON NORFOLK SCHOOL

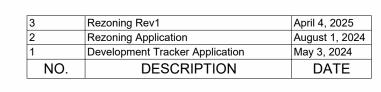
Proposed Field Level (B1)

April 04, 2025



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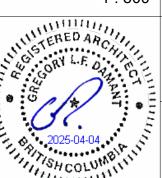
PW CAMPUS RENEWAL

GLENLYON NORFOLK SCHOOL

Proposed Courtyard Level (L1)

Date April 04, 2025

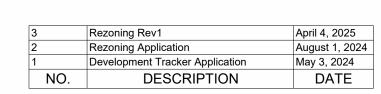
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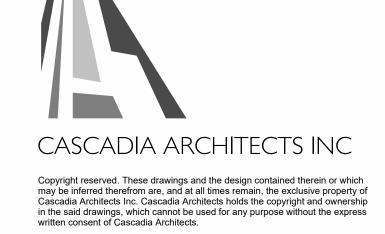


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PW CAMPUS RENEWAL

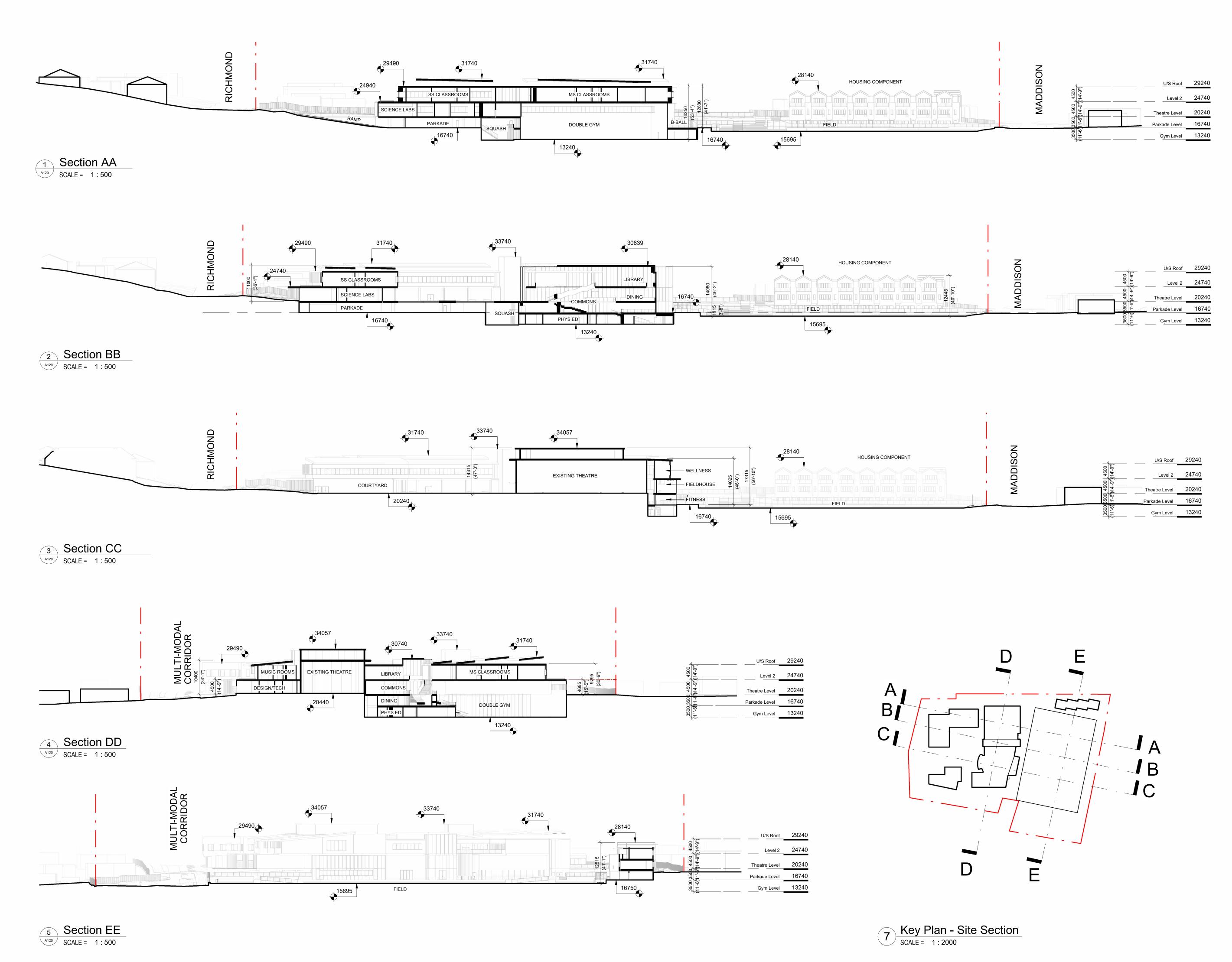
GLENLYON NORFOLK SCHOOL

Proposed Classroom Level (L2)

Date			April 04, 2025
Scale		Project #	
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GLENLYON NORFOLK SCHOOL

Sheet Name

Proposed Site Sections

Date

April 04, 2025

Scale

As indicated

Project #

A - 300

Sheet #

A - 300

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Rezoning Rev1
Rezoning Application

NO.

Development Tracker Application
DESCRIPTION

CASCADIA ARCHITECTS INC

April 4, 2025 August 1, 2024 May 3, 2024 DATE





GLENLYON NORFOLK SCHOOL RENEWAL

**CIVIC ADDRESS** 

781 RICHMOND AVENUE, VICTORIA, BC

**LEGAL ADDRESS** 

LEGAL LOT A, SECTION 68, VICTORIA DISTRICT, PLAN VIP57155

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GLENLYON NORFOLK SCHOOL RENEWAL

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COVER

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#### **GLENLYON NORFOLK SCHOOL - DESIGN RATIONALE**

Glenlyon Norfolk School welcomes students, families and alumni into the bustling, active heart of campus while engaging with its residential context with public through-paths, cycling infrastructure, rich habitat value, and a continuation of the Gonzales Neighbourhood's signature urban forest. Through thoughtful material choices, careful locating of program and adjacencies, native and adaptive planting, retention of key existing trees, and amenities that welcome the community into the edges of the site, GNS provides an inviting and enriching experience to its community.

The formal entry to GNS is located on Richmond Avenue, with a widened sidewalk, bike lane, and lush rain gardens providing nature-based stormwater management for the site. A dropoff zone for vehicles is bisected by the main pedestrian throughway, an east-west spine that leads visitors past a restored Garry Oak meadow and into the interior courtyard.

The courtyard is the centre of student social life in the campus landscape. Using retained soil volumes to provide tactile plantings and flexible lawn space, this space is malleable and oriented to the social life of the campus community. Movable furnishings, spaces for dining, bike parking, timber decking, and feature paving that supports wayfinding completes this bustling hub. Tree plantings at the heart of the courtyard anchors the space.

Moving along the pedestrian throughway, visitors emerge onto the playing field, overlooked to the east and north by terraced seat walls, innovative and compelling social spaces for students to perch and eat, talk, bask in the sunshine, and take in the view.

To the west of the field, tucked into the building massing, a playground and half basketball court provide fun and active spaces for students while shielding neighbours from noise.

To the south of the field is an internal street flanked by a generous multi-modal pathway along the southern edge of the site. Permeable paving and lush planting characterize this corridor. This southern pathway provides a pedestrian linkage from Richmond and Laurentian to the Maddison Street Greenway, and features a bike repair amenity and bike parking. At the southeastern corner of the site, the pathway terminates at a crossroads where Richardson and Maddison meet. A community gathering space provides seating and a natural meeting place for school community and neighbours alike.

Moving north along the Maddison Street Greenway, this edge supports a parklike environment. Bench seating is nestled within this green linear park, immersing passersby in this urban habitat.

The northern boundary of the site is characterized by a robust existing tree canopy and restored native plant ecology. This quiet forest walk is hugged on all sides by trees, leading past townhomes with feature planting to an urban woodland, replete with firs, oaks, and ferns. This substantial buffer provides habitat value and provides privacy for neighbours. A public walkway connects Maddison to Bank Street. Further west, a private pathway skirts an outdoor classroom and a bike parking amenity tucked into the forest.

Conceived of with both the school community and the larger Gonzales community in mind, the GNS Renewal Plan provides a cohesive and unified vision that both looks inwards to students, staff, families and alumni, and outwards to the larger community of the neighbourhood and its ecology.

































#### LANDSCAPE PLAN LEGEND

- FLEXIBLE PLAZA & FIRE ACCESS
  - Special paving
  - Perimeter planting
  - Perimeter seating
- STUDENT COMMONS
  - Flexible lawn
  - Timber platform seating/ stage
  - Moveable Furnishings
  - Planting
- THEATRE SPILLOUT
  - Seating
- Moveable furnishings
- Special Paving
- **INTERNAL ROAD** - Special paving
  - Parking
- SHARED MULTI-MODAL PATHWAY - Coloured concrete
  - Screening planting along property line
- STUDENT DROP-OFF
  - Pedestrian pathways from Richmond
  - Formal gateway planting
  - Perimeter seating
- RICHMOND STREETSCAPE
- Rain gardens
- Sidewalk and bike lane - Boulevard per COV standards
- THE FOREST WALK PRIVATE
  - Woodland planting
  - Meandering pathway
  - Habitat opportunities
- 10 OUTDOOR CLASSROOM SPACE
- 1 FLEXIBLE SEATING AREA
- Views to field
- Lush planting
- Moveable furnishings
- 2 SEAT WALL SPECTATOR ZONE
- 13 RESIDENTIAL YARDS
- Shared pathway
- 14 PLANTED SLOPE
- 15 SEAT STEP SPECTATOR ZONE

- 16 MADDISON GREENWAY
  - Sidewalk
  - Substantial boulevard planting
  - Pocket seating zones
- ACCESSIBLE RAMP TO FIELD
- 18 DINING SPILLOUT
- 19 PLAY ZONE
- 20 BASKETBALL COURT (below)
- **OUTDOOR MAKER SPACE** - Large harvest tables
  - Storage - Lush planting
- **BIKE PARKING AND AMENITY**
- RESTORED GARRY OAK MEADOW
  - Foot paths
- 24 SURFACE PARKING AREA
- SOUTHERN PLANT BUFFER
- Dense screening planting - 6' - 8' tall fence
- LOADING ZONE (back-of-house)
- UNDERGROUND PARKING ENTRANCE
- 28 RESIDENTIAL PARKING
- **29** GROUP/SPORTS TEAM SEATING STEPS
- **COMMUNITY GATHERING NODE**
- 31 STUDENT BUS SPILLOUT AREA
- **32** RAIN GARDEN SEATING AREA

**GLENLYON NORFOLK** SCHOOL RENEWAL

PWL

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DESIGN RATIONALE

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DRAWING TITLE

## TREE MANAGEMENT PLAN

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#### TREE REPLACEMENT PLAN

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# LANDSCAPE PLAN WITH GREEN ROOF

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### **GARRY OAK MEADOW**



Garry oak



Camassia quamash Blue Camas



Allium cernuum **Nodding Onion** 



Elymus glaucus, Snowberry Blue wildrye



**Arbutus** 



Symphoricarpos albus, Arbutus meziesii,

### WOODLAND CHARACTER



Cornus nuttalli, Pacific dogwood



Pseudotsuga menziesii, Douglas Fir



Polystichum munitum, Western sword fern



Vaccinium ovatum, Maianthemum dilatutum 'False Lily of 'Evergeen Huckleberry' the Valley'



Lupinus bicolor, Two-coloured lupin

### **GREENWAY PLANTING**



Deschampsia cespitosa 'Tufted Hair Grass'



Clethra alnifolia, 'Ruby Spice' summersweet



Dryopteris arguta, Coastal wood fern



Echinacea purpurea, Purple cone flower



Vaccinium ovatum, 'Evergeen Huckleberry'



Pinus contorta var. contorta, Shore pine



Larix decidua 'European larch'



Malus fusca, Pacific crabapple



Woolly sunflower

### RESIDENTIAL PLANTING



Deschampsia cespitosa 'Tufted Hair Grass'



Rudbeckia fulgida 'Goldstrum', black-eyed Susan



Cornus kousa 'Satomi', Satomi dogwood



Cornus canadensis, bunchberry



Vaccinium ovatum, 'Evergeen Huckleberry'

### RAIN GARDEN



Acer rubrum, Red maple



Sambucus racemosa, Rosa nutkana, Red elderberry



Iris setosa, Gaultheria shallon. Dwarf Arctic iris





Carex stipata, Awl fruited sedge



Carex obnupta,

Slough sedge

Myrica gale,

Bog myrtle

Juncus patens 'Carmen's Grey', Carmen's Gray rush

### **POCKET PLANTING**



Sedum 'Autumn Joy', Autumn Joy Stonecrop

Rudbeckia fulgida

black-eyed Susan

Acer rubrum, Red

maple

'Goldstrum',



MUNICIPAL REPLACEMENT TREES

Quercus garryana,

Garry oak

alopecuroides, Fountain Grass



Yarrow



Woodland strawberry

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### **PLANT LIST**



Prunus cerasifera,

Flowering plum

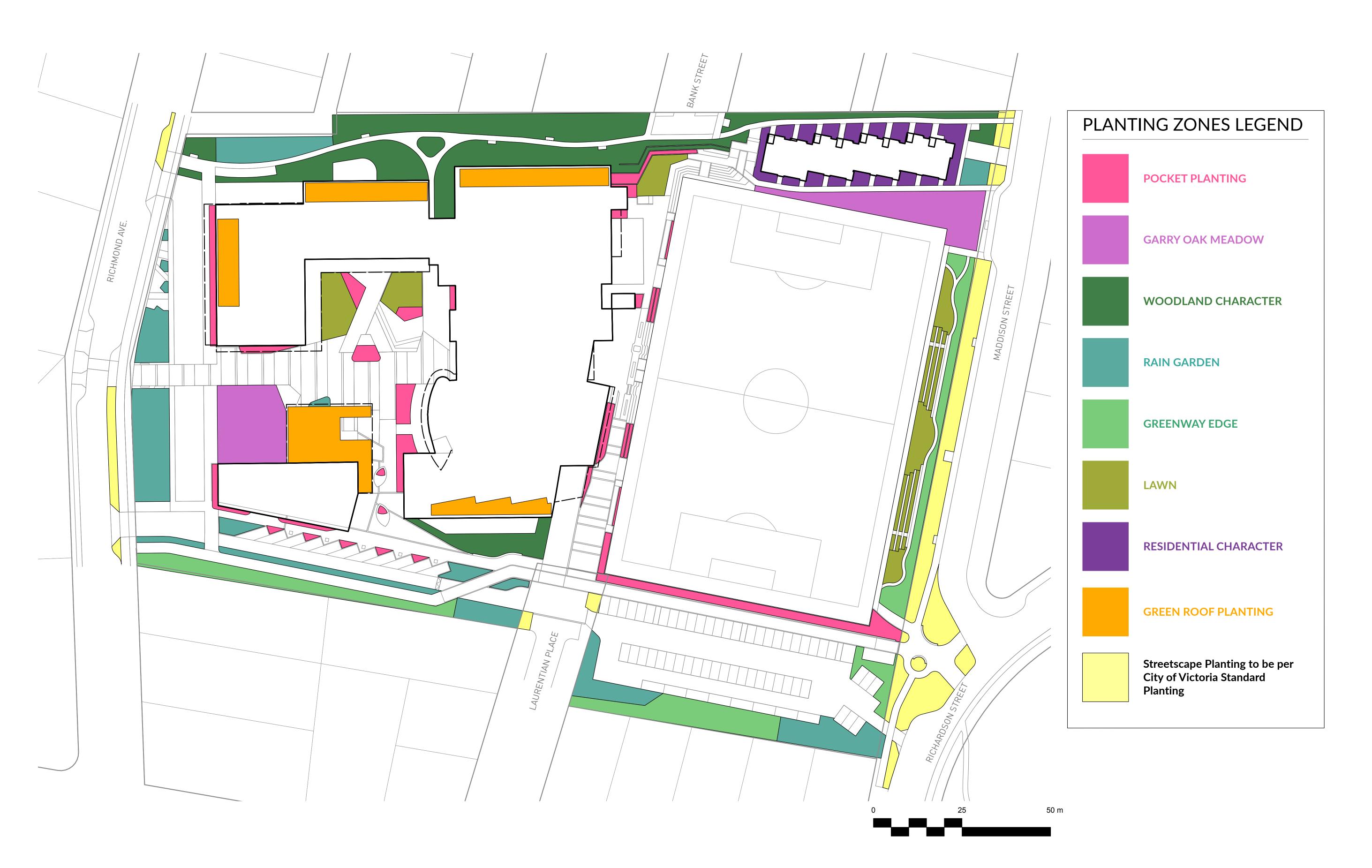
Gleditsia Tricanthos, Honey locust

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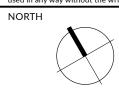
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PLANTING PLAN

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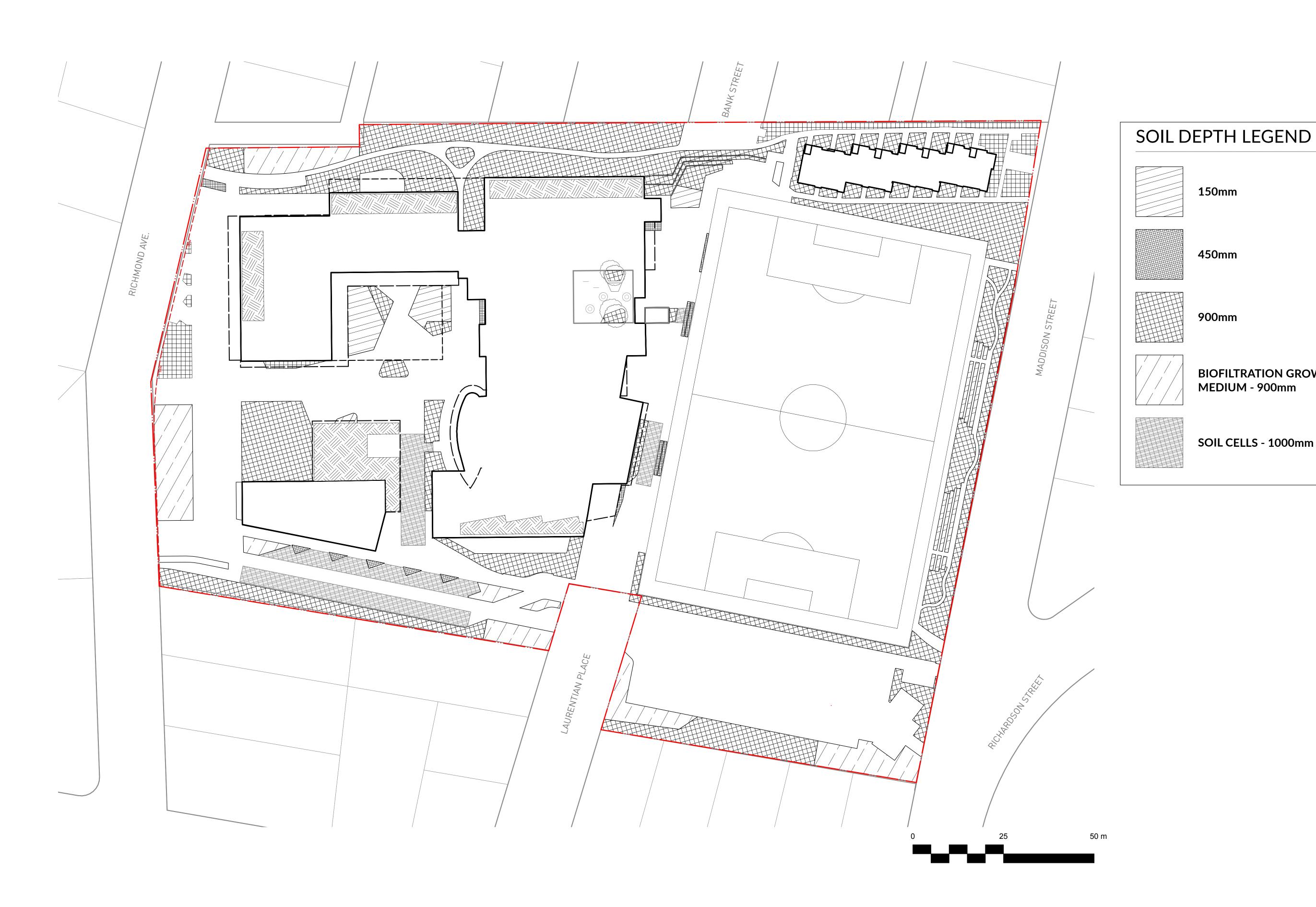
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150mm

450mm

900mm

**BIOFILTRATION GROWING** 

MEDIUM - 900mm

SOIL CELLS - 1000mm

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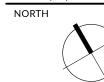
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SOIL DEPTH PLAN

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LANDSCAPE TYPE	TOTAL AREA	SIZING FACTOR	CALCULATED DRAINAGE ARE
Rain Garden	939sqm Base Area	5%	18,789sqm
Bioswale	80sqm Base Area	15%	540sqm
Extensive Green Roof	1,025sqm	Green Roof footprint only	
Soft Landscape	5,910sqm	Soft Landscape footprint only	
Impermeable Surface	29,172sqm		
TOTAL			19,329sqm

NOTE: ALL FIGURES ARE PRELIMINARY CALCULATIONS PER THE CITY OF VICTORIA PROFESSIONAL RAINWATER MANAGEMENT STANDARDS AND WILL BE REFINED THROUGH **FUTURE DESIGN PHASES.** 

#### RAINWATER MANAGEMENT STRATEGY

One of the design goals of the Glenlyon Norfolk School Renewal is to positively contribute to stormwater management. Strategies like rain gardens, bioswales, permeable paving, and green roofs will be leveraged to increase environmental sustainability. A key part of this strategy is the integration with existing stormwater infrastructure to ensure seamless drainage connectivity, preventing overflow during heavy rainfall events. Green roofs provide the possibility of the capturing and local treatment of rainwater that can be used for irrigation, toilet and urinal flushing and other non-potable uses.

Compliance with the City if Victoria regulations and environmental considerations will ensure that the chosen plants and materials minimize ecological impact while also enhancing the schools resilience against climate change.

These green infrastructure features will serve as practical tools for teaching environmental stewardship and sustainability to staff and students at the school as well as the surrounding community.



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### RAINWATER **MANAGEMENT** PLAN



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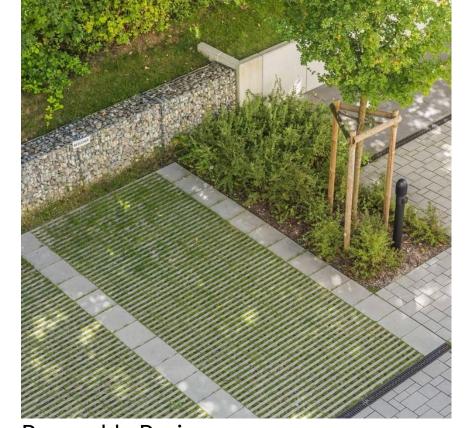
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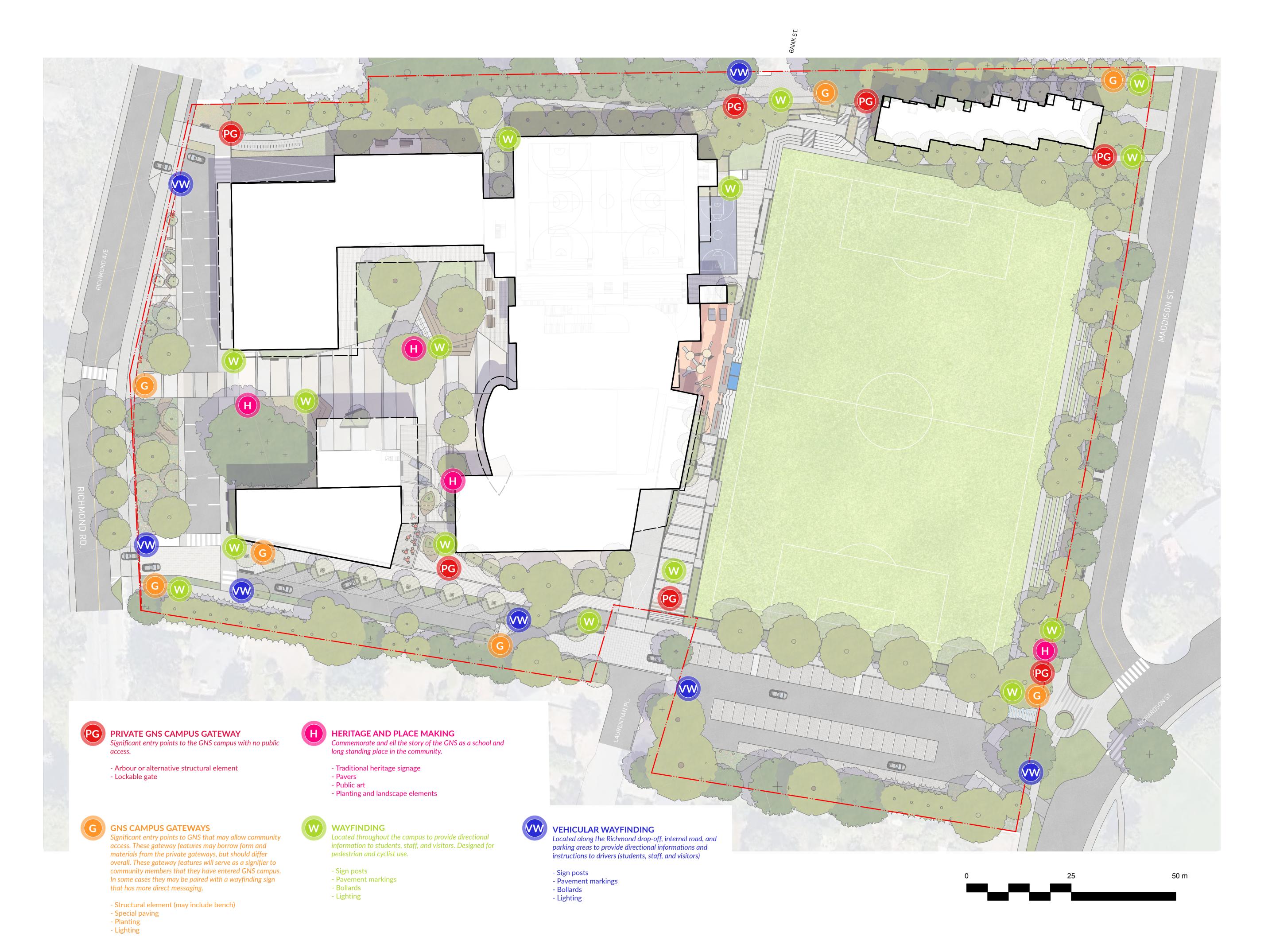




Soft Landscape

Bioswale

Rain Garden Green Roof





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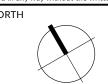
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#### WAYFINDING PLAN

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NTERPRETIVE SIGNAGE/ STORYTELLING















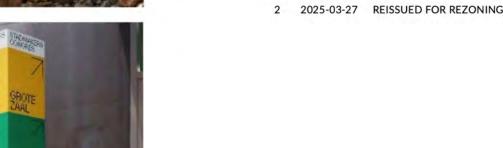
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# PG PRIVATE GNS CAMPUS GATEWAY









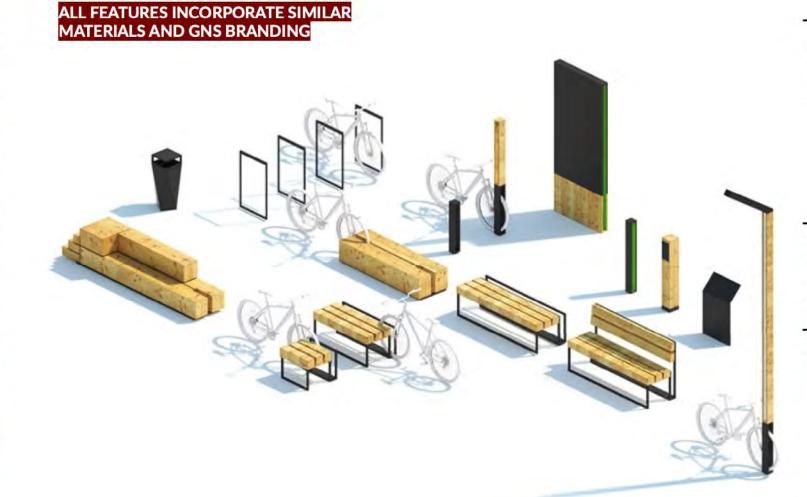
### **GNS CAMPUS GATEWAY - COMMUNITY**







### INTEGRATED DESIGN FAMILY **ACROSS ALL WAYFINDING**



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WAYFINDING **PRECEDENTS** 

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