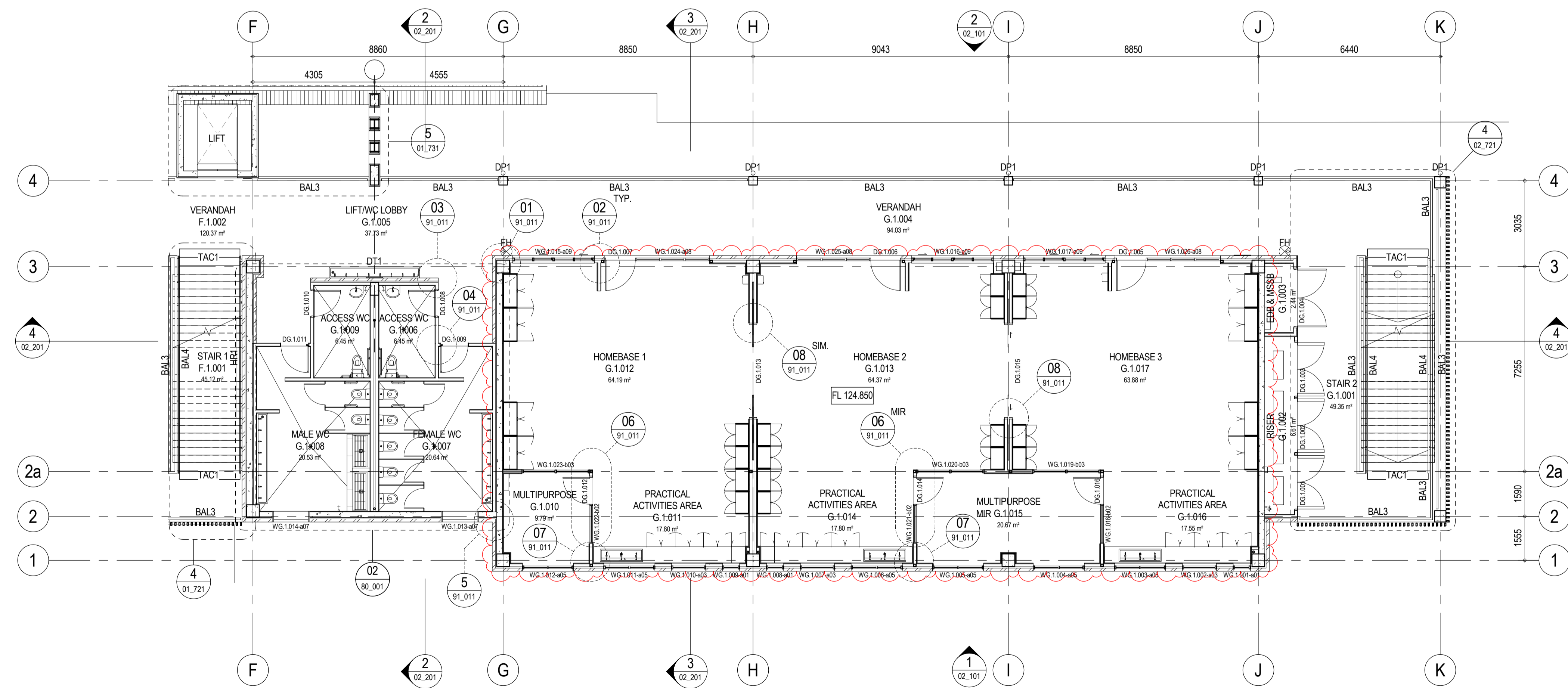


LOWER GROUND FLOOR 2
1:100

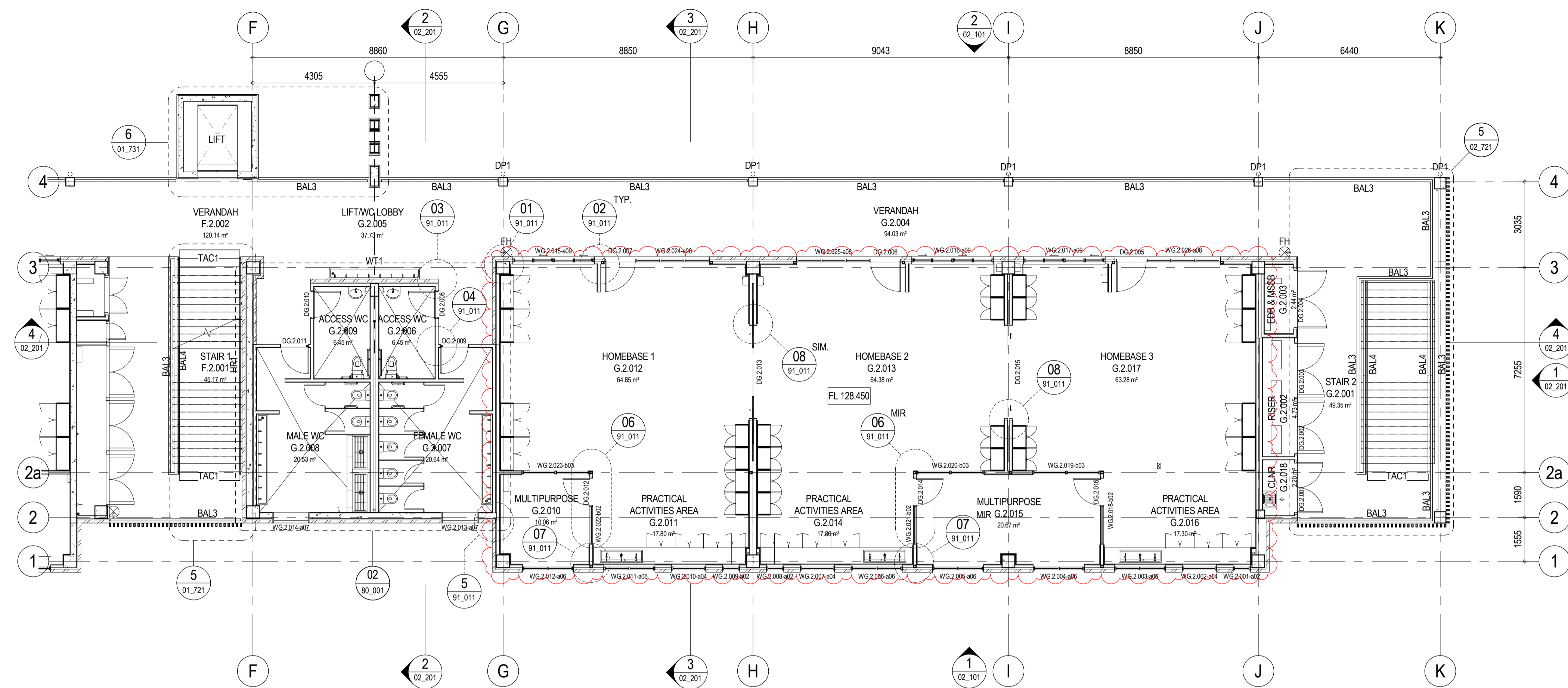


GROUND FLOOR 1
1:100

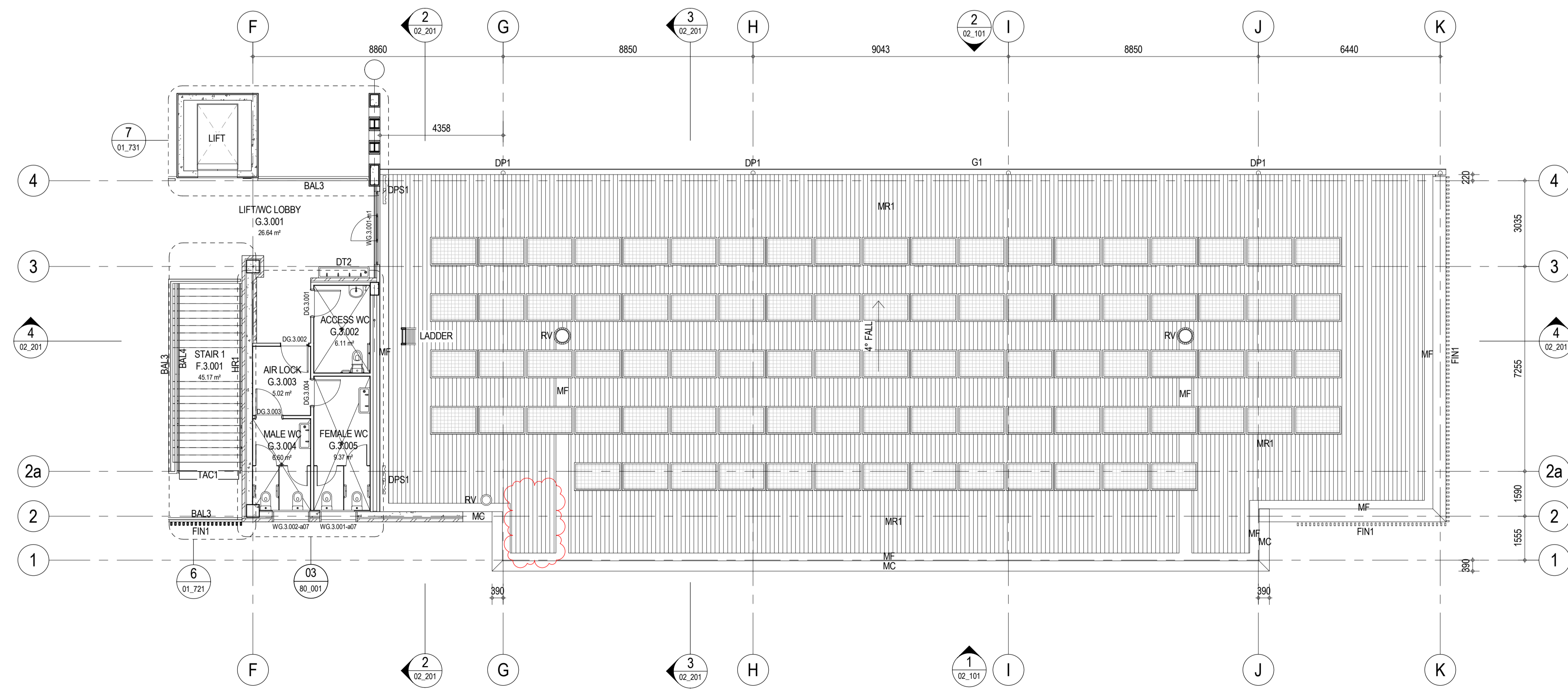
1/09/2022 11:58:27 AM

REV	BY	DATE	DESCRIPTION
A	MW	06.09.21	ISSUED FOR APPROVAL
B	MW	25.11.21	ISSUED FOR TENDER
MW		11.08.22	AMEND CLASSROOM LAYOUT
C	MW	01.09.22	RE-ISSUED FOR TENDER

	STRUCTURAL, CIVIL & HYDRAULICS Woolcoats Consulting Engineers T: 02 9203 1500	BCA Group DLA T: 02 9555 3160	PEDAVOLI ARCHITECTS PTY LTD LEVEL 2, 458-468 WATTLE STREET ULTIMO NSW 2007 AUSTRALIA TEL: +61 2 9291 0000 WEB: WWW.PDVA.COM.AU NOMINATED ARCHITECT: VINCE PEDAVOLI NSW REG. NO. 5045	GLEDSDOOD HILLS PUBLIC SCHOOL HERITAGE WAY GLEDSDOOD HILLS NSW DRAWING NAME: BLOCK G - PLANS - LOWER GROUND & GROUND FLOOR	PROJECT NORTH 	0 1000 2000 3000 4000 5000 10000 SCALE 1:100 @ A1
	ELECTRICAL, SECURITY & COMMS JHA Consulting Engineers T: 02 9437 1000	LANDSCAPE ARCHITECT Lorna Harrison Pty Ltd T: 02 9555 1147				



FIRST FLOOR 1
1:100



ROOF PLAN 2
1:100

1/09/2022 11:59:01 AM

REV	BY	DATE	DESCRIPTION
A	MW	06.09.21	ISSUED FOR APPROVAL
B	MW	25.11.21	ISSUED FOR TENDER
MW	11.08.22	AMEND CLASSROOM LAYOUT	
C	MW	01.09.22	RE-ISSUED FOR TENDER

STRUCTURAL, CIVIL & HYDRAULICS
Woolcotts Consulting Engineers
T: 02 8203 1500

ELECTRICAL, SECURITY & COMMS
JHA Consulting Engineers
T: 02 9437 1000

MECHANICAL, VERT. TRANSPORT & ESS
JHA Consulting Engineers
T: 02 9437 1000

TRAFFIC
Woolcotts Consulting Engineers
T: 02 8203 1500

BCA
Group DLA
T: 02 8355 3160

LANDSCAPE ARCHITECT
Lorna Harrison Pty Ltd
T: 02 9555 1147

ACCESSIBILITY
JAC Building Consultants
T: 03 9108 6198

PLANNER
DPP Planning
T: 02 9880 6553

PEDAVOLI ARCHITECTS PTY LTD

LEVEL 2,
458-468 WATTLE STREET
ULTIMO NSW 2007 AUSTRALIA
TEL: +61 2 9291 0000
WEB: WWW.PD-ARCH.COM.AU

NOMINATED ARCHITECT:
VINCE PEDAVOLI
NSW REG. NO. 5045

GLEDSDOOD HILLS PUBLIC SCHOOL

HERITAGE WAY GLEDSDOOD HILLS NSW

DRAWING NAME

BLOCK G - PLANS - FIRST FLOOR & ROOF

PROJECT NORTH

0 1000 2000 3000 4000 5000 10000

SCALE 1:100 @ A1

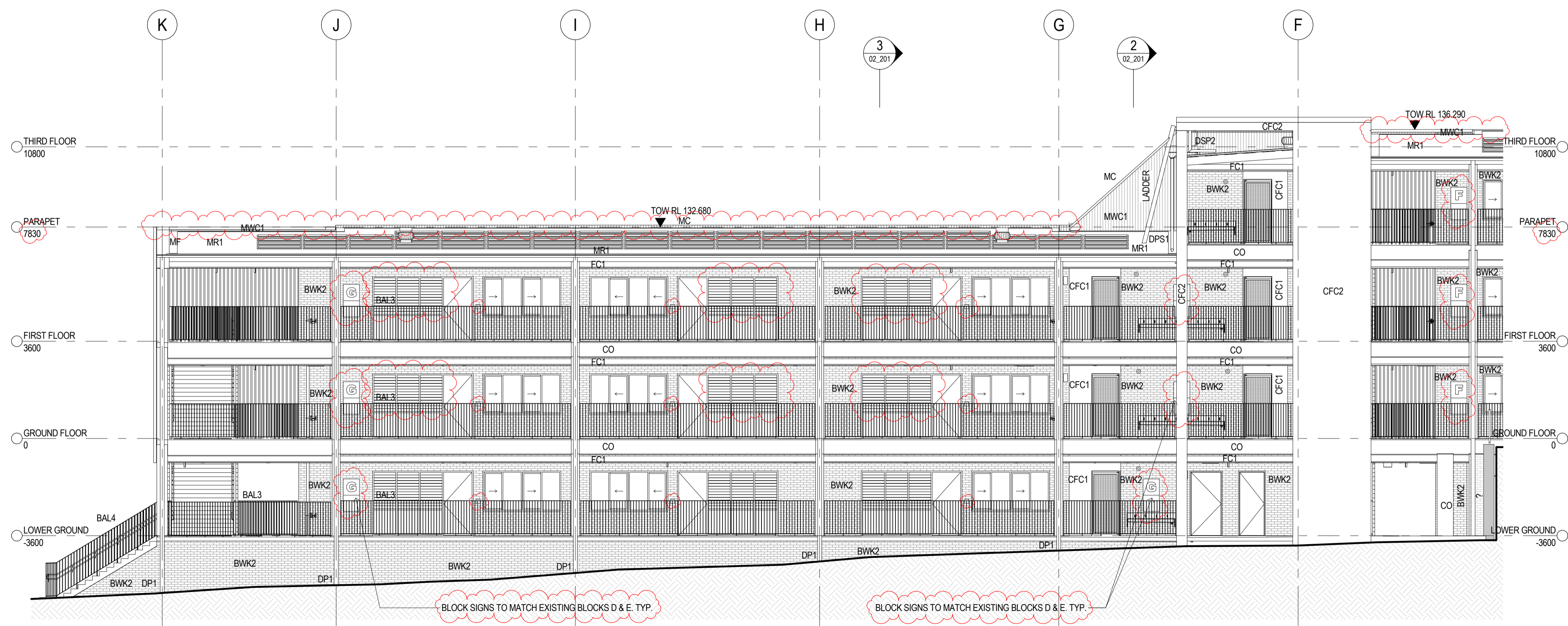
01 SEPTEMBER 2022

DRAWING NUMBER: 3302 - ARC - CD - DWG - 02_012

REVISION: **C**



ELEVATION 1
1:100 02_011



ELEVATION 2
1:100 02_011

1/09/2022 12:00:02 PM

REV	BY	DATE	DESCRIPTION
A	MW	06.09.21	ISSUED FOR APPROVAL
B	MW	25.11.21	ISSUED FOR TENDER
MW	11.08.22	ADD SIGNAGE & LOUVRES TO WINDOWS	
C	MW	01.09.22	RE-ISSUED FOR TENDER

STRUCTURAL, CIVIL & HYDRAULICS Woolcoats Consulting Engineers T: 02 8203 1500	BCA Group DLA T: 02 8555 3160	PEDAVOLI ARCHITECTS PTY LTD LEVEL 2, 458-468 WATTLE STREET ULTIMO NSW 2007 AUSTRALIA TEL: +61 2 9291 0000 WEB: WWW.PDAVOLI.COM.AU
ELECTRICAL, SECURITY & COMMS JHA Consulting Engineers T: 02 9437 1000	LANDSCAPE ARCHITECT Lorna Harrison Pty Ltd T: 02 9555 1147	ACCESSIBILITY JAZ Building Consultants T: 03 9108 6198
MECHANICAL, VERT. TRANSPORT & ESC JHA Consulting Engineers T: 02 9437 1000	PLANNER DPP Planning T: 02 9980 6553	TRAFFIC Woolcoats Consulting Engineers T: 02 8203 1500

NSW GOVERNMENT Education

HERITAGE WAY GLEDSDOOD HILLS NSW

PEDAVOLI ARCHITECTS

GLEDSDOOD HILLS PUBLIC SCHOOL
BLOCK G - ELEVATIONS

0 1000 2000 3000 4000 5000 10000
SCALE 1:100 @ A1
01 SEPTEMBER 2022
DRAWING NUMBER: 3302 - ARC - CD - DWG - 02_101
REVISION: C



LEGEND

- Timber A-Class Hoarding (Milestone 1)
- Site Fencing (Milestone 2 - Car-park)
- Site Entry Gates (vehicles)
- Pedestrian Entry Gate
- PBG Site Amenities (Office)
- Temporary Crossover
- Shared Access way (Milestone 3)
- Crangage and concrete pumping lifting zone
- Material Storage Zone
- Traffic Control
- Temporary DDA Access Pathway to Lift
- Traffic Control Office & Induction Room/Sign In
- Male / Female Site Amenities
- Subcontractor Lunch Rooms
- Perimeter Scaffold
- DDA Compliant Ramp for Schools use.
- First Aid Location
- Fire Extinguishers

GENERAL NOTES:
 -ALL EXISTING & OVERALL DIMENSIONS ARE NOMINAL & SUBJECT TO VERIFICATION ON SITE. WHERE ANY DISCREPANCY OCCURS BETWEEN NEW WORK & EXISTING DIMENSIONS - EXISTING DIMENSIONS/WORK SHOULD TAKE PREFERENCE WHERE NECESSARY. OTHERWISE NOTIFY PATTERSON BUILDING GROUP PTY LTD (PBG).
 -DO NOT SCALE OFF THE DRAWINGS UNLESS OTHERWISE STATED AND USE FIGURED DIMENSIONS IN PREFERENCE.
 -NO RESPONSIBILITY WILL BE ACCEPTED BY THIS COMPANY FOR ANY VARIATIONS IN DESIGN, BUILDERS METHOD OF CONSTRUCTION OR MATERIAL USED, DEVIATION FROM SPECIFICATION WITHOUT PERMISSION OR ACCEPTED WORK PRACTICES RESULTING IN INFERIOR CONSTRUCTION.
 -LOCATE AND PROTECT ALL SERVICES PRIOR TO CONSTRUCTION.
 -ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA, ALL LOCAL AND STATE GOVERNMENT ORDINANCES, RELEVANT AUSTRALIAN STANDARDS, LOCAL ELECTRICITY AND WATER AUTHORITIES REGULATIONS AND ALL OTHER RELEVANT AUTHORITIES CONCERNED.
 -ALL STRUCTURAL WORK AND SITE DRAINAGE TO BE SUBJECT TO ENGINEER'S DETAILS OR CERTIFICATION WHERE REQUIRED BY COUNCIL. THIS SHALL INCLUDE R.C SLABS AND FOOTINGS, R.C AND STEEL BEAMS AND COLUMNS, WIND BRACING TO AS 1170 AND AS 4055, ANCHOR RODS OR BOLTS, TIE DOWNS, FIXING, ETC. DRIVEWAY SLABS AND DRAINAGE TO COUNCIL'S SATISFACTION.
 -ALL TIMBERS TO BE IN ACCORDANCE WITH SAA TIMBER STRUCTURE CODE AS 1720 AND SAA TIMBER FRAMING CODE AS 1684.
 -ALL WORK TO BE CARRIED OUT IN A PROFESSIONAL AND WORKMANLIKE MANNER ACCORDING TO THE PLANS AND SPECIFICATION.
 -SELECTED TERMITE PROTECTION TO BE USED ON SITE IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS, B.C.A. AND ALL RELEVANT AUSTRALIAN STANDARDS.
 -SMOKE DETECTORS TO COMPLY WITH REQUIREMENTS OF SPECIFICATION E.17 (NSW) FIRE AND SMOKE ALARMS SHALL COMPLY WITH AS 3786 AND BE CONNECTED TO THE MAIN POWER SUPPLY.
 -COPYRIGHT CLAUSE:
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ISSUE	AMENDMENT	DATE	INT.
A	Revised fencing layout	16/03/23	
A	Tender	22/12/22	

STANDARD ABBREVIATIONS	BC BRIGHT CHROME	DIH DIMENSION	NTS NOT TO SCALE
D-00 DOOR NUMBER	CJ CONST. JOINT	FORM FORMWORK	THE TO MATCH EXIST
J-00 JOINERY NUMBER	CQ CLEAR	FRS FIRE RESISTANCE LEVEL	TR TRIP POST
W-00 WINDOW NUMBER	CTR CENTRE	PSL FINISHED SLAB RL	TYP TYPICAL
AB ABOVE BENCH	COS CHECK ON SITE	HYD HYDRAULIC	STR STRUCTURAL
AS ABOVE SHELF	DD DESIGN INTENT DWS	IP INGRESS PROTECTION CODE TB	TIMBER BEAM
AS AUSTRALIAN STANDARDS	DEM DEMOLITION	HU HYTE JOINT	TBA TO BE ADVISED
AV AUDIO VISUAL			

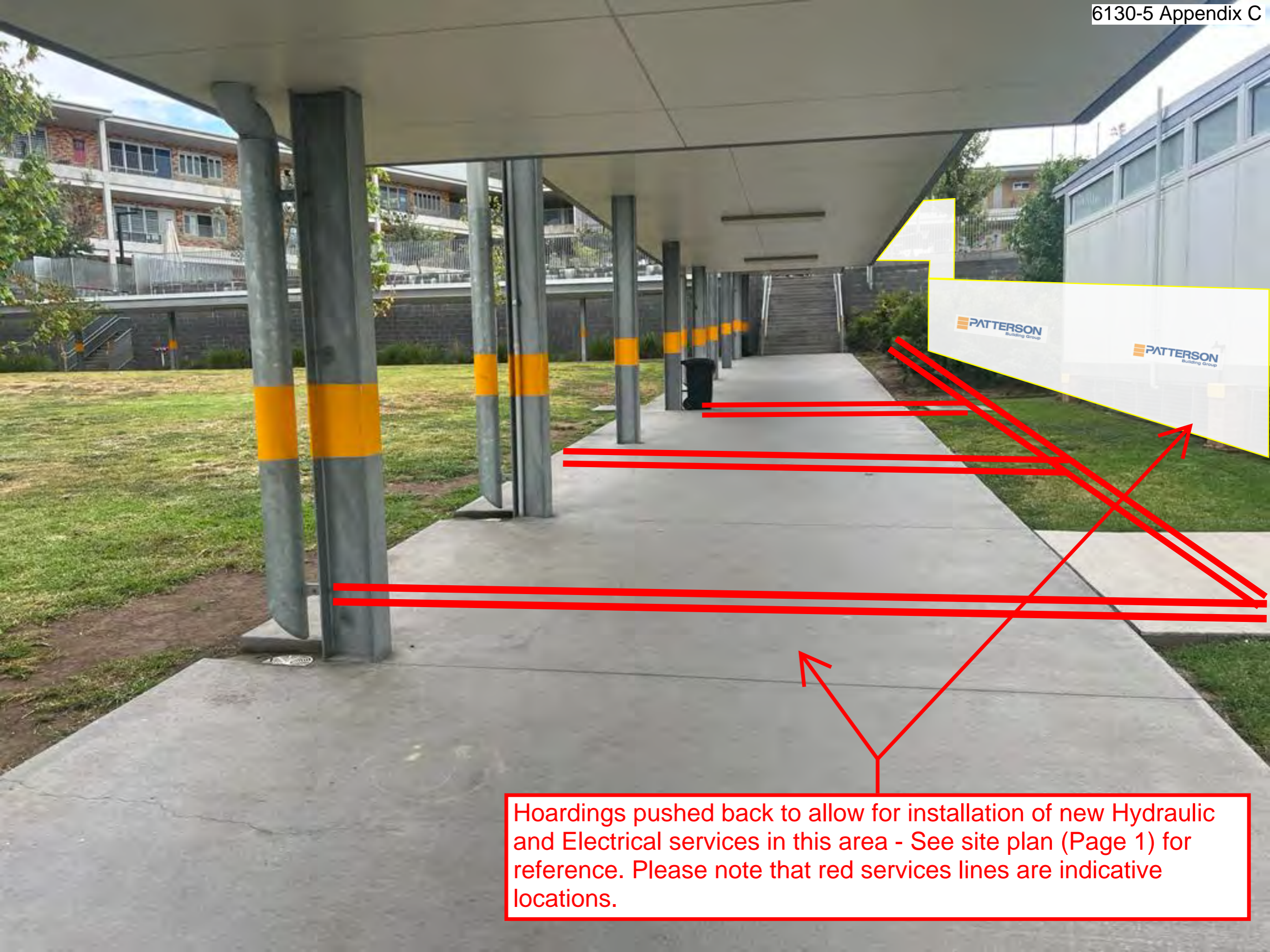
CLIENT SCHOOL INFRASTRUCTURE NSW	ADDRESS HERMITAGE WAY GLEDSWOOD HILLS NSW	SYDNEY SUIT 2, LEVEL 5 189 O'RIORDAN ST MASCOT NSW 2020 PO BOX 1156 MASCOT NSW 1460 P 02 9662 6522 F 02 9662 6533 WWW.PATTERSONBUILD.COM.AU	WOLLONGONG 10 BELMONG ST WOLLONGONG NSW 2500 PO BOX 82 FAIRY MEADOW NSW 2519 P 02 4283 3044 F 02 4283 5122	DRAWN JA	SCALE NTS @ A1
PROJECT GLEDSWOOD HILLS PUBLIC SCHOOL	DRAWING TITLE PROPOSED SITE MANAGEMENT PLAN MILESTONE 1 & 2	DATE 16/03/23	DRAWING NUMBER PBG001	CHECKED RG	JOB NUMBER T2551
			ISSUE B		



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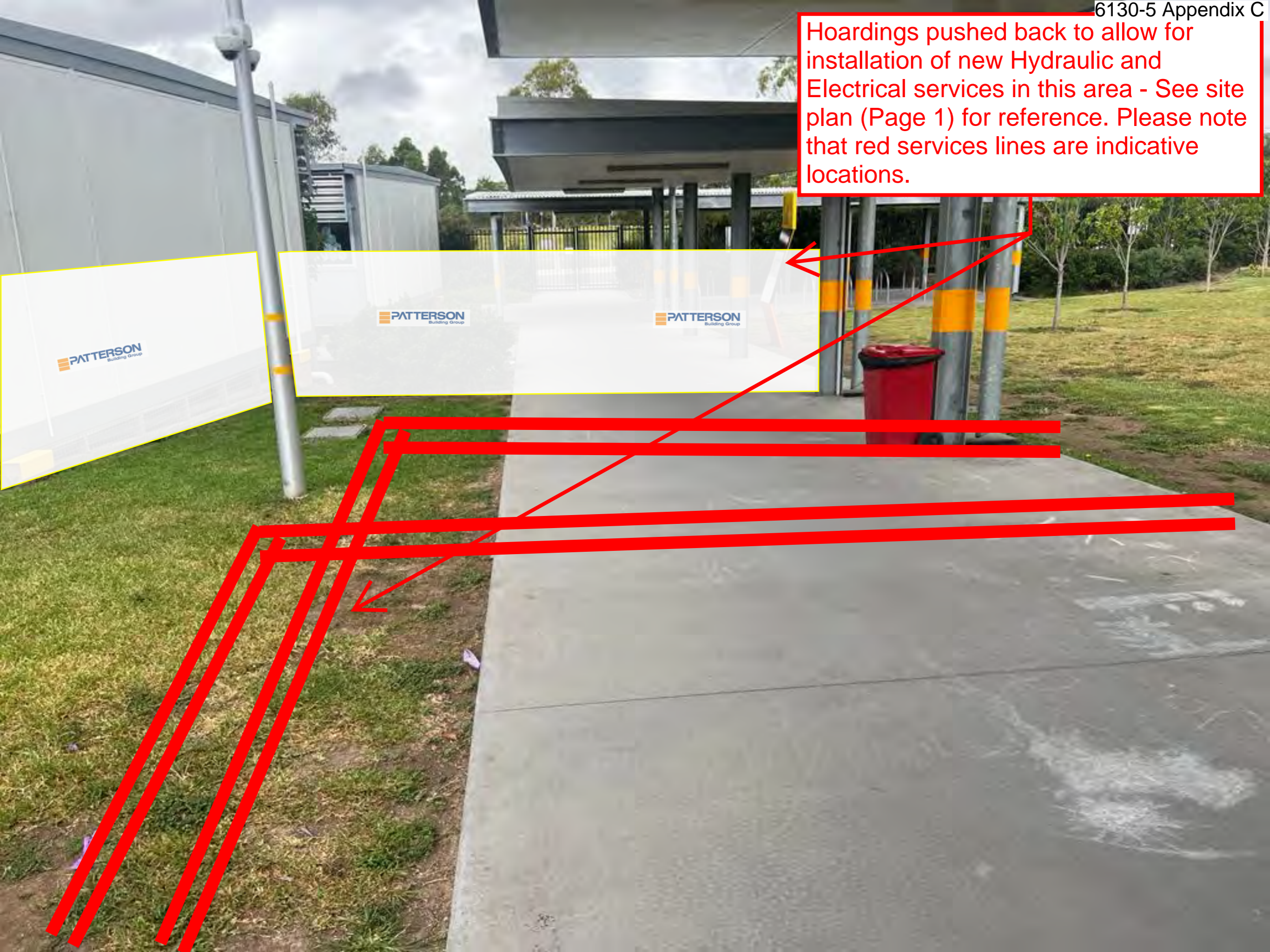
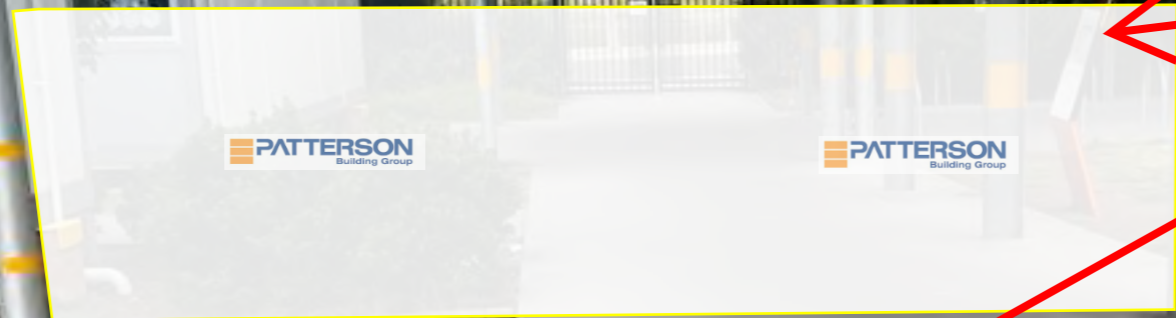
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Hoardings pushed back to allow for installation of new Hydraulic and Electrical services in this area - See site plan (Page 1) for reference. Please note that red services lines are indicative locations.

Hoardings pushed back to allow for installation of new Hydraulic and Electrical services in this area - See site plan (Page 1) for reference. Please note that red services lines are indicative locations.





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New Handrail to be installed as per schools request.

ACOUSTICAL – Pertaining to the science of sound, including the generation, propagation, effects and control of both noise and vibration.

AMBIENT NOISE – The ambient noise level at a particular location is the overall environmental noise level caused by all noise sources in the area, both near and far, including road traffic, factories, wind in the trees, birds, insects, animals, etc.

AUDIBLE – means that a sound can be heard. However, there are a wide range of audibility grades, varying from “barely audible” to “just audible”, “clearly audible” and “prominent”. Chapter 83 of the NSW Environment Protection Authority – Environmental Noise Control Manual (1985) states:

“noise from a particular source might be offensive if it is clearly audible, distinct from the prevailing background noise and of a volume or character that a reasonable person would be conscious of the intrusion and find it annoying or disruptive”.

It follows that the word “audible” in an environmental noise context means “clearly audible”.

BACKGROUND NOISE LEVEL – Silence does not exist in the natural or the built-environment, only varying degrees of noise. The Background Noise Level is the average minimum dBA level of noise measured in the absence of the noise under investigation and any other short-term noises such as those caused by cicadas, lawnmowers, etc. It is quantified by the L_{A90} or the dBA noise level that is exceeded for 90 % of the measurement period (usually 15 minutes).

- **Assessment Background Level (ABL)** is the single figure background level representing each assessment period – day, evening and night (ie three assessment background levels are determined for each 24hr period of the monitoring period). Determination of the assessment background level is by calculating the tenth percentile (the lowest tenth percent value) of the background levels (L_{A90}) for each period (refer: NSW Industrial Noise Policy, 2000).
- **Rating Background Level (RBL)** as specified by the Environment Protection Authority is the overall single figure (L_{A90}) background noise level representing an assessment period (day, evening or night) over a monitoring period of (normally) three to seven days.

The RBL for an assessment period is the median of the daily lowest tenth percentile of L_{90} background noise levels.

If the measured background noise level is less than 30 dBA, then the Rating Background Level (RBL) is considered to be 30 dBA.

DECIBEL – The human ear has a vast sound-sensitivity range of over a thousand billion to one. The decibel is a logarithmic unit that allows this same range to be compressed into a somewhat more comprehensible range of 0 to 120 dB. The decibel is ten times the logarithm of the ratio of a sound level to a reference sound level. See also Sound Pressure Level and Sound Power Level.

Decibel noise levels cannot be added arithmetically since they are logarithmic numbers. If one machine is generating a noise level of 50 dBA, and another similar machine is placed beside it, the level will increase to 53 dBA, not 100 dBA. Ten similar machines placed side by side increase the sound level by 10 dBA, and one hundred machines increase the sound level by 20 dBA.

dBA – The human ear is less sensitive to low frequency sound than high frequency sound. We are most sensitive to high frequency sounds, such as a child’s scream. Sound level meters have an inbuilt weighting network, termed the dBA scale, that approximates the human loudness response at quiet sound levels (roughly approximates the 40 phon equal loudness contour).



However, the dBA sound level provides a poor indication of loudness for sounds that are dominated by low frequency components (below 250 Hz). If the difference between the “C” weighted and the “A” weighted sound level is 15 dB or more, then the NSW Industrial Noise Policy recommends a 5 dBA penalty be applied to the measured dBA level.

dbc – The dbc scale of a sound level meter is similar to the dBA scale defined above, except that at high sound intensity levels, the human ear frequency response is more linear. The dbc scale approximates the 100 phon equal loudness contour.

EQUIVALENT CONTINUOUS NOISE LEVEL, L_{Aeq} – Many noises, such as road traffic or construction noise, vary continually in level over a period of time. More sophisticated sound level meters have an integrating electronic device inbuilt, which average the A weighted sound pressure levels over a period of time and then display the energy average or L_{Aeq} sound level. Because the decibel scale is a logarithmic ratio the higher noise levels have far more sound energy, and therefore the L_{Aeq} level tends to indicate an average which is strongly influenced by short term, high level noise events. Many studies show that human reaction to level-varying sounds tends to relate closely to the L_{Aeq} noise level.

FREE FIELD – This is a sound field not subject to significant reflection of acoustical energy. A free field over a reflecting plane is usually outdoors with the noise source resting on hard flat ground, and not closer than 6 metres to any large flat object such as a fence or wall; or inside an anechoic chamber.

FREQUENCY – The number of oscillations or cycles of a wave motion per unit time, the SI unit being the Hertz, or one cycle per second.

IMPACT ISOLATION CLASS (IIC) – The American Society for Testing and Materials (ASTM) has specified that the IIC of a floor/ceiling system shall be determined by operating an ISO 140 Standard Tapping Machine on the floor and measuring the noise generated in the room below. The IIC is a number found by fitting a reference curve to the measured octave band levels and then deducting the sound pressure level at 500 Hz from 110 decibels. Thus the higher the IIC, the better the impact sound isolation.

IMPACT SOUND INSULATION ($L_{nT,w}$) – Australian Standard AS ISO 717.2 – 2004 has specified that the Impact Sound Insulation of a floor/ceiling system be quantified by operating an ISO 140 Standard Tapping Machine on the floor and measuring the noise generated in the room below. The Weighted Standardised Impact Sound Pressure Level ($L_{nT,w}$) is the sound pressure level at 500 Hz for a reference curve fitted to the measured octave band levels. Thus the lower $L_{nT,w}$ the better the impact sound insulation.

IMPULSE NOISE – An impulse noise is typified by a sudden rise time and a rapid sound decay, such as a hammer blow, rifle shot or balloon burst.

INTRUSIVE NOISE LEVEL, L_{Aeq} – The level of noise from a factory, place of entertainment, etc. in NSW is assessed on the basis of the average maximum noise level, or the L_{Aeq} (15 min). This is the energy average A weighted noise level measured over any 15 minute period.

LOUDNESS – The degree to which a sound is audible to a listener is termed the loudness. The human ear perceives a 10 dBA noise level increase as a doubling of loudness and a 20 dBA noise increase as a quadrupling of the loudness.



MAXIMUM NOISE LEVEL, L_{Amax} – The rms maximum sound pressure level measured on the "A" scale of a sound level meter during a noise survey is the L_{Amax} noise level. It may be measured using either the Fast or Slow response time of the meter. This should be stated.

NOISE RATING NUMBERS – A set of empirically developed equal loudness curves has been adopted as Australian Standard AS1469-1983. These curves allow the loudness of a noise to be described with a single NR number. The Noise Rating number is that curve which touches the highest level on the measured spectrum of the subject noise. For broadband noise such as fans and engines, the NR number often equals the dBA level minus five.

NOISE – Noise is unwanted sound. Sound is wave motion within matter, be it gaseous, liquid or solid. "Noise includes sound and vibration".

NOISE REDUCTION COEFFICIENT – See: "Sound Absorption Coefficient".

OFFENSIVE NOISE - (Reference: Dictionary of the Protection of the Environment Operations Act 1997). *"Offensive Noise means noise:*

- (a) *that, by reason of its level, nature, character or quality, or the time at which it is made, or any other circumstances:*
 - (i) *is harmful to (or likely to be harmful to) a person who is outside the premise from which it is emitted, or*
 - (ii) *interferes unreasonably with (or is likely to interfere unreasonably with) the comfort or repose of a person who is outside the premises from which it is emitted, or*
- (b) *that is of a level, nature, character or quality prescribed by the regulations or that is made at a time, or in other circumstances prescribed by the regulations."*

PINK NOISE – Pink noise is a broadband noise with an equal amount of energy in each octave or third octave band width. Because of this, Pink Noise has more energy at the lower frequencies than White Noise and is used widely for Sound Transmission Loss testing.

REVERBERATION TIME, T_{60} – The time in seconds, after a sound signal has ceased, for the sound level inside a room to decay by 60 dB. The first 5 dB decay is often ignored, because of fluctuations that occur while reverberant sound conditions are being established in the room. The decay time for the next 30 dB is measured and the result doubled to determine the T_{60} . The Early Decay Time (EDT) is the slope of the decay curve in the first 10 dB normalised to 60 dB.

SOUND ABSORPTION COEFFICIENT, α – α Sound is absorbed in porous materials by the viscous conversion of sound energy to heat energy as the sound waves pass through it. Sound is similarly absorbed by the flexural bending of internally damped panels. The fraction of incident energy that is absorbed is termed the Sound Absorption Coefficient, α . An absorption coefficient of 0.9 indicates that 90 % of the incident sound energy is absorbed. The average α from 250 to 2000 Hz is termed the Noise Reduction Coefficient (NRC).

SOUND ATTENUATION – If an enclosure is placed around a machine, or a silencer is fitted to a duct, the noise emission is reduced or attenuated. An enclosure that attenuates the noise level by 30 dBA, reduces the sound energy by one thousand times.

SOUND EXPOSURE LEVEL (SEL) – The total sound energy of a single noise event condensed into a one second duration or in other words it is an L_{eq} (1 sec).



SOUND PRESSURE LEVEL, L_p – The level of sound measured on a sound level meter and expressed in decibels, dB, dBA, dBC, etc. $L_p = 20 \times \log (P/P_0) \dots \text{dB}$

where P is the rms sound pressure in Pascal and P_0 is a reference sound pressure of 20 μPa .
 L_p varies with distance from a noise source.

SOUND POWER LEVEL, L_w – The Sound Power Level of a noise source is an absolute that does not vary with distance or with a different acoustic environment.

$$L_w = L_p + 10 \log A \dots \text{dB, re: } 1\text{pW,}$$

where A is the measurement noise-emission area in square metres in a free field.

SOUND TRANSMISSION CLASS (STC) – An internationally standardised method of rating the sound transmission loss of partition walls to indicate the decibels of noise reduction of a human voice from one side to the other. (Refer: Australian Standard AS1276 – 1979)

SOUND TRANSMISSION LOSS – The amount in decibels by which a random sound is reduced as it passes through a sound barrier. A method for the measurement of airborne Sound Transmission Loss of a building partition is given in Australian Standard AS1191 - 2002.

STATISTICAL EXCEEDENCE SOUND LEVELS, L_{A90} , L_{A10} , L_{A1} , etc – Noise which varies in level over a specific period of time (usually 15 minutes) may be quantified in terms of various statistical descriptors:

The L_{A90} is the dBA level exceeded for 90 % of the time. In NSW the L_{A90} is measured over periods of 15 minutes, and is used to describe the average minimum or background noise level.

The L_{A10} is the dBA level that is exceeded for 10 % of the time. In NSW the L_{A10} measured over a period of 10 to 15 minutes. It was until recently used to describe the average maximum noise level, but has largely been replaced by the L_{Aeq} for describing level-varying noise.

The L_{A1} is the dBA level that is exceeded for 1 % of the time. In NSW the L_{A1} may be used for describing short-term noise levels such as could cause sleep arousal during the night.

STEADY NOISE – Noise, which varies in level by 6 dBA or less, over the period of interest with the time-weighting set to “Fast”, is considered to be “steady”. (Refer AS 1055.1 1997)

WEIGHTED SOUND REDUCTION INDEX, R_w – This is a single number rating of the airborne sound insulation of a wall, partition or ceiling. The sound reduction is normally measured over a frequency range of 100 to 3,150 Hertz and averaged in accordance with ISO standard weighting curves (Refer AS/NZS 1276.1:1999).

Internal partition wall $R_w + C$ ratings are frequency weighted to simulate insulation from human voice noise. The $R_w + C$ is always similar in value to the STC rating value. External walls, doors and windows may be $R_w + C_{tr}$ rated to simulate insulation from road traffic noise. This is normally a lower number than the STC rating value.

WHITE NOISE – White noise is broadband random noise whose spectral density is constant across its entire frequency range. The sound power is the same for equal bandwidths from low to high frequencies. Because the higher frequency octave bands cover a wider spectrum, white noise has more energy at the higher frequencies and sounds like a hiss.





Post Approval Consultation Record

Identified Party to Consult:	Camden Council
Consultation type:	Email Correspondence
When is consultation required?	Prior to Construction Commencement
Why	SSD 8378 Condition B17: The Construction Noise and Vibration Management Sub-Plan (CNVMSP) must address, but not be limited to, the following: (a) be prepared by a suitably qualified and experienced noise expert; (b) describe procedures for achieving the noise management levels in EPA's Interim Construction Noise Guideline (DECC, 2009); (c) describe the measures to be implemented to manage high noise generating works such as piling, in close proximity to sensitive receivers (wherever applicable); (d) include strategies that have been developed with the community for managing high noise generating works; (e) describe the community consultation undertaken to develop the strategies in condition B17(d); and (f) include a complaints management system that would be implemented for the duration of the construction.
When was consultation scheduled/held	Revision A – 19/04/23 plan submission to council officer on 19/04/23
When was consultation held	19/04/23
Identify persons and positions who were involved	Kristie White - Specialist Support Environmental Health Officer
Provide the details of the consultation	Revision A of the Construction Noise and Vibration Management Sub-Plan (CNVMSP) developed by Day Consulting issued to Camden Council on 30/03/23 for review and feedback by the relevant council officer. Plan and proposed controls based on initial acoustic report submissions and updated to consider the live school as a sensitive receiver for Stage 2 construction works.
What specific matters were discussed?	Nil issues identified.
What matters were resolved?	Nil
What matters are unresolved?	Nil
Any remaining points of disagreement?	N/A
How will SINSW address matters not resolved?	N/A

From: [Chris Sposito](#)
To: ["Kristie White"](#)
Subject: RE: Gledswood Public School Stage 2 - CEMP & Consultation
Date: Wednesday, 19 April 2023 3:38:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[6130-5.1R Rev A.pdf](#)

Hi Kristie,

Thank you for your response.

I also have one more management plan that I believe you may be best placed to cast your eyes over for council input, being the Construction Noise & Vibration Management Sub-Plan for the Stage 2 works.

This has been prepared by the consultant who completed the original Acoustic Assessment Report for the development back in 2018 so there isn't any major changes to the proposed mitigation measures, except for identifying additional sensitive receivers being the live school which wasn't originally a consideration for stage 1.

Thank you for your assistance.

Regards,

Chris Sposito
HSEQ Manager
Mobile: 0408 625 030



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From: Kristie White <Kristie.White@camden.nsw.gov.au>
Sent: Tuesday, April 18, 2023 11:42 AM
To: Chris Sposito <chriss@pattersonbuild.com.au>
Subject: RE: Gledswood Public School Stage 2 - CEMP & Consultation

Hi Chris,

Thankyou for your reports.

I have forwarded on the Construction traffic management and stormwater management contained in the construction soil and water management plans on to the appropriate people in Council to review.

It is noted that some of the SSD consent conditions require to be submitted with the private certifier as well.

I have reviewed the CEMP and are satisfied from a Council point of view that the condition has been covered.

Regards,

Kristie White
Specialist Support Environmental Health Officer



70 Central Avenue, Oran Park, 2570
(02) 4654 7760
www.camden.nsw.gov.au

PO Box 183, Camden NSW 2570
kristie.white@camden.nsw.gov.au



Camden Council acknowledges the traditional custodians of the lands on which we meet and pay our respect to elders both past and present.



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From: Chris Sposito <chriss@pattersonbuild.com.au>
Sent: Thursday, 30 March 2023 7:14 PM
To: Council Mailbox <Council.Mailbox@camden.nsw.gov.au>
Cc: Kurt Lanner <kurtl@pattersonbuild.com.au>; Tim Baldwin <timb@pattersonbuild.com.au>; Alex Warner <alexw@pattersonbuild.com.au>
Subject: Gledswood Public School Stage 2 - CEMP & Consultation

Warning - This email originates from an external organisation

Good Evening,

Patterson Building Group have been recently appointed as the head contractor for construction of Gledswood Public School Stage 2.

We have commenced preparing the respective management plans required under the and in accordance with the SSD compliance conditions require consultation for the Construction Environmental Management Plan (CEMP) & Construction Soil and Water Management Plan (CSWMSP)

Could you please forward on the attached to the relevant representative within council for review and comments as necessary?

Thank you for your assistance.

Regards,

Chris Sposito
HSEQ Manager
Mobile: 0408 625 030



Sydney

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	Construction Environmental Management Plan – 626 - Gledswood Hills Public School – Stage 2	E1
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25.4 Appendix E4 – Construction & Demolition Waste Management Sub-Plan

**SSD 8378 – Construction of Gledswood Hills Public School –
Submission of Construction & Demolition Waste Management Sub-Plan in
accordance with Condition B18.**

Please refer to the below **SSD 8378 GHPS Condition Satisfaction Table** in relation to the above condition requirements and location within the CDWMSP attached herewith this letter.

SSDA Ref.	SSDA Condition Requirement	Documentation Reference
B18	<i>The Construction and Demolition Waste Management Sub-Plan (CDWMSP) must address, but not be limited to, the following:</i>	CEMP Appendix E4 Revision 1 – 3.04.2023
	(a) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and	Construction Waste Phase Estimates (Section 8 – Pg. 8-9)
	(b) removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of any building works.	Hazardous Materials Mgt. (Section 7 – Pg. 7)

If you require clarification of any aspect of our submission, please do not hesitate to contact me.

Yours faithfully,



Chris Sposito
HSEQ Manager
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Construction & Demolition Waste Management Sub-Plan

626 - Gledswood Hills Public School – Stage 2

Client:	School Infrastructure NSW (SINSW)
Project Address:	78 The Hermitage Way, Gledswood Hills NSW 2557
Prepared By:	Chris Sposito – HSEQ Manager
Revision & Date:	1 – 3/04/2023

TABLE OF CONTENTS

1	INTRODUCTION	3
2	SCOPE OF WORKS	3
3	LEGAL & COMPLIANCE OBLIGATIONS	4
4	PURPOSE & OBJECTIVES	4
5	PROJECT TEAM RESPONSIBILITIES	5
6	PROJECT WASTE MANAGEMENT REQUIREMENTS	5
	6.1 Waste Storage Requirements	5
	6.2 Waste Reduction & Reuse	6
	6.3 Recycling of Materials:	6
	6.4 Non-recyclable Waste:	6
	6.5 Excavation Generated Material & Off-Site Disposal:	7
7	HAZARDOUS MATERIAL MANAGEMENT	7
8	CONSTRUCTION PHASE WASTE ESTIMATES	8
	8.1 Site Clearing & Excavation	8
	8.2 Construction of Blocks E, G & Carpark Extension	9
9	WASTE MANAGEMENT COMPLIANCE	10
10	APPENDICIES	11
	10.1 Appendix A – Proposed Truck Routes to Waste Facilities – B24	11
	10.2 Appendix B – TfNSW Traffic Management Centre Notification	16
	10.3 Appendix C – Site Management Plan	17

1 INTRODUCTION

This Construction & Demolition Waste Management Sub-Plan (CDWMSP) defines the Patterson Building Group (PBG) system for the management of waste generated during construction and demolition activities for the **Gledswood Hills Public School – Stage 2**.

The purpose of this CDWMSP is to:

- ≡ Detail the quantities of each waste type generated during demolition & construction and the proposed reuse, recycling and disposal locations; and
- ≡ Removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of construction.
- ≡ Identify, quantify and classify the likely waste streams that will be generated during the construction.
- ≡ Identify the measures to be implemented to manage, reuse, recycle and safely dispose of the waste.
- ≡ Identify appropriate servicing arrangements, including waste management and loading zones for the site.

2 SCOPE OF WORKS

The project involves the design, documentation, and construction of the Gledswood Hills Public School Stage 2 which includes the following:

- ≡ **Milestone 1 - Design Finalisation:**
 - Engagement of relevant consultants to complete Detailed Design, including adherence to Educational Facilities Standards and Guidelines (EFSG) and incorporation of Technical Stakeholder Group (TSG) and Project Reference Group (PRG) complete these works;
 - Obtain Crown Building Approval prior to commencement.
- ≡ **Milestone 2 – Construction of Two block (E & G) consisting of 20 learning spaces;**
 - Construction of two new three storey buildings consisting of 20 learning spaces;
 - Associated external works including hard and soft scapes;
- ≡ **Milestone 3 – Removal of demountable buildings and expansion of existing on-site carpark to 75 car spaces;**

The project is located at Hermitage Way, Gledswood Hills, NSW, 2557.



Figure 1 - Site Location

3 LEGAL & COMPLIANCE OBLIGATIONS

Mandatory compliance obligations and requirements relevant to the project are outlined below.

Relevant key legislation and guidelines applicable to the project include:

- ≡ Protection of the Environment Operations Act 1997
- ≡ Protection of the Environment (General) Operations Act 1998
- ≡ Waste Avoidance and Resource Recovery Act 2014
- ≡ Protection of the Environment Operations (Waste) Regulation 2014
- ≡ Waste Classification Guidelines (EPA, 2014)
- ≡ NSW Department of Planning and Environment, Secretary's Environmental Assessment Requirements (SEARs).
- ≡ DECCW's Waste Classification Guidelines (2008)

Procedure **L1 – Legal Requirements NSW** outlines the process that the organisation uses to determine legal and other mandatory requirements.

All personnel associated with the project will comply with all relevant requirements including:

- ≡ Laws (Acts, regulations, and policies)
- ≡ Environment protection licence and permits
- ≡ Development consents
- ≡ Relevant industry standards and codes.
- ≡ Contract requirements
- ≡ Other compliance obligations outline in this CEMP, including any voluntary compliance obligations.

An assessment of the relevant legislative requirements applicable to this project has been completed by the Project Manager during the development of the Project Management Plan which can be found in **PMP Appendix A3 – Legal & Other Requirements Register - Environmental**.

A copy of relevant permits, licences, and any development approvals relevant to PBG's activities will be kept on-site.

4 PURPOSE & OBJECTIVES

The purpose of the CWMS is to address and satisfy conditions of the State Significant Development Approval **SSD 8378 - New Gledswood Hills Public School** conditions B14d, B18 & B24.

Requirements of these conditions are outlined in CEMP Section 3.1 (B14d) and in the table below:

SSD Ref.	SSD Condition Summary	Documentation Reference
B18	The Construction and Demolition Waste Management Sub-Plan (CDWMSP) must address, but not be limited to, the following:	CEMP Appendix E4 Revision 1 – 3.04.2023
	(a) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and	Construction Waste Phase Estimates (Section 8 – Pg. 8-9)
	(b) removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of any building works.	Hazardous Materials Mgt. (Section 7 – Pg. 7)
B24	The Applicant must notify the RMS Traffic Management Centre of the truck route(s) to be followed by trucks transporting waste material from the site, prior to the commencement of the removal of any waste material from the site.	CDWMSP Appendix A - Proposed Truck Routes to Waste Facilities – B24 App B – Consultation Appendix E3 - CTPMSP

The key objective of this plan is to encourage the management and reduction of waste to minimise the loss of natural resources and landfill space, by implementing the following measures and targets:

- ≡ Emphasise the importance of recycling and waste reduction;
- ≡ Encourage the use of recycled materials where it is reasonably practical;
- ≡ Minimise the use of packaging materials and recycle packaging materials where possible;
- ≡ Waste concrete to be sent to a concrete recycling plant where possible;
- ≡ Separate removed native vegetation from general construction waste, mulch and stockpile for re-use; and
- ≡ Dispose of any non-recyclable general waste at approved waste disposal facilities.
- ≡ Minimise the amount of waste being deposited to landfill with targets to reuse or recycle at least 90% of construction and demolition waste as per the EFSG DG02 2.7.1 Construction and demolition waste requirements.

5 PROJECT TEAM RESPONSIBILITIES

Key Actions and Responsibilities for the effective implementation of the CDWMSP are detailed in the table below:

Action	Responsibility
Implementation of the CDWMSP	PBG Project Manager
Document and implement control measures through project risk assessment.	PBG Project Manager, Site Manager and Subcontractors
Supervise the implementation of mitigation measures.	PBG Site Manager
Implement methodology for managing and/or disposing construction waste.	PBG Project Manager and Waste Contractor
Monitor and report on performances and effectiveness of waste and recycling strategies.	PBG Project Manager and Waste Contractor
Maintain internal records of inspection, monitoring and reviews.	PBG Project Manager
Identify and report on non-conformances and incidents.	HSEQ Manager
Investigate and implement corrective actions to prevent incidents from re-occurring.	PBG Project Manager and HSEQ Manager

6 PROJECT WASTE MANAGEMENT REQUIREMENTS

6.1 Waste Storage Requirements

There will be a designated waste storage area for the disposal and storage of construction waste prior to collection within the storage area shown on the site management plan. This area will be located conveniently for workers to use the bins as well as for waste contractors to collect.

Other general requirements for waste management onsite include:

- ≡ Construction waste storage is contained wholly within the site.
- ≡ The routes for movement of waste between work site and waste storage area are to be kept obstruction-free.

- ≡ The routes for movement of bins and waste between storage and collection points are marked in the site management plan and will be kept obstruction-free.
- ≡ The waste bin collection point provided will be accessible for waste collection vehicles, with no obstructions to turning or reversing, pulling up vehicles and lifting bins.
- ≡ All waste not being reused on site will be removed during, or at the completion of, the construction stage.
- ≡ Access for waste collection vehicles will not be compromised by construction-related activities vehicles or other consequences of construction staging.
- ≡ All waste not being reused on site will be removed during, or at the completion of, the construction stage.
- ≡ In order to manage noise levels, collection of waste from the construction site will only occur during hours approved for construction work.
- ≡ All vehicles entering or leaving the site must have their loads covered.
- ≡ All vehicles, before leaving the site, to be cleaned of dirt, sand and other materials, to avoid tracking these materials onto public roads.
- ≡ At the completion of the works, the work site is left clear of waste and debris.

6.2 Waste Reduction & Reuse

Construction Materials and off-cuts can be reused on-site. An area within the site storage area will be allocated for the storage of materials to be reused.

These items include:

- ≡ Clean fill will be reused on-site after verification by soil testing and Waste Classification.
- ≡ Plastic buckets
- ≡ Timber pallets, crates and off cuts
- ≡ Paint brushes and rollers
- ≡ Plasterboard offcuts
- ≡ Cardboard boxes

6.3 Recycling of Materials:

Where appropriate, recycling of materials may be performed during the construction phase the project in the following manner:

- ≡ Where relevant and feasible, recyclable material generated from the project may be collected in designated bins for transport to an appropriate recycling facility.
- ≡ Scrap metal bins will be provided for the collection of any scrap metal. This metal will then be transported to a metal recycling facility.
- ≡ Timber formwork shall be reused as many times as possible to avoid the excessive generation of timber waste.
- ≡ Concrete (waste and/or rejected) shall be stored separately in a designated area within the site.
- ≡ Wherever possible, this concrete may either be utilised on site in the form of fill or disposed of in an appropriate recycling facility.
- ≡ Excavated material from site shall be stored separately according to material type and either used to backfill or disposed within an approved waste facility.
- ≡ Where appropriate, recycled materials will be incorporated into the construction works.

PBG's waste management contractor Dump It will provide these services and ensure that there are adequate numbers of clearly marked bins on site to enable effective separation of the materials listed above.

6.4 Non-recyclable Waste:

Non-recyclable waste will be disposed of at the EPA approved landfill or transfer station nominated by PBG's waste management contractor in Appendix A of this CDWMSP.

6.5 Excavation Generated Material & Off-Site Disposal:

Fill materials shall be classified in accordance with Waste Classification Guidelines Part 1: Classifying Waste, November 2014 (EPA 2014) or an appropriate exemption as created under the Protection of the Environment Operations (Waste) Regulation 2014.

It is anticipated natural soils/bedrock will require off-site disposal and these shall also be classified in accordance with Waste Classification Guidelines Part 1: Classifying Waste, (EPA 2014).

Waste certificates will be prepared for each material type that is to be disposed of. All off-site waste facilities used must be lawfully licensed to receive the materials sent to them for disposal.

The excavation contractor must be aware of and conduct all waste disposal in accordance with all relevant regulations.

All waste tracking documentation including disposal dockets must be maintained by the subcontractor and provided to PBG at the earliest convenience for record keeping and reporting purposes.

7 HAZARDOUS MATERIAL MANAGEMENT

Although it is unlikely that hazardous materials will be encountered during construction works due to site preparation works were undertaken during stage 1, the likelihood of encountering hazardous materials is low. Despite this, PBG will implement the Unexpected Finds Protocols for Asbestos and Contaminated Ground included within Section 14 of the CEMP and follow the below requirements for the transport and removal of asbestos waste:

- ≡ The removal and disposal of asbestos will be managed in accordance with the Work Health and Safety Act 2011 (WHS Act) and WHS Regulation, How to Safely Remove Asbestos: Code of Practice (Safe Work NSW 2019a13), How to Manage and Control Asbestos in the Workplace Code of Practice (Safe Work NSW 2019b14), the NSW EPA (2014) Waste Classification Guidelines, and requirements under the Protection of the Environment Operations (Waste) Regulation (2014) for asbestos waste monitoring.
- ≡ Excavation, onsite remediation and removal of asbestos impacted soils are required to be conducted by a Class A (during removal of friable asbestos) or a minimum of Class B (during removal of bonded ACM) Asbestos Removal licensed contractor. It will be the requirement of the appointed civil works contractor to obtain the appropriate approvals (as outlined below) and prepare an Asbestos Removal Control Plan (ARCP)
- ≡ All airborne asbestos fibre monitoring works must be undertaken by a Licenced Asbestos Assessor, in accordance with SafeWork NSW requirements.
- ≡ Before starting works, a licensed asbestos removal contractor shall be responsible for submitting the appropriate SafeWork NSW notification (friable or non-friable) to remove asbestos at least five business days prior to the proposed works where required.
- ≡ Removal of non-friable ACM (>10 m²) is required to be conducted by a contractor holding at least a Class B licence. Removal for friable asbestos is required to be conducted by a contractor holding a Class A licence.
- ≡ A visual inspection and testing of air monitoring samples must be completed by the LAA with a clearance certificate issued prior to recommencing construction works within the affected area

The requirements for the transportation of asbestos waste include:

- ≡ Bonded asbestos material must be securely packaged at all times
- ≡ Friable asbestos material must be kept in a sealed container
- ≡ Asbestos-contaminated soils must be wetted down
- ≡ All asbestos waste must be transported in a covered, leak-proof vehicle

8 CONSTRUCTION PHASE WASTE ESTIMATES

8.1 Site Clearing & Excavation

Material Type Onsite	Estimated Volume (m3) or Weight (t)			Onsite Treatment	Off-Site Treatment	
	Reuse	Recycle	Disposal	Proposed reuse and/or recycling collection methods	Disposal Contractor	Waste Depot, Recycling Outlet or Landfill site
Concrete		46m3		Separated into bins/tipper onsite	TBA	Boral Recycling Wetherill Park
Asphalt		0.5m3		Separated into bins/tipper onsite	TBA	Boral Recycling Wetherill Park
Metals		5m3		Separated into bins/tipper onsite	TBA	Sell & Parker Kings Park
Green Waste - GSW CT1 Recyclable Classification		239m3		Separated into bins/tipper onsite	TBA	Boral Recycling Wetherill Park
Excavated Natural Material (ENM)		102m3		Separated into bins/tipper onsite	TBA	Reuse by Excavation Contractor or Budget Waste Recycling Arndell Park
Totals		392.5m3				

8.2 Construction of Blocks E, G & Carpark Extension

Material Type Onsite	Estimated Volume (m3) or Weight (t)			Onsite Treatment	Off-Site Treatment	
	Reuse	Recycle	Disposal	Proposed reuse and/or recycling collection methods	Disposal Contractor	Waste Depot, Recycling Outlet or Landfill site
Asphalt/Concrete/Brick/Block/Tile		32m3		Co-mingled Bins	Dump It	Boral Recycling Wetherill Park
Metals		8m3		Co-mingled Bins	Dump It	Sell & Parker Kings Park
Plasterboard		15m3		Co-mingled Bins	Dump It	Cleanaway ResourceCo Wetherill Park
Plastic (Packaging & Containers)		12m3		Co-mingled Bins	Dump It	Cleanaway ResourceCo Wetherill Park
Timber		5m3		Co-mingled Bins	Dump It	Cleanaway ResourceCo Wetherill Park
Glass		1m3		Co-mingled Bins	Dump It	Cleanaway ResourceCo Wetherill Park
General Waste			40m3	Co-mingled Bins	Dump It	Suez Resources and Recovery Seven Hills
Liquid Waste			5m3	Separate Container	Dump It	Suez Resources and Recovery Seven Hills
Paper & Cardboard		10m3		Co-mingled Bins	Dump It	Doyle Bros
Totals		83m3	45m3			

9 WASTE MANAGEMENT COMPLIANCE

The current legislation determines that the generator of waste is the owner of the waste until the waste crosses a calibrated weighbridge into a licensed facility. Waste contractors to construction contractors are the primary transporters of waste off-site, accordingly, waste contractors will be required to provide verifiable monthly reports on waste reused, reprocessed or recycled (diverted from landfill) or waste sent to landfill.

These reports have a direct bearing on the generator's compliance with the relevant regulations.

The CDWMSP will be implemented on-site throughout the demolition, excavation and construction phases of this project in full.

A Waste Data File must be maintained on-site and all entries are to include:

- ≡ The classification of the waste
- ≡ The time and date of material removed
- ≡ A description of and the volume of waste collected
- ≡ The location and name of the waste facility that the waste is transferred to
- ≡ The vehicle registration and the name of the waste contractor's company

The Waste Data File will be made available for inspection to any authorised officer at any time during the construction project.

At the conclusion of site works, the designated person will retain all waste documentation and make this validating documentation available for inspection.

Arrangement's will be made with the Waste Contractor to increase bin supply if there is an unexpected increase in waste generation.

10 APPENDICIES

10.1 Appendix A – Proposed Truck Routes to Waste Facilities – B24

PBG has appointed Dumpit Bins to provide waste management service for the **Gledswood Hills PS – Stage 2** project, including the collection and transport from site to the nominated facilities using the proposed truck routes in Tables 1 & 2 below.

In compliance with **SSD 8378 - New Gledswood Hills Public School Condition B24 – The Applicant must notify the RMS Traffic Management Centre of the truck route(s) to be followed by trucks transporting waste material from the site, prior to the commencement of the removal of any waste material from the site**, this appendix identifying the proposed waste management facilities and the proposed truck routes from site that was issued to the Transport Management Centre via the Transportnsw.info website general enquiries section on 3/04/2023 with case reference number: 01762040 provided.

Table 1: Proposed Waste Management Facilities:

Destination Facility	Site Address	EPA License No.	Waste Stream
Boral Recycling Wetherill Park	38a Widemere Rd, Wetherill Park	11815	Concrete, Brick, Tiles
Budget Waste Recycling	311 Doonside Rd, Arndell Park	20645	Fill/ENM
Cleanaway ResourceCo	35-37 Frank St, Wetherill Park	20937	Mixed C & D
Cleanaway Resource Recovery Park	1725 Elizabeth Dr, Kemps Creek NSW 2178	4068	Hazardous/Asbestos
Doyle Bros	87-91 Lisbon St, Fairfield East	20646	Cardboard, Paper
Sell & Parker	45 Tattersall Rd, Kings Park	11555	Metals
Suez Resources and Recovery	29 Powers Road, Seven Hills	4571	Organics/Landfill

Table 2: Proposed Truck Routes to Nominated Facilities:

Boral Recycling – Wetherill Park:

36 min (27.3 km)
via Camden Valley Way and Cowpasture Rd
Best route now due to traffic conditions

Gledswood Hills Public School
78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
i Go through 1 roundabout
 1 min (600 m)
- > Follow Camden Valley Way and Cowpasture Rd to Elizabeth St in Wetherill Park
 28 min (23.5 km)
- > Continue on Elizabeth St to Widemere Rd
 5 min (2.6 km)
- > Continue on Widemere Rd to Wetherill Park
 51 sec (500 m)
- ← Turn left
▲ Partial restricted-usage road
i Destination will be on the right
 54 sec (150 m)

Boral Recycling
39a Widemere Rd, Wetherill Park NSW 2164

Budget Waste Recycling – Arndell Park:

35 min (32.2 km)
via Camden Valley Way and M7
Fastest route now due to traffic conditions
▲ This route has tolls.
▲ This route has restricted usage or includes private roads.

Gledswood Hills Public School
78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
i Go through 1 roundabout
 1 min (600 m)
- > Follow Camden Valley Way to Cowpasture Rd
 10 min (9.3 km)
- > Get on M7 in Middleton Grange
 6 min (4.5 km)
- > Follow M7 to The Horsley Dr in Horsley Park. Take the The Horsley Dr exit from M7
 6 min (8.8 km)
- > Take Chandos Rd and Ferrers Rd to Great Western Hwy/A44 in Eastern Creek
 10 min (8.4 km)
- ↪ Turn right onto Great Western Hwy/A44
 40 sec (200 m)
- > Drive to your destination
 1 min (350 m)

Budget Waste Control
311 Doonside Rd, Arndell Park NSW 2148

Cleanaway ResourceCo – Wetherill Park:

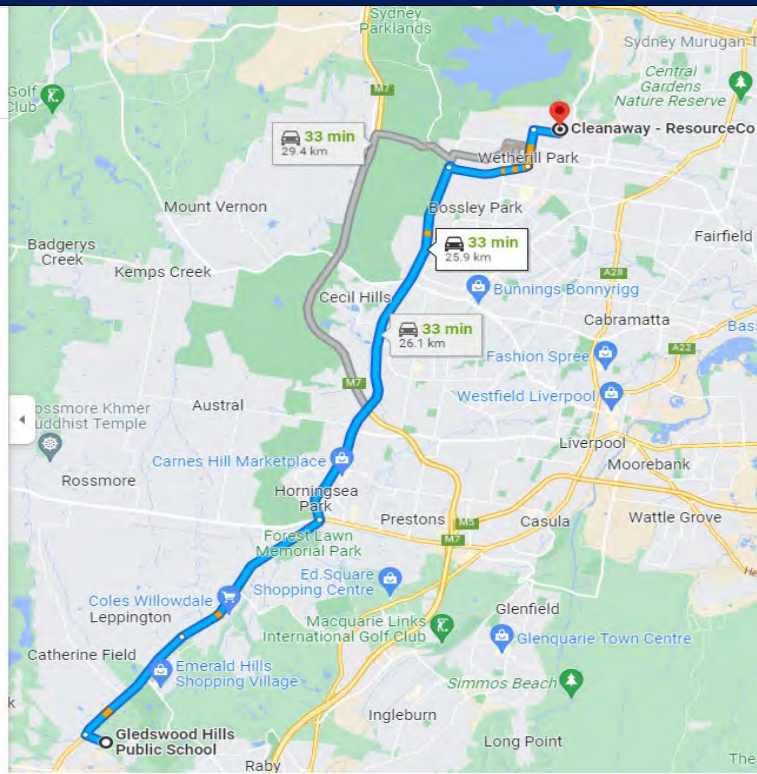
33 min (25.9 km)

via Camden Valley Way and Cowpasture Rd
Best route now due to traffic conditions

Gledswood Hills Public School
78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
Go through 1 roundabout
600 m
- ↪ Use the right 2 lanes to turn right onto Camden Valley Way
4.0 km
- ↪ Keep right to stay on Camden Valley Way
5.3 km
- ↑ Continue straight onto Cowpasture Rd
11.9 km
- ↻ At the roundabout, take the 3rd exit onto The Horsley Dr
2.2 km
- ↵ Turn left onto Elizabeth St
1.2 km
- ↪ Turn right onto Frank St
700 m

Cleanaway - ResourceCo
35-37 Frank St, Wetherill Park NSW 2164



Cleanaway Resource Recovery Park – Kemps Creek:

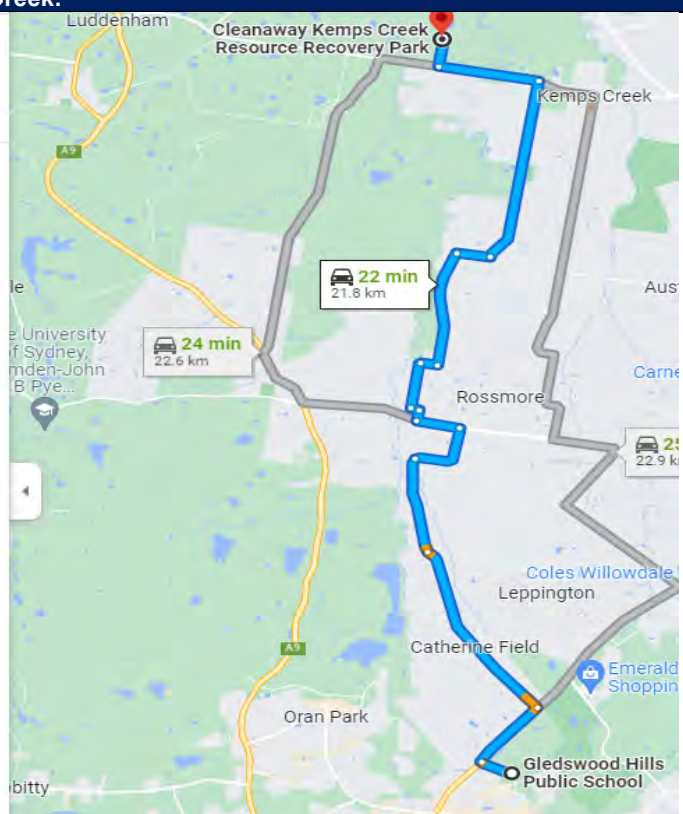
22 min (21.8 km)

via Deepfields Rd
Fastest route now due to traffic conditions

Gledswood Hills Public School
78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
Go through 1 roundabout
1 min (600 m)
- > Take Deepfields Rd and Barry Ave to Masterfield St in Rossmore
9 min (9.9 km)
- > Take Ramsay Rd and Western Rd to Elizabeth Dr in Kemps Creek
9 min (8.9 km)
- ↵ Turn left onto Elizabeth Dr
2 min (1.9 km)
- > Drive to your destination
2 min (650 m)

Cleanaway Kemps Creek Resource Recovery Park
1725 Elizabeth Dr, Kemps Creek NSW 2178



Doyle Bros – Fairfield East:

36 min (37.1 km)

via M5

Fastest route now due to traffic conditions

▲ This route has tolls.

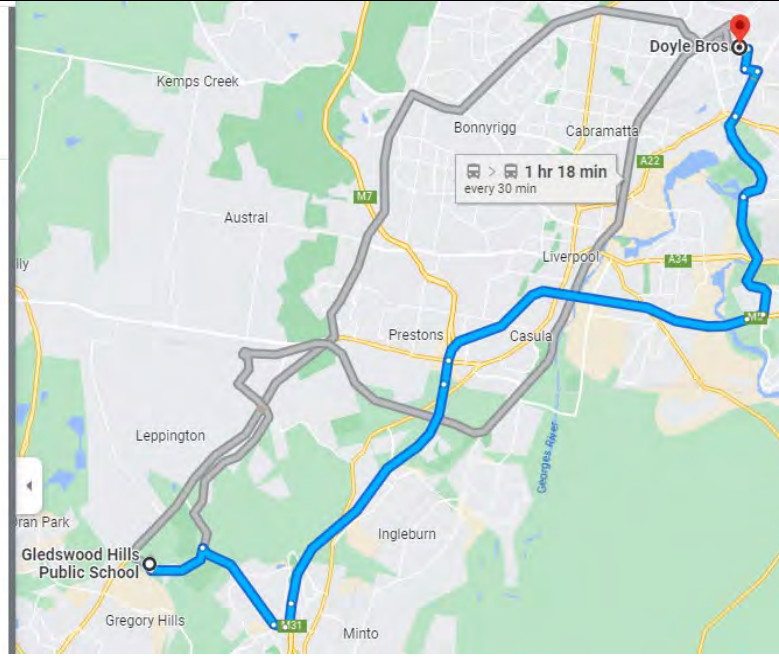
Gledswood Hills Public School

78 The Hermitage Way, Gledswood Hills NSW 2557

- > Get on Hume Motorway/M31 in Raby from Gledswood Hills Dr and Raby Rd
8 min (6.7 km)
- > Follow Hume Motorway/M31 and M5 to Henry Lawson Dr in Milperra. Take the Henry Lawson Dr exit from M5
12 min (20.1 km)
- > Continue on Henry Lawson Dr to your destination in Fairfield East
16 min (10.3 km)

Doyle Bros

87-91 Lisbon St, Fairfield East NSW 2165



Sell & Parker – Kings Park:

41 min (39.2 km)

via Camden Valley Way and M7

▲ This route has tolls.

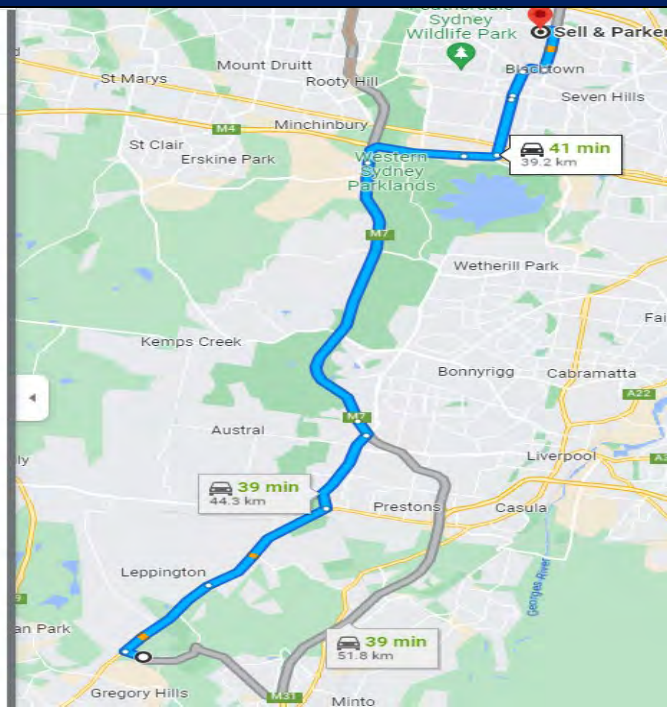
Gledswood Hills Public School

78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
Go through 1 roundabout
1 min (600 m)
- > Follow Camden Valley Way to Cowpasture Rd
10 min (9.3 km)
- > Get on M7 in Middleton Grange
6 min (4.5 km)
- > Continue on M7 to Huntingwood. Take the exit for Reservoir Rd from M4
12 min (17.7 km)
- > Continue on Reservoir Rd. Take Sunnyholt Rd to Tattersall Rd in Kings Park
13 min (7.1 km)

Sell & Parker

45 Tattersall Rd, Kings Park NSW 2148



Suez Resources and Recovery – Seven Hills:

44 min (41.8 km)

via M7

Best route now due to traffic conditions

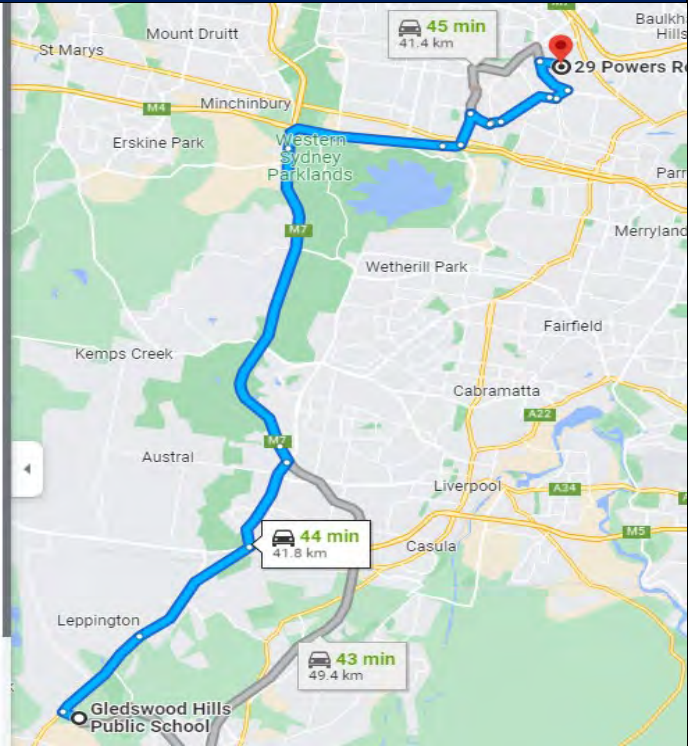
▲ This route has tolls.

Gledswood Hills Public School

78 The Hermitage Way, Gledswood Hills NSW 2557

- ↑ Head north-west towards Providence Dr
● Go through 1 roundabout
 1 min (600 m)
- > Follow Camden Valley Way to Cowpasture Rd
 10 min (9.3 km)
- > Get on M7 in Middleton Grange
 6 min (4.5 km)
- > Continue on M7 to Prospect. Take the exit for Prospect Hwy from M4
 13 min (19.4 km)
- > Continue on Prospect Hwy to your destination in Seven Hills
 13 min (7.9 km)

29 Powers Rd
Seven Hills NSW 2147



	Construction Environmental Management Plan – 626 - Gledswood Hills Public School – Stage 2	E4
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10.2 Appendix B – TfNSW Traffic Management Centre Notification

From: tmccustomerrelations@tmc.transport.nsw.gov.au
To: [Chris Sposito](#)
Subject: Transport for NSW Response - Case 01762040 - Chris Sposito - [ref:_00D28HSVA._5008q1iTa4:ref]
Date: Thursday, 6 April 2023 4:43:22 PM

Dear Chris

I'm writing from the Transport Management Centre (TMC) in response to your email regarding the Gledswood Hills Public School -- Stage 2 project.

The TMC appreciates your query which has been passed on to the relevant business area for consideration.

I am advised that the upgrade works and associated disposal of waste material mentioned in your request may be sent to Camden Council at mail@camden.nsw.gov.au. Council may be able to assist with your query about waste management.

Regarding route travel, you may send that part of your request to the Special Permits Units at spu@transport.nsw.gov.au to check any restrictions on the road, hazardous substances and type of vehicle used.

I hope this has been of assistance.

Kind regards,

Customer Relations
Transport for NSW



Use public transport... plan your trip at transportnsw.info
Get on board with Opal at opal.com.au
Sydney CBD and Sydney Metro info www.mysydney.com.au/home



ref:_00D28HSVA._5008q1iTa4:ref

From: [Chris Sposito](#)
To: [TransportNSW Info](#)
Subject: RE: Transport NSW Info Feedback | More information required #01762040 [ref:_00D28HSVA._5008q1iTa4:ref]
Date: Monday, 3 April 2023 4:04:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Gledswood Hills PS Stage 2 - Appendix A - Proposed Truck Routes to Waste Facilities – B24.pdf](#)

Hi Tanya,

Please find attached Appendix A - Proposed Truck Routes to Waste Facilities – B24 for your info/comment.

As outlined in the general enquiry, in accordance with SSD Condition B24 we are required to notify the Traffic Management Centre of the truck route(s) to be followed by trucks transporting waste material from the site, prior to the commencement of the removal of any waste material from the site.

Therefore, I have prepared the appendix attached identifying our waste management contractors' proposed facilities and routes to each location.

Please advise if anything further is required.

Regards,

Chris Sposito
HSEQ Manager
Mobile: 0408 625 030





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PO Box 1136 Mascot NSW 1460
t 02 9662 6522 f 02 9662 6533
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Newcastle
Suite 3
161 Lambton Road
Broadmeadow NSW 2292
t 02 8197 6039



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From: TransportNSW Info <feedback@transportnsw.info>
Sent: Monday, April 3, 2023 3:35 PM
To: Chris Sposito <chriss@pattersonbuild.com.au>
Subject: Transport NSW Info Feedback | More information required #01762040 [ref:_00D28HSVA._5008q1iTa4:ref]



Dear Chris,

Thank you for contacting Transport NSW Info. Unfortunately there was not enough information in your feedback to fully investigate the issue.

For us to further investigate your feedback, please reply to this email with more information. The attachments mentioned have not come through. Could you please include them on the reply?

Your case reference number is: 01762040

Thank you for providing feedback to Transport for NSW.

Regards,

Tanya
Transport Info Customer Service



ref:_00D28HSVA._5008q1iT4:ref

10.3 Appendix C – Site Management Plan



LEGEND

- Site parking
- Timber A-Class Hoarding (Milestone 1)
- Site Fencing (Milestone 2 - Car-park)
- Site Entry Gates (vehicles)
- Pedestrian Entry Gate
- PBG Site Amenities (Office)
- Temporary Crossover
- Shared Access way (Milestone 3)
- Crane and concrete pumping lifting zone
- Material Storage Zone
- Traffic Control
- Temporary DDA Access Pathway to Lift
- Traffic Control Office & Induction Room/Sign In
- Male / Female Site Amenities
- Subcontractor Lunch Rooms
- Perimeter Scaffold
- DDA Compliant Ramp for Schools use.
- First Aid Location
- Fire Extinguishers

GENERAL NOTES:
 - ALL EXISTING & OVERALL DIMENSIONS ARE NOMINAL & SUBJECT TO VERIFICATION ON SITE. WHERE ANY DISCREPANCY OCCURS BETWEEN NEW WORK & EXISTING DIMENSIONS - EXISTING DIMENSIONS/WORK SHOULD TAKE PREFERENCE WHERE NECESSARY. OTHERWISE NOTIFY PATTERSON BUILDING GROUP PTY LTD (PBG).
 - DO NOT SCALE OFF THE DRAWINGS UNLESS OTHERWISE STATED AND USE FIGURED DIMENSIONS IN PREFERENCE.
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 - ALL TIMBERS TO BE IN ACCORDANCE WITH SAA TIMBER STRUCTURE CODE AS 1720 AND SAA TIMBER FRAMING CODE AS 1684.
 - ALL WORK TO BE CARRIED OUT IN A PROFESSIONAL AND WORKMANLIKE MANNER ACCORDING TO THE PLANS AND SPECIFICATION.
 - SELECTED TERMITE PROTECTION TO BE USED ON SITE IN ACCORDANCE WITH LOCAL COUNCIL'S REQUIREMENTS, B.C.A. AND ALL RELEVANT AUSTRALIAN STANDARDS.
 - SMOKE DETECTORS TO COMPLY WITH REQUIREMENTS OF SPECIFICATION E.17 (NSW) FIRE AND SMOKE ALARMS SHALL COMPLY WITH AS 3786 AND BE CONNECTED TO THE MAIN POWER SUPPLY.
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ISSUE	AMENDMENT	DATE	INT.
A	Revised fencing layout	16/03/23	
A	Tender	22/12/22	

STANDARD ABBREVIATIONS	BC BRIGHT CHROME	DIH DIMENSION	NTS NOT TO SCALE
D-00 DOOR NUMBER	CJ CONST. JOINT	FORM FORMWORK	SB STEEL BEAM
J-00 JOINT NUMBER	CLF CLEAR	PLR FIRE RESISTANCE LEVEL	SC STEEL COLUMN
W-00 WINDOW NUMBER	CNTR CENTRE	PSL FINISHED SLAB RL	SI SITE INSTRUCTION
AB ABOVE BENCH	COS CHECK ON SITE	HYD HYDRAULIC	STR STRUCTURAL
AS ADJUSTABLE SHELF	DD DESIGN INTENT DWS	IP INGRESS PROTECTION CODE TB	TB TIMBER BEAM
AS AUSTRALIAN STANDARDS	DEM DEMOLITION	HU HYTE JOINT	TBA TO BE ADVISED
AV AUDIO VISUAL			

CLIENT SCHOOL INFRASTRUCTURE NSW	ADDRESS HERMITAGE WAY GLEDSDOOD HILLS NSW	 PATTERSON Building Group	DRAWN JA SCALE NTS @ AI
			CHECKED RG JOB NUMBER T2551
PROJECT GLEDSDOOD HILLS PUBLIC SCHOOL	DRAWING TITLE PROPOSED SITE MANAGEMENT PLAN MILESTONE 1 & 2	SYDNEY SUIT 2, LEVEL 5 189 O'RIOURDAN ST MASCOT NSW 2020 PO BOX 1156 MASCOT NSW 1460 P 02 9662 6522 F 02 9662 6533 WWW.PATTERSONBUILD.COM.AU	WOLLONGONG 10 BELMORE ST WOLLONGONG NSW 2500 PO BOX 82 FAIRY MEADOW NSW 2519 P 02 4283 3044 F 02 4283 5122
		DATE 16/03/23 DRAWING NUMBER PBG001 ISSUE B	

	Construction Environmental Management Plan – 626 - Gledswood Hills Public School – Stage 2	E1
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25.5 Appendix E5 – Construction Soil & Water Management Sub-Plan

**SSD 8378 – Construction of Gledswood Hills Public School –
Submission of Construction & Demolition Waste Management Sub-Plan in
accordance with Condition B19**

Please refer to the below **SSD 8378 GHPS Condition Satisfaction Table** in relation to the above condition requirements and location within the CDWMSP attached herewith this letter.

SSDA Ref.	Requirement Summary	Documentation Reference
B19	<i>The Applicant must prepare a Construction Soil and Water Management Sub-Plan (CSWMSP) and the plan must address, but not be limited to the following:</i>	Appendix E5 – Construction Soil & Water Management Sub-Plan Rev 2 - 21/04/23
	(a) be prepared by a suitably qualified expert, in consultation with Council;	<ul style="list-style-type: none"> • PBG Consolidated Plan - Pg 1 – HSEQ Manager • Approved Stormwater Management Report – Revision D – WCE Appendix C • Camden Council Consultation – Appendix D • Appendix F - CVs
	(b) be submitted to the approval of the Certifier prior to the commencement of construction;	Appendix E – Certifier Submission
	(c) describe all erosion and sediment controls to be implemented during construction.	Erosion & Sediment Control Plans (Section 4 – Pg. 4-5)
	(d) provide a plan of how all construction works will be managed in a wet-weather events (i.e. storage of equipment, stabilisation of the Site);	Management of Site During Wet-Weather Events (Section 5 – Pg. 6) Appendix B – Site Management Plan
	(e) detail all off-Site flows from the site; and	PBG - Stormwater Management & Discharge (Section 2 – Pg. 4) WCE Appendix B – Stormwater Mgt (Section 2.4 - Pg. 19)
	(f) describe the measures that must be implemented to manage stormwater and flood flows for small and large sized events, including, but not limited to 1 in 5-year ARI.	PBG - Management of Site During Wet- Weather Events (Section 5 – Pg.6) WCE Appendix B – Flood Risk (Section 4 - Pg. 7)

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Broadmeadow NSW 2292
t 02 8197 6039

reception@pattersonbuild.com.au
www.pattersonbuild.com.au



If you require clarification of any aspect of our submission, please do not hesitate to contact me.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Chris Sposito', is positioned above the typed name.

Chris Sposito

HSEQ Manager

Mobile: 0408 625 030

Email: chriss@pattersonbuild.com.au





Appendix E5 - Construction Soil & Water Management Sub-Plan

626 – Gledswood Hills Public School – Stage 2

Client:	SINSW
Project Address:	78 The Hermitage Way, Gledswood Hills NSW 2557
Prepared By:	Chris Sposito – HSEQ Manager
Revision & Date:	2 – 21/04/2023

TABLE OF CONTENTS

1	INTRODUCTION	3
1.1	B19 Condition Satisfaction Table.....	3
2	STORMWATER MANAGEMENT & DISCHARGE	4
3	CONTROLLING SEDIMENT LEAVING SITE.....	4
4	EROSION & SEDIMENT CONTROL PLANS	4
5	MANAGEMENT OF SITE DURING WET-WEATHER EVENTS.....	6
6	COMPLIANCE	6
7	AMENDMENTS.....	8
8	APPENDICIES	8
8.1	Appendix A - Project ERSED Plan	8
8.2	Appendix B – Site Management Plan.....	9
8.3	Appendix C – Gledswood Hills Public School Stormwater Management Report.....	10
8.4	Appendix D – Council Consultation	11
8.5	Appendix E – Certifier Submission	12
8.6	Appendix F – CVs	13

1 INTRODUCTION

This Construction Soil & Water Management Sub-Plan defines the Patterson Building Group (PBG) system & processes for the management of potential soil & water issues for the Gledswood Hills Public School – Stage 2 project and outlines how the requirements of the specification have been addressed.

In accordance with the SSD Approval Conditions for *SSD 8378 - New Gledswood Hills Public School*, Patterson Building Group hereby confirms that this Construction Soil & Water Management Sub-Plan has been developed to assist PBG fully satisfy condition B14 section e & condition B19 (expanded upon below).

This Construction Soil & Water Management Sub-Plan has been developed by PBG’s HSEQ Manager based on the ‘Stormwater Management Report – Revision D dated 19 October 2017’ prepared by Woolacotts Consulting Engineers (Appendix C) and in consultation with Camden Council (Appendix D).

1.1 B19 Condition Satisfaction Table

SSDA Ref.	Requirement Summary	Documentation Reference
B19	<i>The Applicant must prepare a Construction Soil and Water Management Sub-Plan (CSWMSP) and the plan must address, but not be limited to the following:</i>	Appendix E5 – Construction Soil & Water Management Sub-Plan Rev 2 - 21/04/23
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2 STORMWATER MANAGEMENT & DISCHARGE

The site is located near the top of a hill, well above nearby drainage channels. Council's flood map for the area does not identify the site as flood affected. While the map does note that the site is in an area subject to development and flood conditions may change, the location of the site is such that even with changes in the precinct, it will not become flood affected.

Upon site establishment PBG will monitor all drainage entry and discharge points. All drains are to be immediately controlled with fabric and/or silt fences to filter water entering and exiting the site. During construction works PBG will create one catchment area for heavy inclement weather, one being on the lower side of site.

3 CONTROLLING SEDIMENT LEAVING SITE

PBG site staff will heavily monitor the subcontractor's plant and machinery entering and leaving the construction site. When plant and machinery are leaving site with effected tyres, tracks and/or bodywork the following methods will be implemented;

- ≡ Cattle Grids and/or ballast installed to site exits.
- ≡ Water / hose available to thoroughly clean.
- ≡ Street sweeper/ cleaner available to clean any sediment taken onto the roadways.

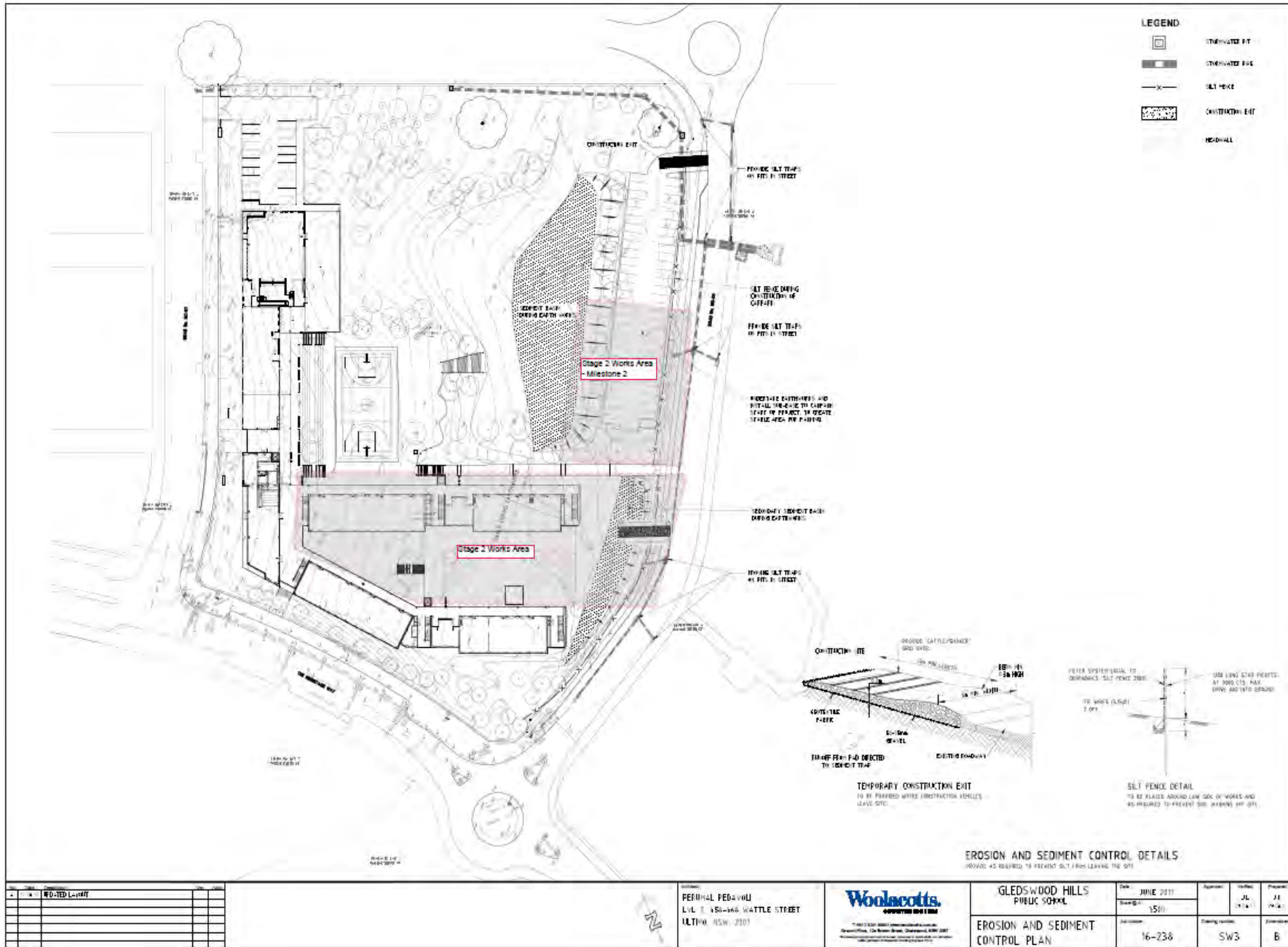
Furthermore, PBG will continually monitor the adequacy of installed silt controls such as silt fences, geofabric and eco logs etc.

4 EROSION & SEDIMENT CONTROL PLANS

PBG will comply with the Section 120 of the Protection of the Environment Operations Act 1997 during the construction works of this project. All no stage will water or construction waste be discharged into the stormwater system, with control measures to be implemented in accordance with in accordance with the 'Blue Book' - Managing Urban Stormwater: Soils & Construction (4th edition, Landcom 2004) .

The existing stormwater drainage system will be protected prior to construction works commencing and will be monitored and maintained during the construction programme. Site inspections are conducted on a weekly basis at minimum, or daily if changes, or new works occur onsite. Inspections are also undertaken before rain events to ensure ERSED controls are in place, and after rain events to undertake maintenance if required. The ground levels to this project are very flat so there is low risk of erosion and sedimentation and downstream impacts, given the relatively flat ground erosion and sedimentation controls to be installed around the works poses a low risk for sedimentation pollution.

Please refer to the following page and **Appendix A** for detailed ERSED plan & details:



NO.	DATE	BY	DESCRIPTION
1	16-06-2017	JL	ISSUED FOR PERMIT

<p>PERMITAL FEEDBACK LVL 1 450-465 WATTLE STREET ULTIMATE NSW 2307</p>
--

Woolacotts
CONSTRUCTION MANAGEMENT

11-11-11 1200 4000 12000
Construction Management Services
11-11-11 1200 4000 12000

<p>GLEDSDOOD HILLS PUBLIC SCHOOL</p>	<p>Date: JUNE 2017 Scale: 1:500</p>	<p>Author: JL Check: JL Date: 16-06-2017</p>
<p>EROSION AND SEDIMENT CONTROL PLAN</p>	<p>Revision: 16-236</p>	<p>Drawing Number: SW3 Sheet: B</p>

5 MANAGEMENT OF SITE DURING WET-WEATHER EVENTS

To mitigate approaching storms and the like, PBG will implement swale runs and water catchment areas to hold large portions of water and seal stockpiles utilising geofabric covering. The swale cuts will reduce the speed of the water and guide the water to the holding areas, eliminating the chances of travelling off site uncontrolled.

All drains and controls to be inspected before (if possible) and after rainfall to ensure controls are adequate Controls such as: hay bales, eco logs, silt socks to all water egress paths. In the instance that water does travel off site uncontrolled, PBG will have all drains covered with geofabric and silt socks placed in all active gutters to drop sediment out of the water.

All materials and equipment will be placed in appropriate locations such as hard stands and/or bitumen for stability purposes. Pending the amount of rainfall and impact to grounds, a Geotech may be required for inspection, the site manager will determine if this inspection is required.

Please refer to **Appendix B – Site Management Plan** for designated storage & parking locations onsite.

Furthermore, from review of Council's Flood Risk Management Plan, it can be concluded that the site is of a low risk to flooding (including potential to be affected by a 1 in 5-year Average Rainfall flood event) therefore the standard control measures defined within this plan are deemed sufficient.

Stormwater & Flood Flows

Within the site a network of pits and pipes will be provided to capture stormwater and drain to the connection points provided by the developer. Pipe systems throughout the site will be designed for a 1 in 20 year ARI storm event. Overland flow paths will be provided to cater for the 1 in 100 year storm event.

A precinct wide detention and water treatment basin is located to the east of the site. The basin has been designed as a detention basin for storms up to a 1 in 100 year ARI storm event and as a water quality basin for a 1 in 3 month ARI storm. The design of the basin includes the catchment area of the school.

Therefore, no additional treatment measures or detention are proposed for the school site, as the precinct wide basin meets Council's requirements for detention and treatment.

The site drainage system and the precinct wide basin also comply with the requirements of Guidelines for developments adjoining land managed by the Department of Planning and Environment and Council's relevant policies.

6 COMPLIANCE

Statutory Requirements:

Describe all erosion and sediment controls, describe how construction works will be managed within wet weather events, detail off site flows from site, describe measures that are to be implemented to manage large rainfall occurrences.

Limits & Performance Measures:

All erosion and sediment controls are to be visually managed daily and inspected within the monthly environmental inspection. All employees made aware of soil and water management requirements

Specific Performance Indicators:

The following to be managed for duration of construction works;

- ≡ On site visual inspections of erosion & sediment controls
- ≡ Maintain physical swales and catchment areas
- ≡ Maintain water catchment areas
- ≡ Available storage areas during wet weather

Measures Used to Comply with Statutory Requirements:

- ≡ Complete frequent environmental inspections
- ≡ Maintain sediment controls and environmental housekeeping Maintain records for any impacts encountered.

Monitoring & Reporting:

- ≡ Daily visual monitoring and monthly environmental inspections will be implemented to monitor environmental impacts. Maintained within site diary.
- ≡ Inspections conducted before and after rain downfall
- ≡ Management of effectiveness will be captured under the monthly environmental inspections and current site sediment controls. If impacts continue, PBG to conduct internal audit on methods to improve soil water management and implement all selected corrective measures

Managing & Reporting Incidents & Complaints:

- ≡ All incidents and/or non-compliances that may arise will be documented and the client will be notified immediately on the same business day. This will be documented within the site diary or under the environmental checklist.
- ≡ Complaints can be received on a site level from surrounding occupants If the issue is not of serious nature the construction team will close out this complaint appropriately If the complaint is of serious nature this will be elevated to the client immediately. This would be documented/responded to in fortnightly client meetings and/or monthly PCG reports.
- ≡ Failure to comply with statutory requirements would result in an immediate NCR and review possibility of terminating contract.

Periodic Review:

The Soil Water Management Sub-Plan will be reviewed on a 6 monthly basis to find any ways to improve the current performance This review will be documented within the site diary & PMP Review & Amendments section.

Areas to be reviewed include;

- ≡ Weekly & Monthly environmental inspections and audits,
- ≡ Site functioning and cleanliness,
- ≡ Prior impacts
- ≡ Prior incidents

Furthermore. PBG will review performance of soil and water management thus far via gathering and analysing:

- ≡ Environmental inspections, environmental checklists and audits,
- ≡ Performance during inclement weather patterns.
- ≡ Affects post inclement weather patterns,
- ≡ Impacts to surrounding stakeholders and community.

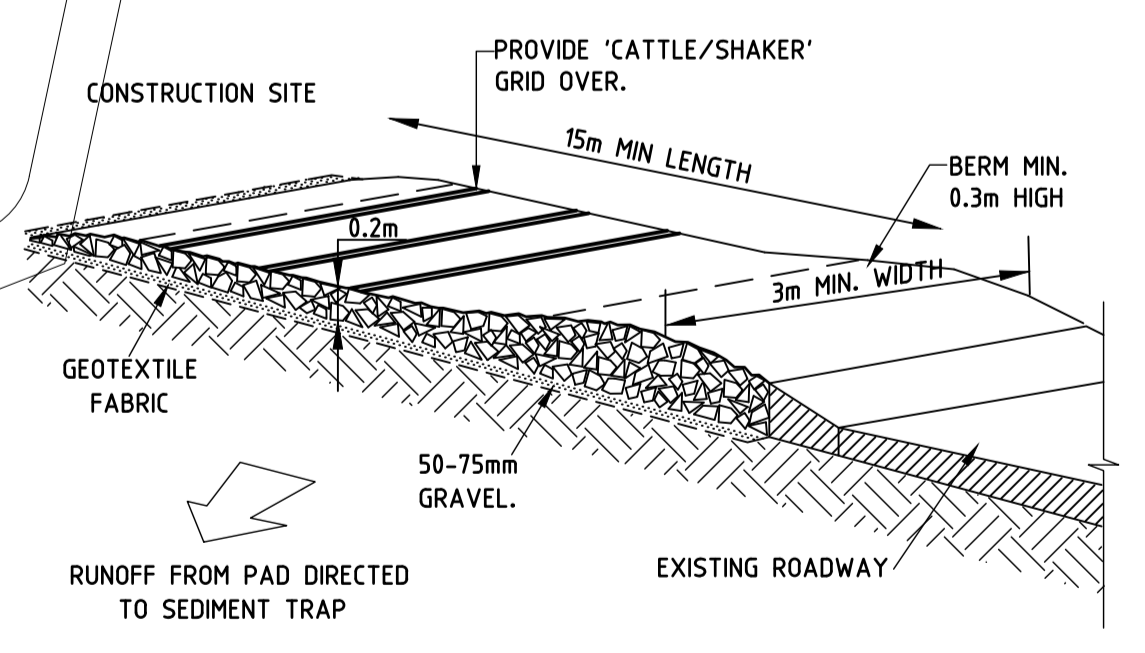
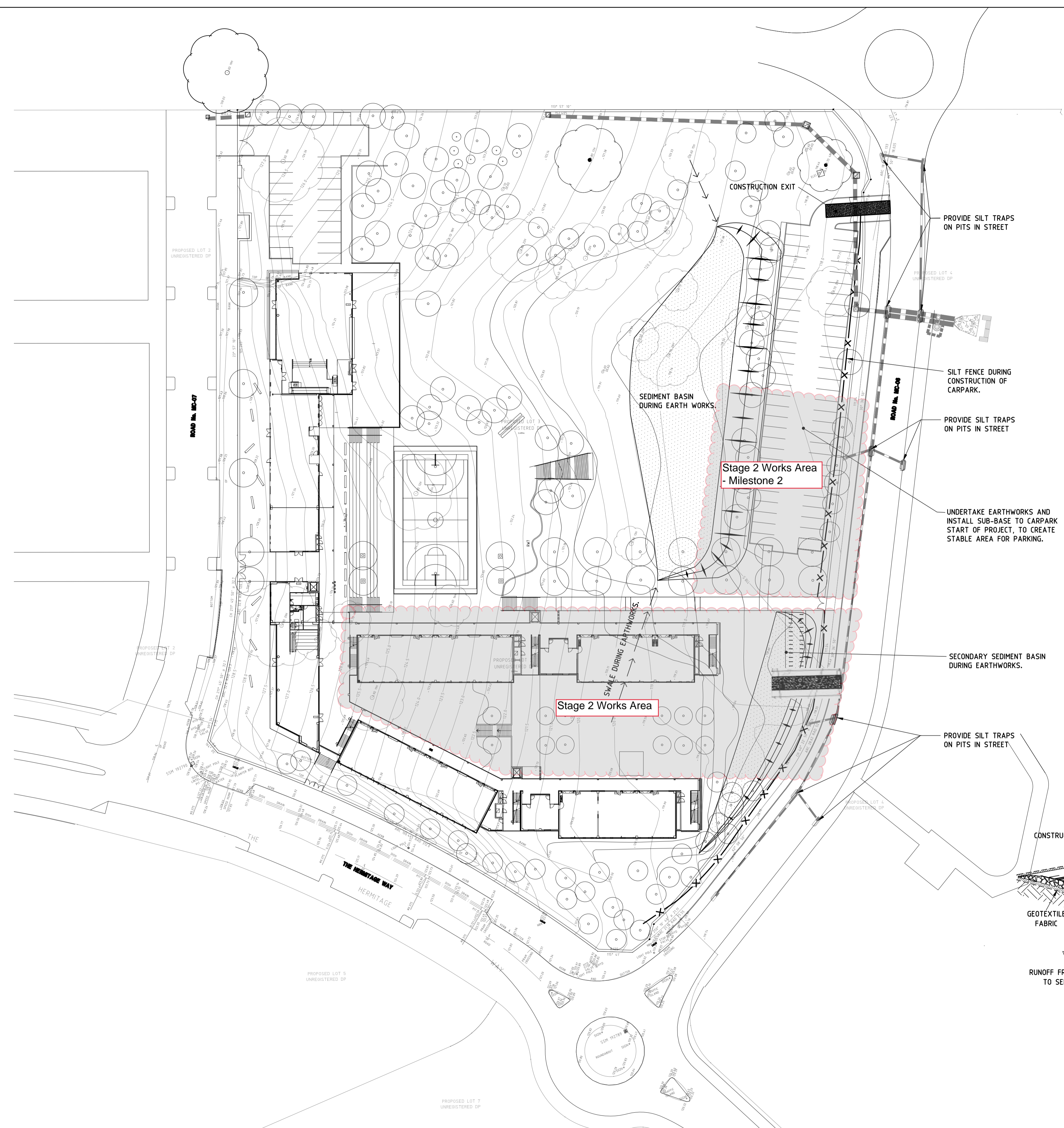
7 AMENDMENTS

REVISION	DATE	SECTION	DESCRIPTION OF AMENDMENTS
2	21/04/23	All	Updates per SINSW Compliance feedback 21.04.23
		1.1	B19 Condition satisfaction table added.
“	“	5	Reference to OEH updated to Department of Planning and Environment
“	“	8.2	Appendix B – Site Management Plan added for B19d
“	“	8.6	Appendix F – CVs added for B19a

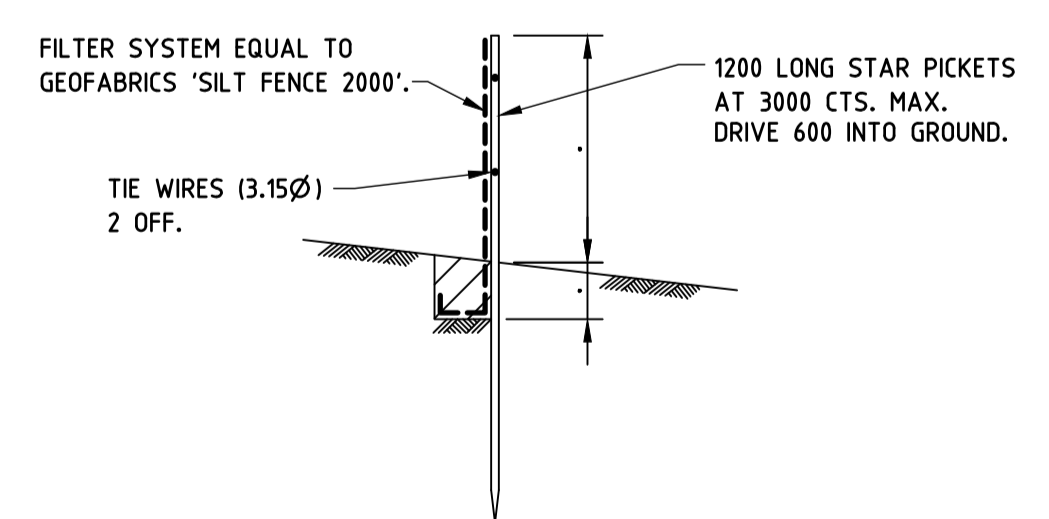
8 APPENDICIES

8.1 Appendix A - Project ERSED Plan

LEGEND	
	STORMWATER PIT
	STORMWATER PIPE
	SILT FENCE
	CONSTRUCTION EXIT
	HEADWALL



TEMPORARY CONSTRUCTION EXIT
TO BE PROVIDED WHERE CONSTRUCTION VEHICLES
LEAVE SITE.

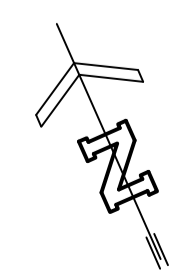


SILT FENCE DETAIL
TO BE PLACED AROUND LOW SIDE OF WORKS AND
AS REQUIRED TO PREVENT SOIL WASHING OFF SITE.

EROSION AND SEDIMENT CONTROL DETAILS

PROVIDE AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE.

No.	Date	Description	Ver.	Appr.
A	17.08.17	UPDATED LAYOUT		




Architect
PERUMAL PEDAVOLI
LVL 2, 458-468 WATTLE STREET
ULTIMO, NSW, 2007

Woolacotts
CONSULTING ENGINEERS
T +61 2 8241 9900 | www.woolacotts.com.au
Ground Floor, 12a Brown Street, Chatswood, NSW 2067
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GLEDSDWOOD HILLS
PUBLIC SCHOOL
EROSION AND SEDIMENT
CONTROL PLAN

Date	JUNE 2017	Approved	Verified	Prepared
Scale @ A1	1:500		J.L. 09.08.07	J.K. 09.08.17
Job number	16-238	Drawing number	SW3	Amendment
				B

	Construction Environmental Management Plan – 626 – Gledswood Hills Public School – Stage 2	E5
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8.2 Appendix B – Site Management Plan



LEGEND

- Site parking
- Timber A-Class Hoarding (Milestone 1)
- Site Fencing (Milestone 2 - Car-park)
- Site Entry Gates (vehicles)
- Pedestrian Entry Gate
- PBG Site Amenities (Office)
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- Material Storage Zone
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 -ALL TIMBERS TO BE IN ACCORDANCE WITH SAA TIMBER STRUCTURE CODE AS 1720 AND SAA TIMBER FRAMING CODE AS 1684.
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ISSUE	AMENDMENT	DATE	INT.
A	Revised fencing layout	16/03/23	
A	Tender	22/12/22	

STANDARD ABBREVIATIONS	
D-00 DOOR NUMBER	BC BRIGHT CHROME
J-00 JOINT NUMBER	CJ CONST. JOINT
W-00 WINDOW NUMBER	CLF CLEAR
AB ABOVE BENCH	CNTR CENTRE
AS ADJUSTABLE SHELF	COS CHECK ON SITE
AS AUSTRALIAN STANDARDS	DD DESIGN INTENT DWS
AV AUDIO VISUAL	DEM DEMOLITION
	DIH DIMENSION
	FORM FORMWORK
	FLR FLOOR RESISTANCE LEVEL
	FSL FINISHED SLAB RL
	HYD HYDRAULIC
	IP INGRESS PROTECTION CODE TB: TIMBER BEAM
	INJ INTR. JOINT
	NTS NOT TO SCALE
	SB STEEL BEAM
	SC STEEL COLUMN
	SI SITE INSTRUCTION
	STR STRUCTURAL
	TYP TYPICAL
	TBC TO BE CONFIRMED THE TO MATCH EXIST
	TP TRIP POST
	TBA TO BE ADVISED

CLIENT
SCHOOL INFRASTRUCTURE NSW

PROJECT
GLEDSDOOD HILLS PUBLIC SCHOOL

ADDRESS
 HERMITAGE WAY
 GLEDSDOOD HILLS NSW

DRAWING TITLE
 PROPOSED SITE
 MANAGEMENT PLAN
 MILESTONE 1 & 2

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DRAWN	JA	SCALE	NTS @ AI
CHECKED	RG	JOB NUMBER	
DATE	16/03/23		T2551
DRAWING NUMBER	PBG001	ISSUE	B

	Construction Environmental Management Plan – 626 – Gledswood Hills Public School – Stage 2	E5
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8.3 Appendix C – Gledswood Hills Public School Stormwater Management Report

Gledswood Hills Public School Stormwater Management Report

19 October 2017 | 16-238

Contents

Contents	2
Document control	3
1. Introduction	4
2. Existing site	5
3. Proposed development	5
4. Stormwater management.....	6
5. Flood risk.....	7
6. Integrated water management	7
7. Conclusion	8
Appendix A Drawings	9

Document control

Rev No	Date	Revision details	Approved	Verified	Prepared
A	10.8.2017	Approved Issue	CMW	KEC	CMW
B	17.8.2017	Drawings SW1-3 amended	CMW	KEC	CMW
C	10.10.2017	Plans updated to include additional parking	CMW	KEC	CMW
D	19.10.2017	Plans updated	CMW	KEC	CMW

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1. Introduction

Gledswood Public School is a proposed new primary school, to be located on The Hermitage Way, Gledswood Hills. See Figure 1 for the approximate location of the site. The school will be developed in stages and will eventually cater for 1,000 students in Kindergarten to Year 6.

The area in which it will be located is currently under development, with the construction of The Hermitage Way only completed in early 2017.

This report has been prepared to comment on stormwater management issues for the new school.

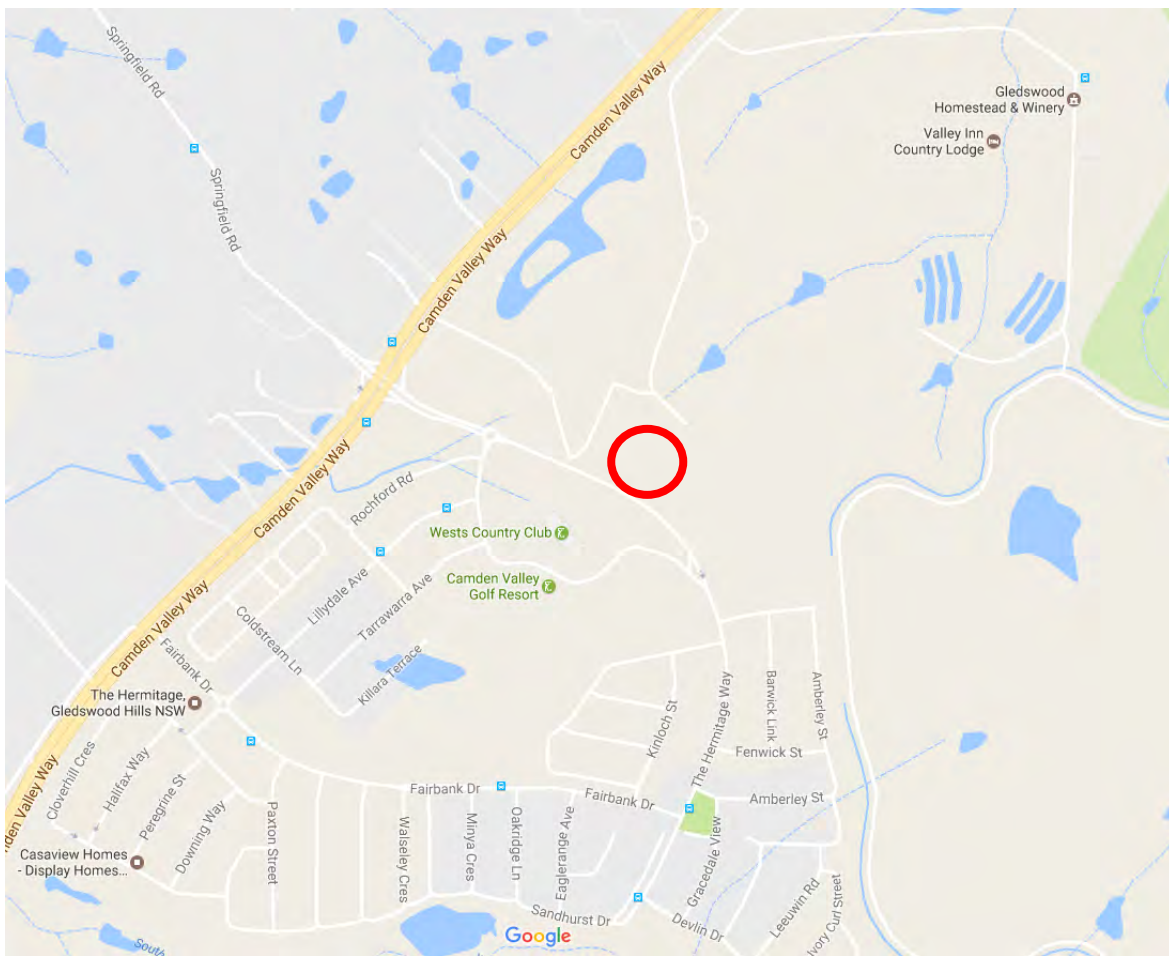


Figure 1 – Approximate Site Location