HERITAGE NSW CONSULTATION

Department of Climate Change, Energy, the Environment and Water

Our ref: HMS ID 9519

Patrick Nash
Senior Planning Officer
Department of Planning, Housing and Infrastructure
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Letter uploaded to the Major Projects Planning Portal

Advice on Environmental Impact Statement – State Significant Development

Proposal: Ross Street Teaching and Learning Hub

Major Project reference: SSD-57838709

Received: 7 March 2025

Dear Patrick,

Thank you for your referral inviting comments from the Heritage Council of NSW on the above State Significant Development (SSD) proposal. The proposed SSD affects the State Heritage Register item *University of Sydney, University Colleges and Victoria Park* (SHR no. 01974).

Heritage NSW has provided comments on this referral in **Attachment A**. Please note that this application will be referred to the Heritage Council of NSW for comment. To inform our assessment and advice to the Heritage Council, we request a response to this submission by 11 April 2025.

As the site contains a local heritage item, and other local items are in the vicinity, advice should be sought from the relevant local council.

If you have any questions about this correspondence, please contact James Cole, Senior Assessments Officer at Heritage NSW on (02) 9873 8500 or heritagemailbox@environment.nsw.gov.au

Yours sincerely,

Katrina Stankowski
Manager Assessments, Metro & TfNSW MOU, Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate of the Heritage Council of NSW
26 March 2025

Attachment A Heritage NSW comments on the Environmental Impact Statement

The proposal involves the construction of Building A01 including four above ground and one semi-submerged level, traffic, pedestrian access, and landscaping works including the relocation of stone gates to the north along Western Avenue, and the removal of approximately 40 metres of stone and metal fencing along the boundary of the University of Sydney and Parramatta Road.

Heritage NSW notes that the concept building envelope, removal of existing demountable buildings from the site, and relocation of the existing sandstone and wrought iron gates on Western Avenue (known as the Ross Street Gates) have previously been approved as a part of Camperdown-Darlington Campus Improvement Program (SSD-6123) issued on 16 February 2015, last modified 26 February 2024 (SSD-6123-Mod-2).

As delegate of the Heritage Council of NSW, the following comments are provided.

Visual impacts

While it is noted that the concept building envelope for the project was approved as a part of SSD-6123, Heritage NSW remains concerned about the overall bulk and scale of the development, particularly when considered in conjunction with the future development of the A03 Building. Heritage NSW requests the inclusion of a detailed cumulative visual impact assessment as a part of the Heritage Impact Statement (HIS) to better demonstrate the visual impact of the proposed works as a part of the Campus Improvement Program.

The HIS states that the design of the building responds to the nearby R.D. Watt building by incorporating appropriate setbacks and material finishes. Given the proximity of the proposed works to the R.D. Watt building, a more detailed visual analysis is warranted to more clearly demonstrate the relationship of the two structures, provide a clearer understanding of the scale of the development in relation to the R.D. Watt Building, and show how the architectural treatment responds to surrounding heritage fabric.

Ross Street Gates and fencing

The proposed removal of a 40m section of heritage fencing along the boundary of the site with Parramatta Road is of concern, as these works would remove significant heritage fabric and diminish the prominence of this entry point to the campus. The HIS notes that the proposed works are to facilitate pedestrian access and provides an assessment of the impact of the works in the broader context of the campus but does not provide a strong justification of the need for the proposed works, or an analysis of options considered which may avoid or minimise the removal of the heritage fencing and gates.

Western Avenue and Science Road landscaping works

Five trees proposed for removal (identified as T766 and T768-T772 in Appendix R of the EIS) are identified as exceptionally significant in *The University of Sydney Grounds Conservation Management Plan* (Clive Lucas, Stapleton and Partners, 2019). Impacts related to the removal of these trees have not been assessed as a part of the HIS.

The existing guard house on Western Avenue is proposed for removal. Section 3.1 of the Environmental Impact Statement (EIS) states that the guardhouse is a demountable building, and therefore approved for relocation under SSD-6123. Based on a visual assessment, the structure does not appear to be a demountable and its removal has not been considered as a part of the HIS.

Heritage Interpretation

Condition B14 of development consent SSD-6123-Mod-2 states that '*all future development applications for new built form that involve the demolition or alteration of existing items of heritage significance shall include a heritage interpretation plan*'. Heritage NSW considers that the proposed relocation of the Ross Street Gates and removal of a section of the heritage stone and metal fence are both examples of demolition to an existing item of heritage significance and would therefore warrant the preparation of a Heritage Interpretation Plan (HIP). Noting Recommendation 2 of the Historical Archaeological Impact Assessment (HAIA), the HIP should include discussion of how any potential archaeological remains may be incorporated in the development (if identified).

Historical archaeology

The HAIA identifies high potential for archaeological deposits associated with Phase 3 of the site's use, consisting of air raid trenches excavated during WWII and the construction of the Transient Building. Construction of the Transient Building in 1945 would likely have required limited excavation to lay brick plinth footings. Intact archaeological deposits associated with Phase 3 are likely to be of local significance.

Section 5.3 of the HAIA states that it is unlikely that remains from Phase 3 would be present with sufficient intactness to be assessed as locally significant. Based on the information provided in the background and physical assessment of the HAIA, Heritage NSW does not consider that this statement is supported.

There are also noted inconsistencies between recommendations provided in the HAIA and the proposed mitigation measures outlined in the EIS. For example, the HAIA concludes that no further archaeological investigation is required and recommends use of an unexpected finds procedure to manage archaeology while the mitigation measures in the EIS state that archaeological monitoring will be undertaken. Based on the information provided in the EIS, HNSW considers further archaeological investigation would be appropriate.

Further information

At this point Heritage NSW can not undertake a full assessment of the EIS and requests the following additional information to enable assessment of whether the Environmental Impact Statement fulfils the Secretary's Environmental Assessment Requirements by 11 April 2025:

1. An updated Heritage Impact Statement which includes:
    a. A detailed cumulative impact assessment to better demonstrate the visual impact of the proposed works as a part of the Campus Improvement Program.
    b. A detailed visual analysis of the proposed works in relation to the R.D. Watt building to better demonstrate the relationship between the two structures, scale of the development, and architectural treatment. This could be supported by additional elevations and/or photomontages of the site.
    c. Clear justification for the removal of this section of the heritage sandstone and wrought iron fencing, including consideration and analysis of alternatives considered to the proposed removal of fencing which would minimise or avoid this heritage impact.
    d. An assessment of heritage impact to significant vegetation.

e. Identification of whether the guard house on Western Avenue is significant, with reference to Policy 10 of *The University of Sydney Grounds Conservation Management Plan* (Clive Lucas, Stapleton and Partners, 2019), and an assessment of heritage impact as appropriate.

2. A Heritage Interpretation Plan, prepared to comply with the Condition B14 of development consent SSD-6123-Mod-2.

3. An updated Historical Archaeological Impact Assessment and an Archaeological Research Design (ARD), providing a methodology for archaeological monitoring as outlined in the mitigation measures provided in the EIS. The ARD is to be completed in accordance with the guideline *Archaeological Assessments* (Heritage Office and DUAP 1996), and should:

   a. Identify the potential archaeological resource on site, and how it will be impacted by the proposed works.

   b. Identify research questions to guide the archaeological program.

   c. Justify the proposed approach to investigation.

   d. Propose a methodology for archaeological investigations on site.

   e. Outline triggers for the completion of other mitigation measures following archaeological monitoring, such as salvage excavations.

   f. Provide an unexpected finds procedure for the proposed works.

   g. Consider the inclusion of an artefact discard policy and procedure.

   h. Provide a methodology for post-excavation analysis and reporting.

URBIS

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11 April 2025

Katrina Stankowski
Manager Assessments, Metro & TfNSW MOU, Heritage NSW
4PSQ
12 Darcy Street
Parramatta NSW 2150

Dear Katrina,

HERITAGE RESPONSE TO RFI - ROSS STREET TEACHING & LEARNING HUB (SSD-57838709)

EXECUTIVE SUMMARY

This RFI Response has been prepared by Urbis on behalf of the University of Sydney, to respond to the comments provided by Heritage NSW on the Ross Street Teaching & Learning Hub (SSD-57838709) at the University of Sydney.

The proposal is the result of a detailed design development following the approval of the Campus Improvement Program SSD-6123, and the works are in compliance with this approval. The design, materiality, setbacks and overall approach taken for the new building has considered the adjacent heritage buildings and broader context and has resulted in a sensitive, contemporary addition that will not adversely affect the heritage significance of the place.

The removal of part of the palisade fence is necessary and justified from a pedestrian and user safety standpoint, and whilst resulting in some heritage impact, this is necessary and has been mitigated by the proposed interpretation of the fence in the landscape design. The submission from Transport for NSW (TfNSW) further supports the removal of the fence, and recommends a wider footpath on Parramatta Road to support better accessibility to the bus stop and to improve the walkability of the area. This, and resultant improvement to the current pedestrian congestion, again necessitates the removal of the fence in this location.

The removal of vegetation is supported by the project arborist who has determined that the trees are of Moderate significance only (from an arboriculture not heritage perspective), and are all heavily supressed, further supporting their removal.

Archaeological investigation is unlikely to yield intact archaeological remains of Phase 3 which would meet the threshold for local or stat significance.

URBIS

1. INTRODUCTION

This RFI Response has been prepared by Urbis on behalf of the University of Sydney, to respond to the comments provided by Heritage NSW on the Ross Street Teaching & Learning Hub (SSD-57838709) at the University of Sydney.

It provides the additional information and assessments requested by Heritage NSW, and can be read as an addendum to the Heritage Impact Statement and Historical Archaeological Impact Assessment and Archaeological Research Design reports, both prepared by Urbis.

The RFI Requests the following:

1) An updated Heritage Impact Statement which includes:
    a) A detailed cumulative impact assessment to better demonstrate the visual impact of the proposed works as part of the Campus Improvement Program.
    b) A detailed visual analysis of the proposed works in relation to the R.D.Watt building to better demonstrate the relationship between the two structures, scale of the development and architectural treatment. This could be supported by additional elevations and / or photomontages of the site.
    c) Clear justification for the removal of this section of the heritage sandstone and wrought iron fencing, including consideration and analysis of alternatives considered to the proposed removal of fencing which would minimise or avoid this heritage impact.
    d) An assessment of heritage impact to significant vegetation.
    e) Identification of weather the guard house on Western Avenue is significant, with reference to Policy 10 of *The University of Sydney Grounds Conservation Management Plan* (Clive Lucas, Stapleton and Partners, 2019) and an assessment of heritage impact as appropriate.
2) A Heritage Interpretation Plan, prepared to comply with Condition B14 of development consent SSD-6123-Mod-2.
3) An updated historical Archaeological Impact Assessment and an Archaeological Research Design (ARD), providing a methodology for archaeological monitoring as outlined in the mitigation measures provided in the EIS. The ARD is to be completed in accordance with the guideline *Archaeological Assessments* (Heritage Office and DUAP 1996) and should:
    a) Identify the potential archaeological resource on site, and how it will be impacted by the proposed works.
    b) Identity research questions to guide the archaeological program.
    c) Justify the proposed approach to investigation.
    d) Proposal a methodology for archaeological investigations on site.
    e) Outline triggers for the completion of other mitigation measures following archaeological monitoring, such as salvage excavations.
    f) Provide an unexpected finds procedure for the proposed works.
    g) Consider the inclusion of an artefact discard policy and procedure

h) Provide a methodology for post-excavation analysis and reporting.

The project was discussed with Heritage NSW in a pre-lodgement meeting, attended by representatives from the University of Sydney, Urbis, Rajat Chaudhary and Rajeev Maini from Heritage NSW (January 2024). In principle support was given for the development, and its design.

2. AUTHORSHIP

This response has been prepared by Renee Riley (Associate Director, Built Heritage) and Ali Byrne (Associate Director, Archaeology). It has been reviewed by Kate Paterson (Director, Built Heritage).

3. BUILT HERITAGE

Each element raised in the RFI has been responded to in the following section. Where relevant, the response has referenced previously submitted documentation that forms part of the SSD application.

a) A detailed cumulative impact assessment to better demonstrate the visual impact of the proposed works as part of the Campus Improvement Program.

This assessment has been undertaken as part of the approval of the Campus Improvement Program (CIP) SSD-6123 which was approved.

The CIP approval includes building envelopes (i.e. scale and bulk) for the A01 site, and as such, this is not a relevant consideration for the current SSD which is limited to building design. Furthermore, the proposed design for the A01 Ross Street Teaching & Learning Hub does not deviate from the CIP SSD Approval. Likewise, the future work to A03 is outside the scope of this assessment, and the cumulative visual impacts were addressed, assessed and approved under SSD-6123. It is further noted that no SEARS have been requested for A03, and thus, no reference design has been developed which would enable an accurate, relevant, visual analysis.

b) A detailed visual analysis of the proposed works in relation to the R.D.Watt building to better demonstrate the relationship between the two structures, scale of the development and architectural treatment. This could be supported by additional elevations and / or photomontages of the site.

A visual analysis has been completed for the project, using the same views as the CIP SSD-6123 application in the Visual Impact Assessment - please refer to Appendix U Visual Impact Assessment.

As discussed in the HIS, the proposed building has been developed with careful consideration of the adjacent R.D.Watt Building, while also being cognisant of the significant thoroughfare and vista of Science Road, and the strong street boundary of this element. As noted above, the scale of the development has been set by the CIP SSD-6123 approval, and is therefore not discussed further. It is however acknowledged that given the topography of Science Road, and the height of R.D.Watt, the proposal is similar in overall scale and thus, will not impinge on views to the principal (Science Road) frontage of the building.

The relationship between the two structures has been enhanced by the following design features:

- Physical and visual separation between the two structures, to create an independence when viewed from Science Road. The creation of the courtyard and pedestrian link between the building creates an informal space and enhances views of the western façade of the R.D Watt building.

- Creation of a new pedestrian viewpoint to R.D Watt through the realignment of Science Road, and creation of a wider footpath in this area.
- The architectural treatment of the building has used both considered form and materiality to complement the adjacent R.D. Watt building, and to reduce its potential visual impact.
- In terms of form, the building pulls back from the eastern boundary as approved under CIP to enhance views to the western façade of R.D Watt, and to create a courtyard space in which to appreciate the building. It also provides for a physical setback between the buildings, maintaining separation and dominance of R.D Watt when looking west down Science Road. It is reiterated that this is an additional setback, reducing the total footprint of the building as approved under CIP which results in a positive heritage outcome for R.D Watt.
- The inclusion of three-story picture windows on the south-east and southwest corners of the building have been purposefully designed to capture and reflect the historic buildings (R.D Watt and J.D Stewart respectively) that surround the site. They provide sight lines to these structures
- Materially, the proposal adopts a curated palette of pleated and textured brick, metal and glazing, in a palette of warm reds, creams and sandstone colours. This has been developed in direct response to R.D Watt, a significant red brick building with sandstone dressings and is explored in detail in the Design Report prepared by BVN.

The visual impact of the proposed A01 teaching and learning hub on the R.D Watt building is, in overall terms, minor and in accordance with the approved CIP SSD-6123. The design of the A01 Ross Street Teaching & Learning Hub has specifically responded to the significance of R.D Watt by increasing the setback to the eastern boundary of the site, providing a greater physical and visual separation between the buildings, and through its use of complementary forms and materials. The buildings will still be read as two, independent structures on Science Road and as part of the heterogenous array of buildings on the University campus. The high quality, contemporary design of the Ross Street building will contribute to the emerging character of the Life Sciences precinct, which balances new, contemporary built form, with significant masonry structures and landscape.

Figure 1 – View of Proposed Development VP2. Note visibility of R.D Watt and comparative scale of roof.

Source: A01 Ross Street Visual Impact Assessment, Urbis.

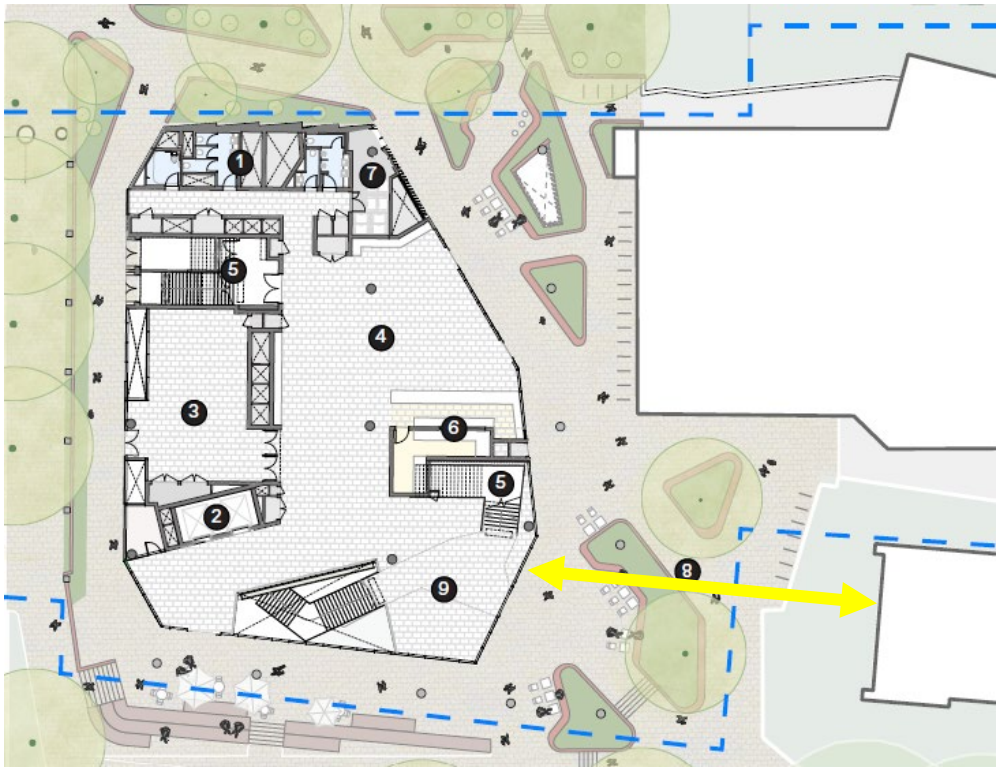

Figure 2 – Excerpt of Level 2 (Ground Level) plan showing distance between proposed building, the original CIP boundary (blue dash) and R.D Watt (yellow arrow).

Source: A01 Ross Street Teaching & Learning HUB SSDA Architectural Design Report, BVN, Rev 8.

c) Clear justification for the removal of this section of the heritage sandstone and wrought iron fencing, including consideration and analysis of alternatives considered to the proposed removal of fencing which would minimise or avoid this heritage impact.

The following response has been provided by the University of Sydney as justification for the removal of the fence:

> *The proposed works of removing the fence goes back to the primary objectives and requirements as approved under the CIP SSD-6123 application. Please refer to the CIP SSD-6123 EIS (specific sections 5.5.3, 7.4.5, 7.7.1) and the CIP SSD-6123 application Concept Landscape Plan (page 2; 22-23).*
>
> *A key characteristic of high quality universities is a comfortable and safe walking environment both within and surrounding the campus. It is not only the staff and students who will make a lively campus but also the interaction with surrounding community and therefore permeability and legibility is required. The CIP provides an opportunity to increase pedestrian priority within the University campus. Shared zones are proposed on many of the internal roadways where pedestrians and cyclists will have equal priority with authorised vehicles, excluding general vehicles. The CIP further talks to the gateway entry point from Ross Street and Parramatta Road and its lack of arrival. The highest mode of travel is via public transport (i.e. bus stop immediately outside the A01 site). In 2012, a survey was done as noted in the EIS section 7.7.1 advising current*

mode share of public transport (53%) and active modes (26%) are higher than private vehicle usage (21%) for the University according to 2012 Travel Surveys.

In addition, the CIP SSD-6123 application Concept Landscape Plan notes the opportunities to upgrade Ross Street access and investigate upgrade of gateway; create a strong gateway arrival and view into the University; ensure gateways are visible welcoming and open; provide Active street frontages with business activity to streetscapes; Western Avenue - Widen gateway to facilitate 2-way traffic.

This project is responding to what has been approved in the CIP SSD-6123 in terms of the permeability, pedestrian safety and providing a comfortable environment for all.

As published on The Sydney Morning Herad (https://www.smh.com.au/national/nsw/revealed-sydney-s-worst-bus-stops-and-why-they-are-a-health-hazard-20240229-p5f8r4.html) the bus stop immediately outside the site is ranked the worst bus stop in Sydney due to its constraints and limited space to queue. Access points from Parramatta Road for both vehicles and people have narrow pedestrian entrances, causing serious and ongoing safety issues.

Further to the pedestrian safety concerns above, there have been multiple near misses and a previous bicycle death with low visibility (due to the hedge/fence) exiting the University. The permeability will help strengthen this entrance and protect pedestrians, cyclists and general traffic. Please refer to the projects Transport and Accessibility Impact Assessment (Appendix H).

Other options have been explored however noting the importance of the pedestrian safety and access to public transport and permeability to campus, this option has been pursued because it is imperative that we protect the pedestrians, and indeed all users, coming onto campus. By opening up the fence/hedge, it allows for a safer entrance into the University, with mitigation measures proposed to reduce the heritage impact of the design.

This is further supported by the submission to SSD-57838709 received from Transport for NSW (TfNSW) which suggests, and supports, a wider footpath along the Parramatta Road corridor to support better accessibility to the bus stop, and improve walkability in the area. The comments note that it will further improve this area, encouraging more pedestrian movement and reducing pedestrian congestion.

From a heritage perspective, it is noted that the majority of this fence was reconstructed in 2012, and whilst a reconstruction of the original – it is not the original fabric. The Ross Street have also been relocated previously, diminishing the integrity of this section of the fence. Nonetheless, it is acknowledged that removing this fence does remove part of a heritage item, and change the entry into the campus. However, we disagree that it will diminish the prominence of the entry overall. The creation of a new, open entry, celebrates and enhances this historic entry point, maintaining Ross Street entry (including the gates) and allowing a wider entry experience that will enable a greater number of users to experience the University in an equitable, and safe manner. This, in turn, assists in maintaining the continued, historic use of the place as a whole, as per the CMP – and as evidenced by the success of the City Road entrance change for student and visitor amenity and safety improvements.

The proposed interpretation of the fence line in the ground, as discussed in the HIS and in the landscape plans, celebrates the idea of the threshold and crossing into the University whilst fostering an open and more accessible campus for all, in line with contemporary standards.

The removal of palisade fencing to more public facing spaces and institutions has precedence across Sydney, and includes the removal of fencing at the F23 Administration Building, along the City Road

Boundary of the Camperdown and Darlington Campus. The removal of the fencing is a small amount of the total fencing across the site, and the boundary and significance of the campus will still be maintained both within proximity to the site and across the wider University. Overall, the removal of less than 2% of the total fencing will not impact the publics ability to understand its significance or historic function and will result in a minor, adverse heritage impact on the campus as a whole.

d) An assessment of heritage impact to significant vegetation.

The area and trees in question comprise six no. *Casuarina Glaucas* sp. trees.

The Grounds CMP indicates that this space formed part of the *Picturesque* design phase, from c.1850s-1890s. It is further noted that the trees themselves are indicatively shown as part of the 1969 Western Avenue Road and Landscaping Works (see Figure 2.47 of the CMP, reproduced below), which is further substantiated by their species – *Casuarina Glaucas* – which was noted as fashionable and widespread in campus landscape design from the 1960s onwards (CMP p75).

In terms of the grading of elements, the space itself (i.e. adjacent to the roadway) is graded as of Little Significance (Figure 4.2 of the CMP, reproduced below). The trees themselves are ambiguous in their grading, in that they are coloured yellow – however do not contain either an "E" or an "EW" that are noted in the legend.

According to Tree IQ, these trees are of Moderate Significance, which in terms of Landscape Significance are noted as "*making a positive contribution to the visual character, amenity or canopy cover of the area, providing a specific function such as screening or minimising the scale of a building and is a good representative of the species in terms of aesthetic valu*e".

The loss of the six trees of Moderate Significance (from an arboriculture, not heritage perspective) will have a minor adverse impact on the significance of the landscape in this area. The Arborist has advised these trees are all heavily suppressed as they have suckers at the base, which further supports their removal.

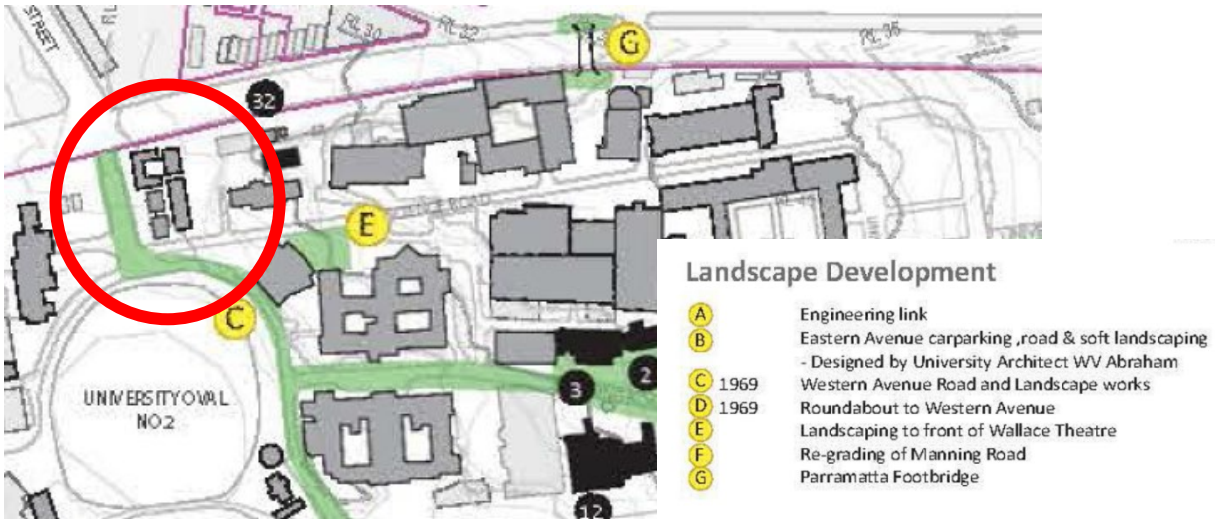

Figure 3 – Excerpt from Post-WWII (Late Modernism) (1960-1969) development of the campus. Site circled in red, legend inset.

Source: The University of Sydney Grounds Conservation Management Plan, Clive Lucas Stapleton & Partners, p66.

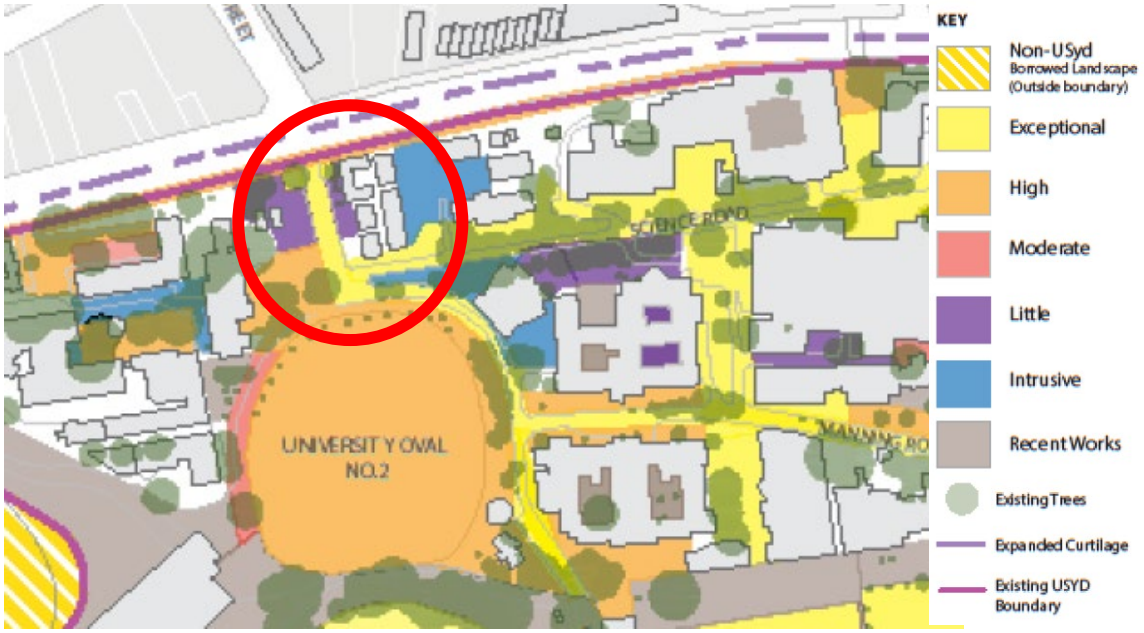

Figure 4 – Excerpt of Gradings of significance: landscapes and open spaces. Site circled in red. Legend inset.

Source: The University of Sydney Grounds Conservation Management Plan, Clive Lucas Stapleton & Partners, p104.

Figure 5 – Excerpt of Cultural soft landscape: significant trees and types of open spaces and landscape. Site circled in red. Legend inset.

Source: The University of Sydney Grounds Conservation Management Plan, Clive Lucas Stapleton & Partners, p105.

e) ***Identification of weather the guard house on Western Avenue is significant, with reference to Policy 10 of The University of Sydney Grounds Conservation Management Plan (Clive Lucas, Stapleton and Partners, 2019) and an assessment of heritage impact as appropriate.***

The Guard House is of No Significance, and is a later (post 1960s) structure, likely constructed as part of the Western Avenue Road and landscaping works (c.1969, see Grounds CMP). There will be no heritage impact resulting from its removal.

Figure 6 – Photo of existing Gatehouse

Source: extract from Viewpoint 02, A01 Ross Street Visual Impact Assessment, Urbis.

2. A Heritage Interpretation Plan, prepared to comply with Condition B14 of development consent SSD-6123-Mod-2.

The Heritage Impact Statement discusses this condition and the ambiguity around the wording of Condition B14 of SSD-6123-Mod-2. Please refer to Table 2 of the HIS.

Nonetheless, interpretation of the fence has been undertaken in the proposed landscape design comprising a flush sandstone inlay evoking the sandstone base to be placed along the historic fence line. This inlay will ensure that the understanding of the historic function of the palisade fence as a formal demarcation of the university boundaries is maintained.

URBIS

4. ARCHAEOLOGY

Heritage NSW comments with regard to the Historical Archaeological Impact Assessment are as follows:

The HAIA identifies high potential for archaeological deposits associated with Phase 3 of the site's use, consisting of air raid trenches excavated during WWII and the construction of the Transient Building. Construction of the Transient Building in 1945 would likely have required limited excavation to lay brick plinth footings. Intact archaeological deposits associated with Phase 3 are likely to be of local significance.

Section 5.3 of the HAIA states that it is unlikely that remains from Phase 3 would be resent with sufficient intactness to be assessed as locally significant. Based on the information provided in the background and physical assessment of the HAIA, Heritage NSW does not consider that this statement is supported.

There are also noted inconsistencies between recommendations provided in the HAIA and the proposed mitigation measures outlined in the EIS. For example, the HAIA concludes that no further investigation is required and recommends use of an unexpected finds procedure to manage archaeology while the mitigation measures in the EIS state that archaeological monitoring will be undertaken. Based on the information provided in the EIS, HNSW considers further archaeological investigation would be appropriate.

The response further indicates that an updated HAIA and an Archaeological Research Design are required to be submitted. The following information is provided in response to this requirement.

- The HAIA identifies that while there is high potential for remains of the Phase 3 air raid trenches, there is Low potential for intact remains which would be likely to qualify as relics of local or State significance. This is due to the previous disturbances which have occurred on site between 1945 and present day including placement of piles across the area where air raid trenches previously existed, as well as installation of services and earthworks up to 600mm depth below ground level following removal of the Transient Building (also known as the Ross St Building). The construction of the Transient building itself required cutting across the site for the purposes of levelling and the installation of footings. These activities are likely to have caused movement (at minimum) or archaeological remains, and may have included removal in some cases.
- The HAIA can be updated to include some additional descriptions and images demonstrating the extent of works on the Transient Building (Ross St Building) which indicate that the archaeological remains of Phase 3 are unlikely to be in a condition to meet the threshold for relics.

Figure 7 – Image of Transient Building (also known as Ross St Building) taken in 2015, facing north

Source: provided by the University of Sydney

Figure 8 – Transient Building (Ross St Building) under construction, showing installation of footings and piles

Source: Provided by the University of Sydney

Figure 9 – Standing on site looking west. The building is sunken from natural grade including on the lower side of the slope.

Source: provided by the University of Sydney

5. CONCLUSION

The proposal is the result of a detailed design development following the approval of the Campus Improvement Program SSD-6123, and the works are in compliance with this approval. The bulk and scale of the design were approved under CIP, and are in accordance with the approval. The design, materiality, setbacks and overall approach taken for the new building have reviewed and responded to the R.D Watt Building and the J.D Stewart buildings as part of the significant heritage context of the site. This has resulted in a sensitive, contemporary addition that will not adversely affect the heritage significance of the place.

The removal of part of the palisade fence is necessary and justified from a pedestrian and user safety standpoint, and whilst resulting in some heritage impact, this is necessary and has been mitigated by the proposed interpretation of the fence in the landscape design. Furthermore, the Ross Street gates have been relocated in the past, diminishing the integrity of the fence and entry as a whole.

The removal of vegetation is supported by the project arborist who has determined that the trees are of Moderate significance (from an arboriculture, not heritage perspective), and are all heavily supressed, further supporting their removal.

Archaeological investigation is unlikely to yield intact archaeological remains of Phase 3 which would meet the threshold for local (or State) significance.

We trust this response provides the information required to continue the assessment of the proposal.

Should you require any clarification, please do not hesitate to contact me.

Yours faithfully,

Renee Riley
Associate Director
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rriley@urbis.com.au

**Department of Climate Change,
Energy, the Environment and Water**

Our ref: HMS ID 9519

Patrick Nash
Senior Planning Officer
Department of Planning, Housing and Infrastructure
patrick.nash@planning.nsw.gov.au

Response sent via email

Additional Advice– State Significant Development

Proposal: Ross Street Teaching and Learning Hub

Major Project reference: SSD-57838709

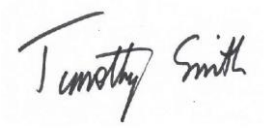
Dear Patrick,

Following a meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the above State Significant Development (SSD) proposal, the purpose of this letter is to provide additional advice to the Department on the project.

The resolutions made by the Approvals Committee can be found on the Heritage NSW website. Based on these resolutions, Heritage NSW has provided detailed comments in **Attachment A**.

If you have any questions about this correspondence, please contact James Cole, Senior Assessments Officer at Heritage NSW on (02) 9873 8500 or heritagemailbox@environment.nsw.gov.au

Yours sincerely,



Tim Smith, OAM
Director Assessments
Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate of the Heritage Council of NSW
28 May 2025

Attachment A: Heritage NSW comments on the Environmental Impact Statement

Following referral of this matter to the Approvals Committee of the Heritage Council of NSW, additional comments are provided below, on behalf of Heritage NSW.

The Heritage Council notes that additional information was provided by the Applicant on 12 April, following our initial comment on the Environmental Impact Statement. Heritage NSW thanks the Applicant for this timely response, which addressed a number of the comments which had been raised.

Removal of fencing

The heritage Council notes that it does not support the removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney. The fence is a significant element in marking the boundary of the university and the section of fencing along Parramatta Road is substantially intact. Without the associated fencing, it is also considered that the Ross Street gates would lose their context.

No analysis of other options considered which may reduce or avoid heritage impacts while achieving the same safety outcome was provided. It is considered that the heritage impact of the removal has not been sufficiently justified.

The Heritage Council noted that options for discrete openings within the fence could be pursued as a part of the project design, and that trimming or removal of the existing hedge in this location could also be considered to increase its visual permeability.

Historical archaeology

The Heritage Council noted the potential of the site to retain archaeological deposits associated with World War II era air raid trenches (1941-1945) and the construction to the Transient Building (constructed 1945, demolished 2010). These have both been assessed by the EIS as having local significance.

Both the Heritage Council and Heritage NSW do not support the EIS assessment, and correspondence from the Applicant, that there is low potential for intact remains of significance to be present on site, based on disturbances including earthworks and the installation of piles, footings, and services associated with the Transient Building and more recent demountable buildings. It is noted that many of the disturbances described would consist of impacts to relatively isolated areas, and it is considered that there is the potential for archaeology associated with these trenches to remain intact and interpretable within the site.

Intact cut and fill deposits associated with World War II air raid trenches would be of historical significance at a local level and have the potential to contribute to the interpretation of the site as a part of the project. Based on the information available, we assess that there is moderate potential for intact archaeological deposits, which would appropriately be managed through a program of archaeological testing or monitoring prior to the commencement of works.

The Heritage Council suggests that an Archaeological Research Design (ARD), providing a methodology for archaeological investigations, be required in accordance with the guideline *Archaeological Assessments* (Heritage Office and DUAP 1996).

Significant trees

An initial response from the applicant states that there is ambiguity in the significance grading of the trees, as Figure 4.2 of the Grounds Conservation Management Plan shows the trees marked in yellow but does not include an 'E' or 'EW' as shown in the key to the figure. Based on a review of the map, the position of Heritage NSW is that the trees are graded as exceptional.

It is also noted that the Arboricultural assessment (treeiQ 2024) states that the trees are in good health, have good structural condition, and recommends that they are considered for retention.

Heritage NSW requests justification and assessment of heritage impact for the removal of these trees as a part of the proposed works.

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Condition B14 of development consent SSD-6123-Mod-2 states that '*all future development applications for new built form that involve the demolition or alteration of existing items of heritage significance shall include a heritage interpretation plan*'. An initial response from the Applicant suggests some ambiguity in the phrasing of this condition, with sub-conditions referring to 'buildings' only.

The Heritage Council is of the opinion that the proposed relocation of the Ross Street Gates and removal of a section of the heritage stone and metal fence are both examples of demolition or alteration to an existing item of heritage significance and would therefore warrant the preparation of a Heritage Interpretation Plan. A Heritage Interpretation Plan would be required to satisfy Condition B14.

Future development

The Heritage Council Approvals Committee invites the University of Sydney to make a presentation to the committee regarding potential future development of Building A03, adjacent to the current proposed development on the western side of Western Avenue, prior to the lodgement of any development application regarding the site. The Heritage Council notes that this item does not form a part of the current application.

From:	Jagjeet Shergill
To:	James Cole
Cc:	alison.lamond; Anna Simanowsky; Drew Bagnall; Nora Babik; Laura MacMahon
Subject:	RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
Date:	Wednesday, 16 July 2025 10:10:35 AM
Attachments:	Heritage NSW - Additional Advice.pdf image001.png image002.png image003.png image004.png image005.png A01 Ross St Palisade Fence Review.pdf

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Thanks for sending through the meeting invite James.

As a brief agenda, the University would like to present the details, rationale and justification behind its draft responses to the matters raised in the additional Heritage NSW advice, dated 28 May 2025 (attached).

1. Removal of fencing
2. Historical archaeology
3. Significant trees
4. Heritage interpretation

Specifically, regarding Item 1 Removal of fencing, the University has prepared two options (attached) for Heritage NSW's consideration and will subsequently like to seek agreement from Heritage NSW on a preferred option to proceed with following the meeting.

The two options have been prepared in response to Heritage NSW's feedback received about discrete openings along the fence boundary.

For context, the University will also be meeting with the City of Sydney shortly to also discuss the two options, and seek feedback, as the City's submission during the public exhibition of the SSD also had a similar comment relating to the removal of fencing.

Please let me know if you have any questions prior to our meeting next Tuesday.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

THE UNIVERSITY OF SYDNEY
Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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-----Original Appointment-----
From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 16 July 2025 9:08 AM
To: Jagjeet Shergill
Cc: alison.lamond; Anna Simanowsky

Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
When: Tuesday, 22 July 2025 11:00 AM-12:00 PM (UTC+10:00) Canberra, Melbourne, Sydney.
Where: Microsoft Teams Meeting

Hi Jag,

Please see the Teams link below for the Ross Street Teaching and Learning Hub meeting.

Thanks very much,

James

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 221 903 441 777 0
Passcode: yM9C9Q9N

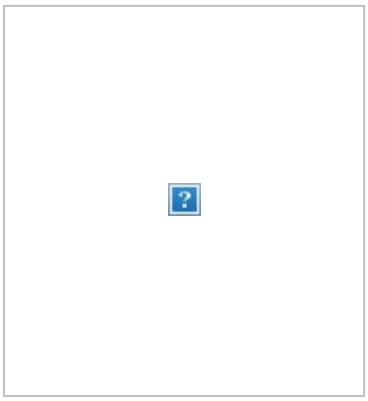
Dial in by phone

+61 2 8318 0003,,118299972# Australia, Sydney
1800 568 994,,118299972# Australia (Toll-free)
Find a local number
Phone conference ID: 118 299 972#

Join on a video conferencing device

Tenant key: dpiensw@m.webex.com
Video ID: 111 835 724 0
More info

For organizers: Meeting options | Reset dial-in PIN



Please use the Teams application for meetings and the toll free 1800 number for dial in phone access.

Org help | Privacy and security

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 10 July 2025 10:57 AM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Thanks for your prompt response.

Could we please lock in Tuesday 22 July, 11am – 12pm for a meeting time.

The University will send through an agenda and supporting documentation for your information, prior to the meeting.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Tuesday, 8 July 2025 4:43 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

Thank you for your email and for the update on the project. We would be happy to meet to discuss the draft responses to Heritage NSW's submission on the project.

Our availability in the next week is limited, however we would be available to meet on Monday 21 July at 1pm, or on Tuesday 22 July any time after 11am if this would suit?

To let you know, I will be on leave for the remainder of this week relating to a personal matter but will arrange a meeting invite as soon as I am able following your response.

Thanks very much,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

4PSQ Level 17 Mailroom
12 Darcy St
Parramatta NSW 2150

Working days Monday to Friday, 09:00am - 05:00pm

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Monday, 7 July 2025 5:05 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you're well.

The University of Sydney (the University) is currently preparing its Response to Submissions (RtS) on the Ross Street Teaching and Learning Hub State Significant Development Application (the application), including responding to the comments Heritage NSW has provided in the letter dated 28

May 2025 (attached).

Prior to formally submitting the RtS to the Department of Planning, Housing and Infrastructure (DPHI), the University would greatly appreciate the opportunity to present and discuss draft responses to the matters raised in the Heritage NSW letter to ensure that the comments have been adequately addressed.

Would it be possible for the University team to meet with the Heritage NSW team to discuss further? If so, could you please outline any availabilities you may have over the next week or so to either meet virtually over Teams.

Looking forward to hearing from you, and please do not hesitate to contact me if you have any questions.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 28 May 2025 5:26 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Patrick Nash <patrick.nash@planning.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

I hope you are well, and thank you for your patience. I am just getting in contact following the meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the Ross Street Teaching and Learning Hub to provide additional advice on the project. Based on the resolutions provided by the Approvals Committee noted in your email below, Heritage NSW has provided comments in the attached letter.

I hope this assists, but please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*

Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

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I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Sent: Wednesday, 21 May 2025 9:32 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; James Cole <james.cole@environment.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag
Unfortunately James is unwell this week, but we are putting together information for you from the outcomes of the Heritage Council meeting and will get it thorough to you next week.
Regards

Alison Lamond *BSci, BA (Hons), (she/her)*
A/ Strategic Manager - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

M 0419 762 918 **E** alison.lamond@environment.nsw.gov.au

dcceew.nsw.gov.au

Level 3, 6 Stewart Ave

Newcastle West NSW 2303

Locked Bag 1002, Dangar NSW 2309

Working days Monday to Friday, 9:00am - 5:00pm

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Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Tuesday, 20 May 2025 3:25 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you've been well.

The University are currently in the midst of preparing its Response to Submissions (RtS) regarding the A01 Ross Street Teaching & Learning Hub, and would like to follow up on how the May Approvals Committee Meeting went.

We are aware that the meeting resolutions are available online (see extract below), and would like to understand what the expected next steps are from Heritage NSW's perspective, and if there would be any formal feedback provided to the University as part of the process.

Happy to discuss further,
Jag

2.3 Sydney University (SHR 01974) - SSD 57838709 EIS - Ross Street Teaching and Learning Hub
Resolution 2025-16
The Heritage Council Approvals Committee: 1. **Requests** Heritage NSW write to the Department of Planning, Housing and Infrastructure noting that: a. The removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney is not supported, however options for discrete openings within the fence could be pursued as a part of the project design.

[redacted]

b. Additional information regarding the proposed impacts to significant elements, including clear justification for the removal of significant trees, and a revised assessment of archaeological potential must be provided. c. A Heritage Interpretation Plan must be submitted in support of the application. 2. **Invites** the University of Sydney to present to the Approvals Committee prior to the submission of future applications relating to Building A03.
Moved by Bruce Pettman and seconded by Julie Marler *Dr Caitlin Allen left the meeting for this item.*

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: Jagjeet Shergill
Sent: Friday, 11 April 2025 12:55 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Maria Schroder <maria.schroder@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Please refer to the **attached** interim response from the University of Sydney to Heritage NSW's Request for Further Information Letter dated 26 March 2025.

As requested, the purpose of the interim response is to assist the preparation of the Heritage NSW paper being taken to the May Heritage Council Approvals Committee, to seek advice on the A01 Ross Street Teaching & Learning Hub (SSD-57838709).

Following the end of the exhibition period of the EIS earlier this week, as part of the formal Response to Submissions Report being prepared by the University, it will include a more holistic response to the matters raised to date by Heritage NSW.

Please refer to the following link containing attachments that support the interim response, along with the **attached** submission received by Transport for NSW received during public exhibition of the EIS, which is referred to within the interim response, conveying support for the widening of the footpath adjacent to the Ross Street Gates & Fence.

Supporting Documentation

Should you require any further information, please do not hesitate to contact me.

Kind regards,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Thursday, 27 March 2025 10:40 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jagjeet,

I hope you are well, I am just getting in touch regarding the Ross Street Teaching and Learning Hub project (SSD-57838709), on which Heritage NSW has recently received an EIS referral from DPHI.

Please find attached to this email Heritage NSW's response to the Environmental Impact Statement referral, which includes a request for additional information to inform our assessment and advice to DPHI on the project. As previously noted in pre-lodgement consultation with Heritage NSW, this referral will also be taken to the Approvals Committee of the Heritage Council to receive its advice on the proposal.

Heritage NSW intends to submit a paper for the consideration of the Approvals Committee at its meeting in early May. While we recognise that a full response to Heritage NSW's EIS submission is unlikely to be achievable within this timeframe, we would be happy to incorporate any

additional information that can be provided in the interim into our paper. I would request that you provide any interim response directly to me via email by 11 April 2025 to allow sufficient time for this to be incorporated.

Please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8500 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

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**Department of Climate Change,
Energy, the Environment and Water**

Our ref: HMS ID 9519

Patrick Nash
Senior Planning Officer
Department of Planning, Housing and Infrastructure
patrick.nash@planning.nsw.gov.au

Response sent via email

Additional Advice– State Significant Development

Proposal: Ross Street Teaching and Learning Hub

Major Project reference: SSD-57838709

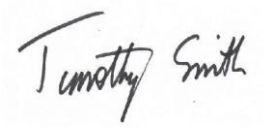
Dear Patrick,

Following a meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the above State Significant Development (SSD) proposal, the purpose of this letter is to provide additional advice to the Department on the project.

The resolutions made by the Approvals Committee can be found on the Heritage NSW website. Based on these resolutions, Heritage NSW has provided detailed comments in **Attachment A**.

If you have any questions about this correspondence, please contact James Cole, Senior Assessments Officer at Heritage NSW on (02) 9873 8500 or heritagemailbox@environment.nsw.gov.au

Yours sincerely,



Tim Smith, OAM
Director Assessments
Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate of the Heritage Council of NSW
28 May 2025

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The heritage Council notes that it does not support the removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney. The fence is a significant element in marking the boundary of the university and the section of fencing along Parramatta Road is substantially intact. Without the associated fencing, it is also considered that the Ross Street gates would lose their context.

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Heritage interpretation

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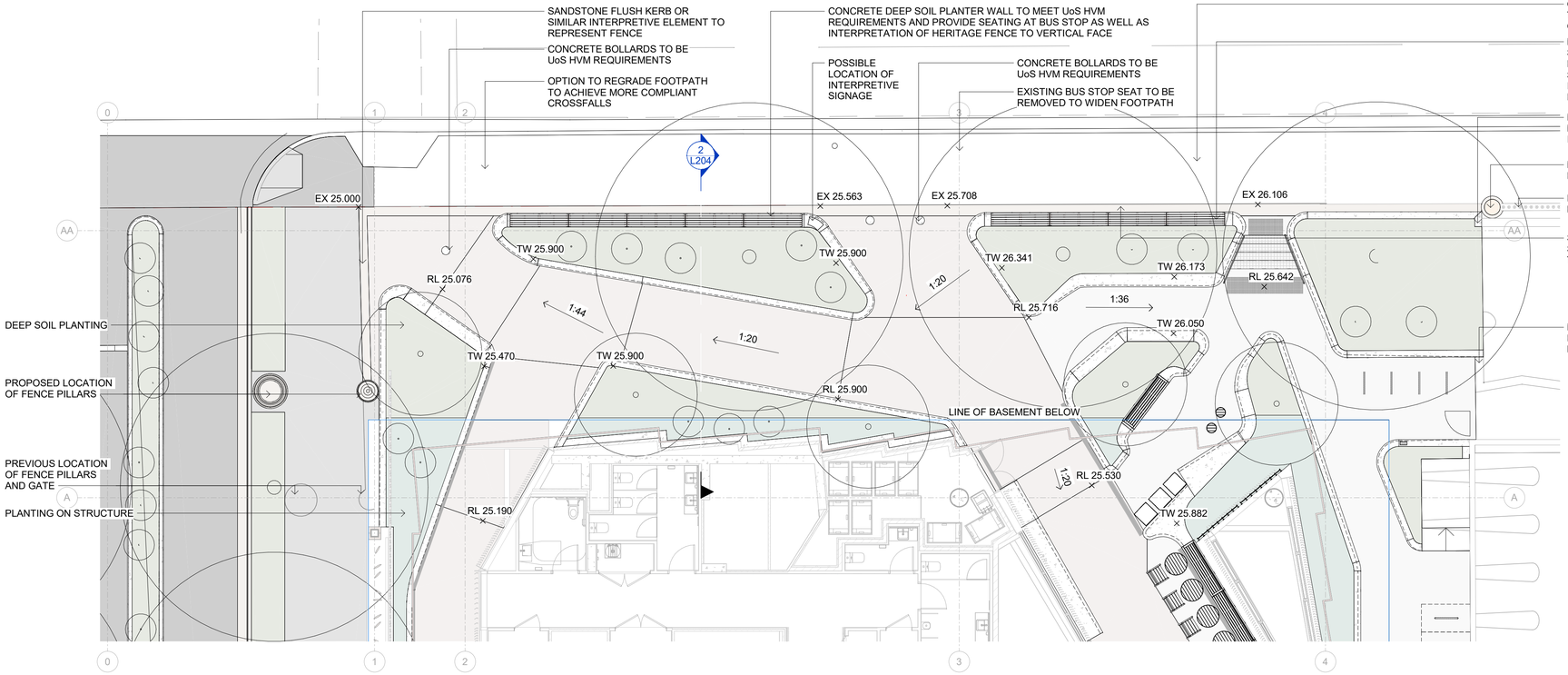
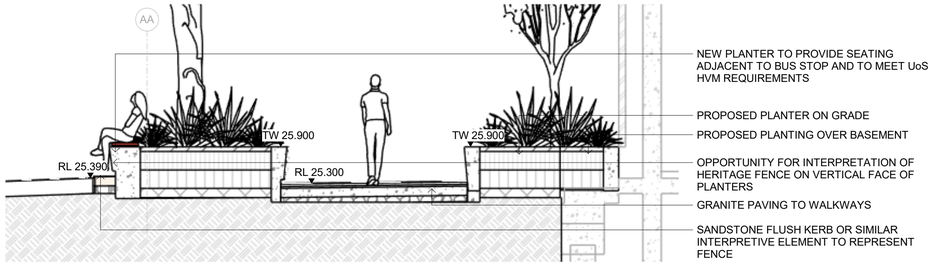
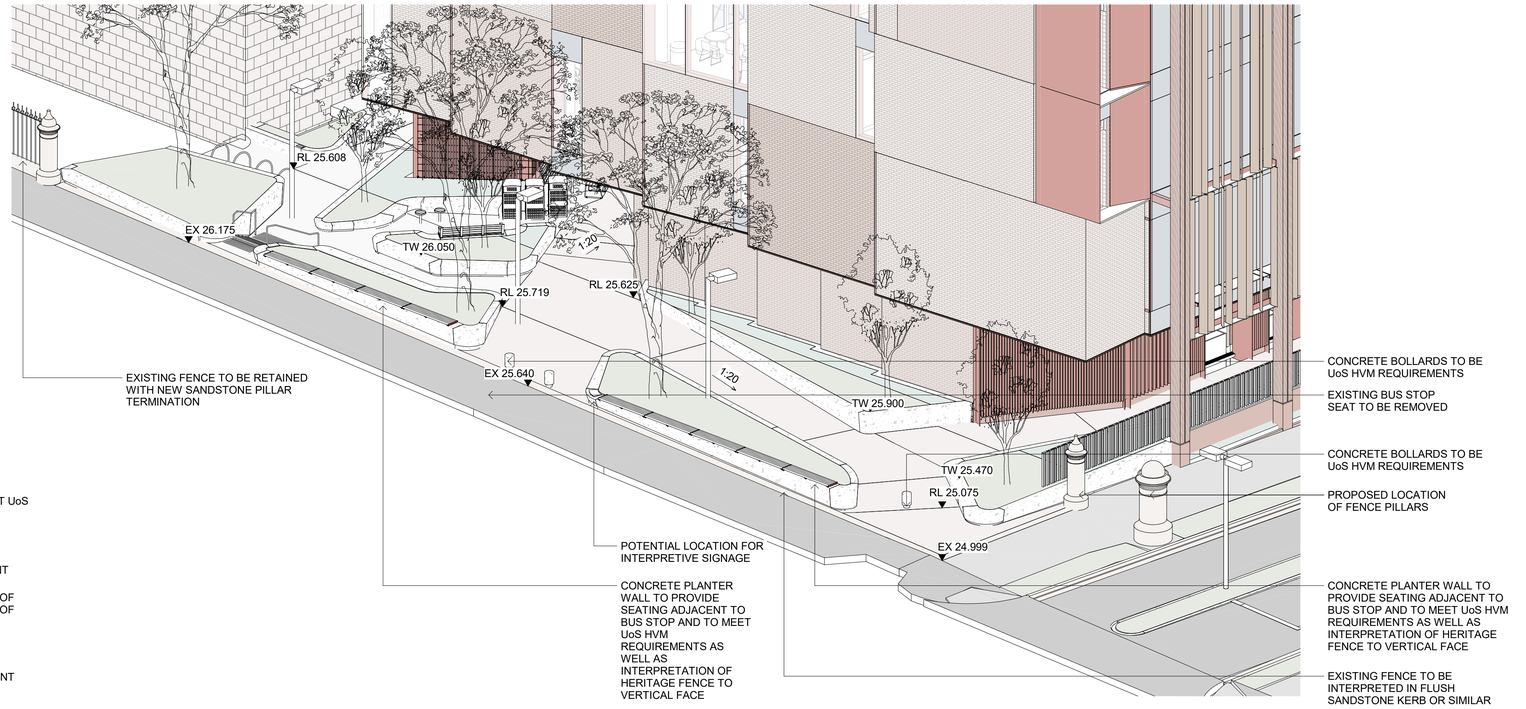


1 OPTION 3 - PLAN
1 : 100



2/20 OPTION 3 - SECTION
1 : 50



3 OPTION 3 - 3D AXO

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ISSUE	DATE	AMENDMENT	DRN	APRVD
1	12.06.25	DRAFT FENCE OPTIONS	GH	KS

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02 9557 5533 australia@oculus.info
Sydney - Gadigal Country
Melbourne - Wurundjeri Woi Wurrung Country
Canberra - Ngunnawal Country

PROJECT
A01 ROSS ST TEACHING & LEARNING HUB
ROSS ST, SYDNEY UNIVERSITY

CLIENT
THE UNIVERSITY OF SYDNEY

ARCHITECT
BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 3

PROJECT Nº	SHEET SIZE
S23-024	A1
DRAWING Nº	ISSUE
L204	1

Autodesk Docs://OC_A01 Ross St/A01-L-00M-LANDSCAPE-RVT.rvt

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Autodesk Docs://OC_A01 Ross St/A01-L-00M-LANDSCAPE-RVT.rvt

ISSUE	DATE	AMENDMENT	DRN	APRVD
1	12.06.25	DRAFT FENCE OPTIONS	GH	KS

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PROJECT
A01 ROSS ST TEACHING & LEARNING HUB
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ARCHITECT
BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

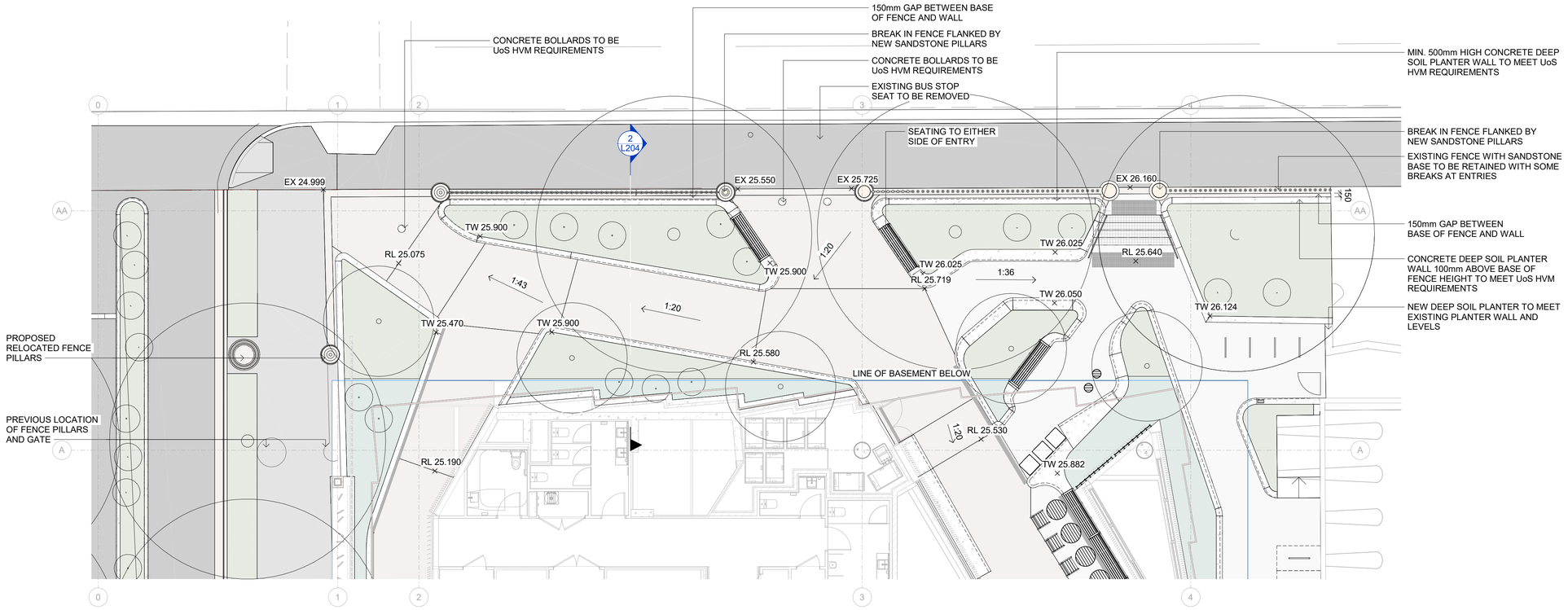
DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 3 INTERPRETIVE IMAGES

PROJECT Nº
S23-024

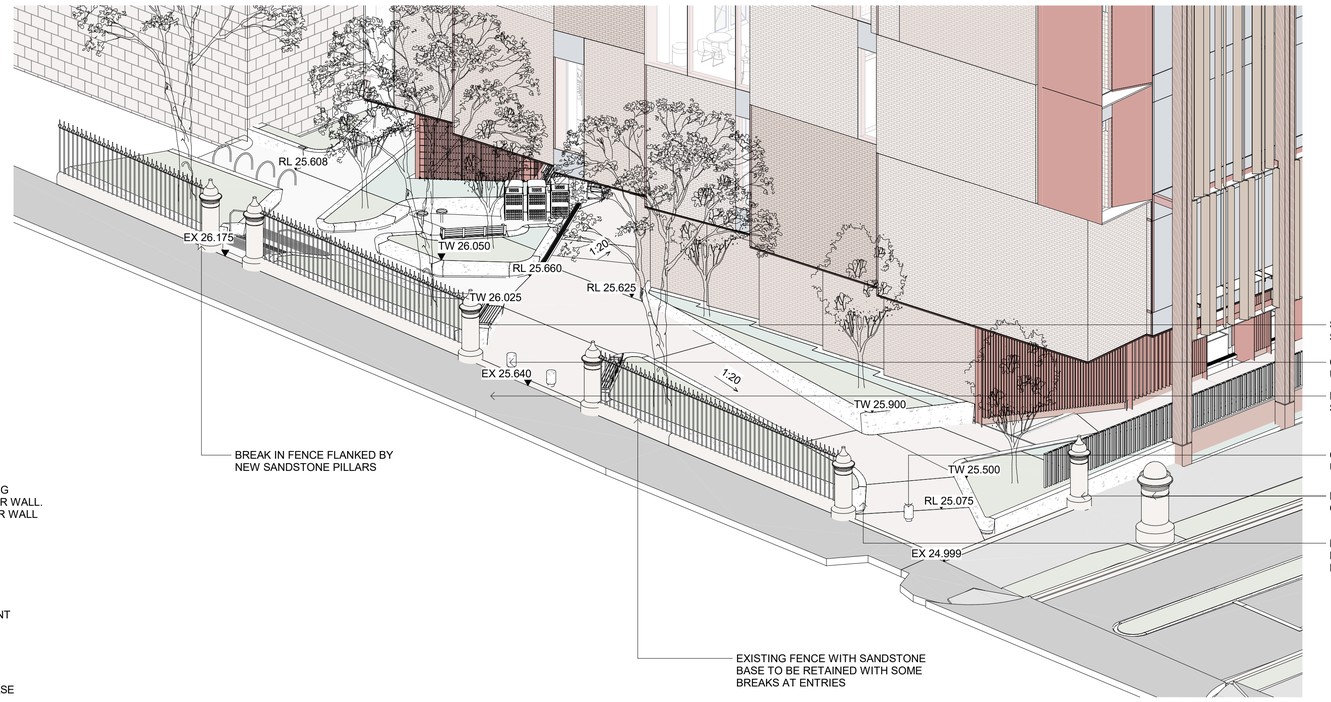
SHEET SIZE
A1

DRAWING Nº
L205

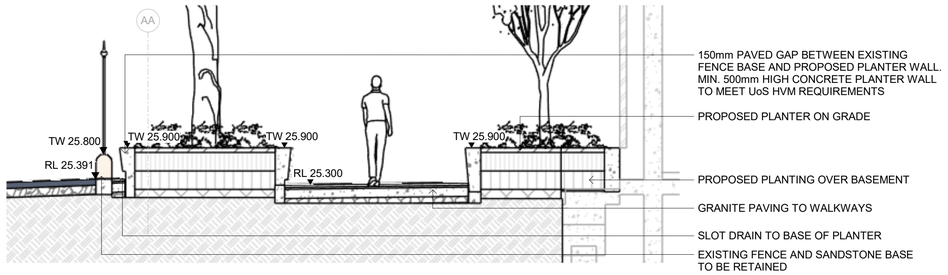
ISSUE
1



1 OPTION 2A - PLAN
1 : 100



3 OPTION 2A - 3D AXO



2/20 OPTION 2A - SECTION
1 : 50

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ISSUE	DATE	AMENDMENT	DRN	APRVD
1	12.06.25	DRAFT FENCE OPTIONS	GH	KS

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PROJECT
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BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 2A

PROJECT Nº S23-024
SHEET SIZE A1
DRAWING Nº L202
ISSUE 1

Autodesk Docs://OC_A01 Ross St/A01-L-00M-LANDSCAPE-RVT.rvt

From:	Jagjeet Shergill
To:	James Cole
Cc:	alison.lamond; Anna Simanowsky; Drew Bagnall; Nora Babik; Laura MacMahon; Maria Schroder
Subject:	RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
Date:	Wednesday, 23 July 2025 5:22:18 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png A - A01 Ross Street Teaching & Learning Hub - Presentation to HNSW Meeting.pdf B - Tree Significant Assessment.pdf C - Site Photographs of GPR Survey - The University Quadrangle Lawns WWII Trenches.pdf

Hi James,

Thanks for your time yesterday to meet.

As requested, please refer to the following attachments:

a. PowerPoint presentation slides (as shared during the meeting).
b. Tree Significance Assessment (in response to Item 3 Significant Trees, in the Heritage NSW Additional Advice Letter, dated 28 May 2025)
c. Site photographs of a recent GPR Survey undertaken at the University of Sydney Quadrangle Lawns (showing intact examples of several WWII zig-zag air raid trenches)

As mentioned, the University is aiming to lodge its RtS to DPHI by end of month and would appreciate Heritage NSW's additional feedback in relation to Item 1 'Removal of fencing', and Item 2 'Historical archaeology', specifically a preference on a proposed palisade fence option by next Monday 28 July.

Please do not hesitate to contact me if you need anything further.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

THE UNIVERSITY OF SYDNEY
Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: Jagjeet Shergill
Sent: Wednesday, 16 July 2025 10:09 AM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney

Thanks for sending through the meeting invite James.

As a brief agenda, the University would like to present the details, rationale and justification behind its draft responses to the matters raised in the additional Heritage NSW advice, dated 28 May 2025 (attached).

1. Removal of fencing
2. Historical archaeology
3. Significant trees
4. Heritage interpretation

Specifically, regarding Item 1 Removal of fencing, the University has prepared two options (attached) for Heritage NSW's consideration and will subsequently like to seek agreement from Heritage NSW on a preferred option to proceed with following the meeting.

The two options have been prepared in response to Heritage NSW's feedback received about discrete openings along the fence boundary.

For context, the University will also be meeting with the City of Sydney shortly to also discuss the two options, and seek feedback, as the City's submission during the public exhibition of the SSD also had a similar comment relating to the removal of fencing.

Please let me know if you have any questions prior to our meeting next Tuesday.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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-----Original Appointment-----
From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 16 July 2025 9:08 AM
To: Jagjeet Shergill
Cc: alison.lamond; Anna Simanowsky
Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
When: Tuesday, 22 July 2025 11:00 AM-12:00 PM (UTC+10:00) Canberra, Melbourne, Sydney.
Where: Microsoft Teams Meeting

Hi Jag,

Please see the Teams link below for the Ross Street Teaching and Learning Hub meeting.

Thanks very much,

James

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 221 903 441 777 0

Passcode: yM9C9Q9N

Dial in by phone

+61 2 8318 0003,,118299972# Australia, Sydney

1800 568 994,,118299972# Australia (Toll-free)

Find a local number

Phone conference ID: 118 299 972#

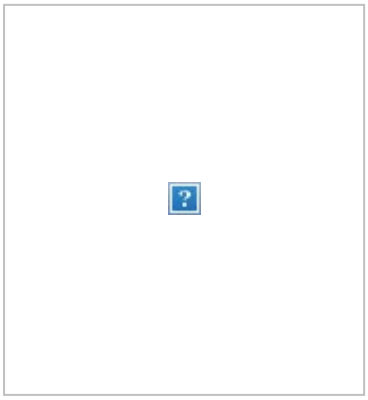
Join on a video conferencing device

Tenant key: dpiensw@m.webex.com

Video ID: 111 835 724 0

More info

For organizers: Meeting options | Reset dial-in PIN



Please use the Teams application for meetings and the toll free 1800 number for dial in phone access.

Org help | Privacy and security

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 10 July 2025 10:57 AM
To: James Cole <james.cole@environment.nsw.gov.au>

Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Thanks for your prompt response.

Could we please lock in Tuesday 22 July, 11am – 12pm for a meeting time.

The University will send through an agenda and supporting documentation for your information, prior to the meeting.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Tuesday, 8 July 2025 4:43 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

Thank you for your email and for the update on the project. We would be happy to meet to discuss the draft responses to Heritage NSW's submission on the project.

Our availability in the next week is limited, however we would be available to meet on Monday 21 July at 1pm, or on Tuesday 22 July any time after 11am if this would suit?

To let you know, I will be on leave for the remainder of this week relating to a personal matter but will arrange a meeting invite as soon as I am able following your response.

Thanks very much,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

4PSQ Level 17 Mailroom
12 Darcy St
Parramatta NSW 2150

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I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Monday, 7 July 2025 5:05 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you're well.

The University of Sydney (the University) is currently preparing its Response to Submissions (RtS) on the Ross Street Teaching and Learning Hub State Significant Development Application (the application), including responding to the comments Heritage NSW has provided in the letter dated 28 May 2025 (attached).

Prior to formally submitting the RtS to the Department of Planning, Housing and Infrastructure (DPHI), the University would greatly appreciate the opportunity to present and discuss draft responses to the matters raised in the Heritage NSW letter to ensure that the comments have been adequately addressed.

Would it be possible for the University team to meet with the Heritage NSW team to discuss further? If so, could you please outline any availabilities you may have over the next week or so to either meet virtually over Teams.

Looking forward to hearing from you, and please do not hesitate to contact me if you have any

questions.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 28 May 2025 5:26 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Patrick Nash <patrick.nash@planning.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

I hope you are well, and thank you for your patience. I am just getting in contact following the meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the Ross Street Teaching and Learning Hub to provide additional advice on the project. Based on the resolutions provided by the Approvals Committee noted in your email below, Heritage NSW has provided comments in the attached letter.

I hope this assists, but please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

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12 Darcy St
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I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

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From: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Sent: Wednesday, 21 May 2025 9:32 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; James Cole <james.cole@environment.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag
Unfortunately James is unwell this week, but we are putting together information for you from the outcomes of the Heritage Council meeting and will get it thorough to you next week.
Regards

Alison Lamond *BSci, BA (Hons), (she/her)*
A/ Strategic Manager - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

M 0419 762 918 **E** alison.lamond@environment.nsw.gov.au

dcceew.nsw.gov.au

Level 3, 6 Stewart Ave
Newcastle West NSW 2303

Locked Bag 1002, Dangar NSW 2309

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I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

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From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Tuesday, 20 May 2025 3:25 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you've been well.

The University are currently in the midst of preparing its Response to Submissions (RtS) regarding the A01 Ross Street Teaching & Learning Hub, and would like to follow up on how the May Approvals Committee Meeting went.

We are aware that the meeting resolutions are available online (see extract below), and would like to understand what the expected next steps are from Heritage NSW's perspective, and if there would be any formal feedback provided to the University as part of the process.

Happy to discuss further,
Jag

2.3 Sydney University (SHR 01974) - SSD 57838709 EIS - Ross Street Teaching and Learning Hub
Resolution 2025-16
The Heritage Council Approvals Committee: 1. **Requests** Heritage NSW write to the Department of Planning, Housing and Infrastructure noting that: a. The removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney is not supported, however options for discrete openings within the fence could be pursued as a part of the project design.

b. Additional information regarding the proposed impacts to significant elements, including clear justification for the removal of significant trees, and a revised assessment of archaeological potential must be provided. c. A Heritage Interpretation Plan must be submitted in support of the application. 2. **Invites** the University of Sydney to present to the Approvals Committee prior to the submission of future applications relating to Building A03.
Moved by Bruce Pettman and seconded by Julie Marler *Dr Caitlin Allen left the meeting for this item.*

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

Celebrating 175 years

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From: Jagjeet Shergill
Sent: Friday, 11 April 2025 12:55 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Maria Schroder <maria.schroder@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Please refer to the **attached** interim response from the University of Sydney to Heritage NSW's Request for Further Information Letter dated 26 March 2025.

As requested, the purpose of the interim response is to assist the preparation of the Heritage NSW paper being taken to the May Heritage Council Approvals Committee, to seek advice on the A01 Ross Street Teaching & Learning Hub (SSD-57838709).

Following the end of the exhibition period of the EIS earlier this week, as part of the formal Response to Submissions Report being prepared by the University, it will include a more holistic response to the matters raised to date by Heritage NSW.

Please refer to the following link containing attachments that support the interim response, along with the **attached** submission received by Transport for NSW received during public exhibition of the EIS, which is referred to within the interim response, conveying support for the widening of the footpath adjacent to the Ross Street Gates & Fence.

Supporting Documentation

Should you require any further information, please do not hesitate to contact me.

Kind regards,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Thursday, 27 March 2025 10:40 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jagjeet,

I hope you are well, I am just getting in touch regarding the Ross Street Teaching and Learning Hub project (SSD-57838709), on which Heritage NSW has recently received an EIS referral from DPHI.

Please find attached to this email Heritage NSW's response to the Environmental Impact Statement referral, which includes a request for additional information to inform our assessment and advice to DPHI on the project. As previously noted in pre-lodgement consultation with Heritage NSW, this referral will also be taken to the Approvals Committee of the Heritage Council to receive its advice on the proposal.

Heritage NSW intends to submit a paper for the consideration of the Approvals Committee at its meeting in early May. While we recognise that a full response to Heritage NSW's EIS submission is unlikely to be achievable within this timeframe, we would be happy to incorporate any additional information that can be provided in the interim into our paper. I would request that you provide any interim response directly to me via email by 11 April 2025 to allow sufficient time for this to be incorporated.

Please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8500 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

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A01 Ross St Teaching & Learning Hub

THE UNIVERSITY OF SYDNEY

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Agenda

1. HNSW Submission Items:
    - Removal of fencing
    - Historical archaeology
    - Significant trees
    - Heritage interpretation
2. University's response
3. HNSW's Feedback

SSDA Submission

Heritage NSW

Palisade Fence

- The heritage Council notes that it **does not support the removal of a 40m section of the existing sandstone and wrought iron fencing** on the boundary of the University of Sydney.
- No analysis of **other options** considered which may reduce or avoid heritage impacts while achieving the same safety outcome was provided. It is considered that the heritage impact of the removal has not been sufficiently justified.
- The Heritage Council noted that **options for discrete openings within the fence could be pursued as a part of the project design**, and that trimming or removal of the existing hedge in this location could also be considered to increase its visual permeability.

Historical archaeology

- Both the **Heritage Council and Heritage NSW do not support the EIS assessment**, and correspondence from the Applicant, that there is low potential for intact remains of significance to be present on site, based on disturbances including earthworks and the installation of piles, footings, and services associated with the Transient Building and more recent demountable buildings. It is noted that many of the disturbances described would consist of impacts to relatively isolated areas, and it is **considered that there is the potential for archaeology associated with these trenches to remain intact and interpretable within the site**.
- The Heritage Council suggests that an **Archaeological Research Design (ARD),** providing a methodology for archaeological investigations, be required in accordance with the guideline Archaeological Assessments (Heritage Office and DUAP 1996).

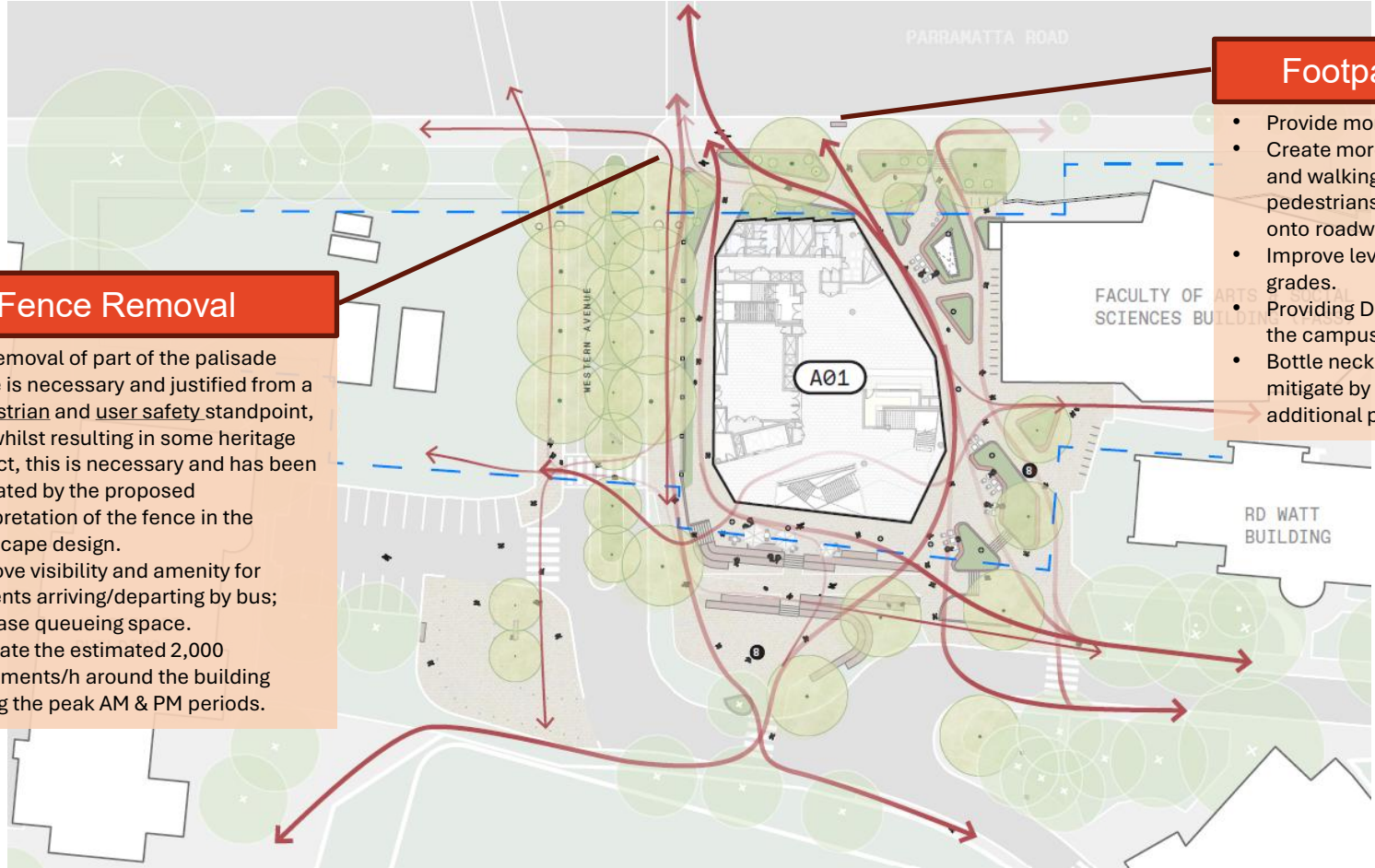
Significant trees

- Heritage NSW requests **justification and assessment of heritage impact for the removal of these trees** as a part of the proposed works.

Heritage interpretation

- The Heritage Council is of the opinion that the proposed relocation of the Ross Street Gates and removal of a section of the heritage stone and metal fence are both examples of demolition or alteration to an existing item of heritage significance and would therefore warrant the preparation of a Heritage Interpretation Plan. **A Heritage Interpretation Plan would be required to satisfy Condition B14.**

Overall Site Plan & Pedestrian Movement Paths



Fence Removal

- The removal of part of the palisade fence is necessary and justified from a pedestrian and user safety standpoint, and whilst resulting in some heritage impact, this is necessary and has been mitigated by the proposed interpretation of the fence in the landscape design.
- Improve visibility and amenity for students arriving/departing by bus; increase queueing space.
- Alleviate the estimated 2,000 movements/h around the building during the peak AM & PM periods.

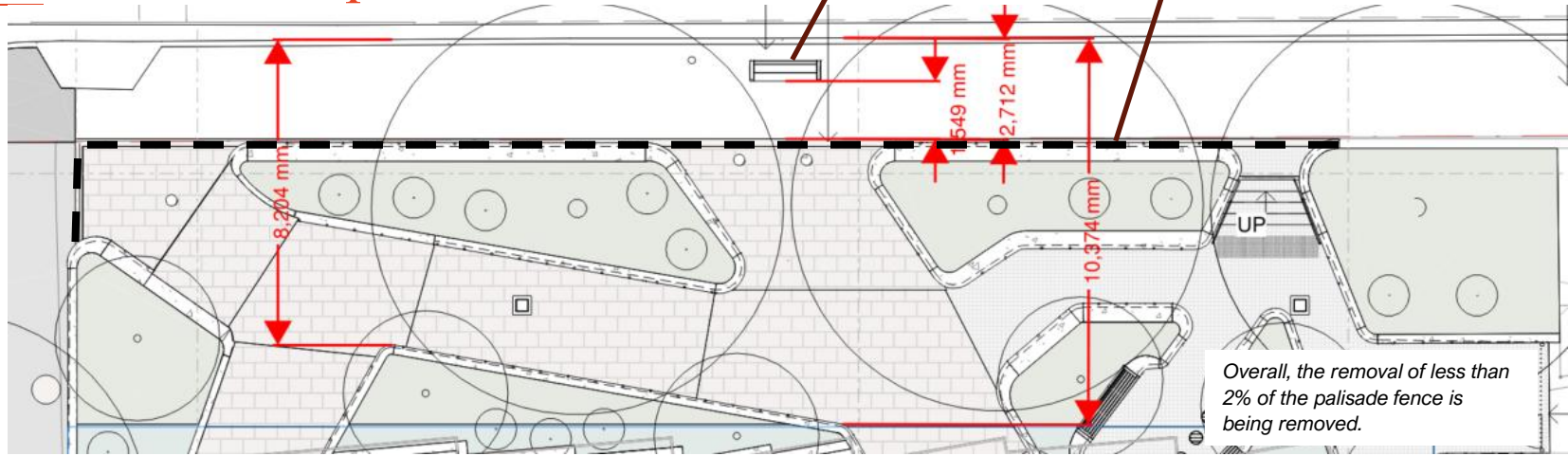
Footpath & Bus Stop

- Provide more capacity at bus stop.
- Create more space for people queuing and walking through to prevent pedestrians potentially spilling over onto roadways.
- Improve levels to achieve compliant grades.
- Providing DDA accessible option into the campus from Parramatta Rd.
- Bottle neck at the existing pillars mitigate by widening and providing additional pedestrian access.

Objectives

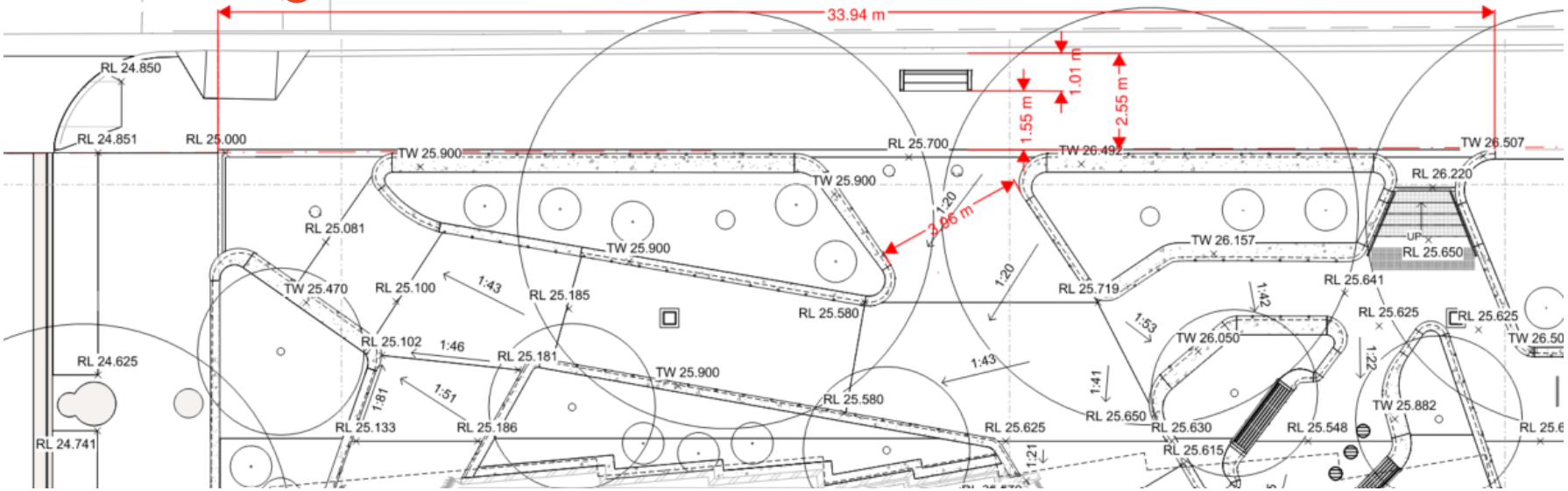
HNSW	CoS	TfNSW	UoS
1. Heritage/Environment: Retain significant heritage fabric. 2. Heritage/Environment: Retain the prominence of this entry point to the campus.	1. Heritage/Environment: Retain significant heritage fabric. 2. Pedestrian Safety: Improvements to pedestrian and cyclist access through the site. 3. Amenity: Parramatta Road public domain improvement works. 4. Amenity: More permeability created with the landscape.	1. Pedestrian Safety: Improve driver sightlines for Ross St / Parramatta Rd intersection. 2. Amenity: A wider footpath along the Parramatta Road corridor to support better accessibility to the bus stop and the walkability of the area – resolving pedestrian congestion.	1. Pedestrian Safety: Provide segregated access between pedestrian and vehicle traffic. 2. Pedestrian Safety: Provide required hostile vehicle mitigation protection. 3. Amenity: Provide compliant DDA access into the campus from the Ross St entrance. 4. Amenity: Provide improved public transport infrastructure, including: foot path widening, shading, seating/waiting and lighting. 5. Amenity: Encouraging public access and use of University campus and open spaces.

Footpath & Bus Stop Area

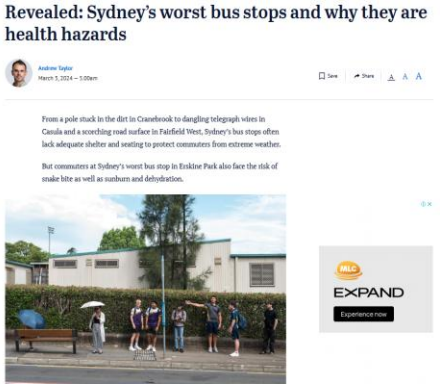


City of Sydney	Heritage NSW
It is recommended that **only sections of the fencing be removed to create new openings** tying in with the new internal paths, rather than removing the whole section of fencing fronting the teaching and learning hub. The removed sections may then be incorporated within the landscape design. Consistent with the position outlined above, **the removal of the heritage listed palisade fencing along Parramatta Road is not supported from an urban design perspective**.	The proposed **removal of a 40m section of heritage fencing along the boundary of the site with Parramatta Road is of concern**, as these works would remove significant heritage fabric and diminish the prominence of this entry point to the campus. The HIS notes that the proposed works are to facilitate pedestrian access and provides an assessment of the impact of the works in the broader context of the campus but does not provide a strong justification of the need for the proposed works, or an analysis of options considered which may avoid or minimise the removal of the heritage fencing and gates. The Heritage Council Approvals Committee: 1. Requests Heritage NSW write to the Department of Planning, Housing and Infrastructure noting that: a. The removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney is not supported, however **options for discrete openings within the fence could be pursued as a part of the project design**. b. Additional information regarding the proposed impacts to significant elements, including clear justification for the removal of significant trees, and a revised assessment of archaeological potential must be provided. c. A Heritage Interpretation Plan must be submitted in support of the application. The Heritage Council noted that **options for discrete openings within the fence could be pursued** as a part of the project design, and that trimming or removal of the existing hedge in this location could also be considered to increase its visual permeability.

SSDA Design



Comparison	
Existing	**Proposed**
Gradient about 4% and uneven	Proposed gradient to be more even with the new development and a lower slope to meet CoS target of 2.5%
Total footpath width about 2.5m.	Proposed footpath width to be opened up by seating to over 3m.
Total footpath for people walking about 1.5m (2 way)	By removing bench total width is 2.5m (2 way)



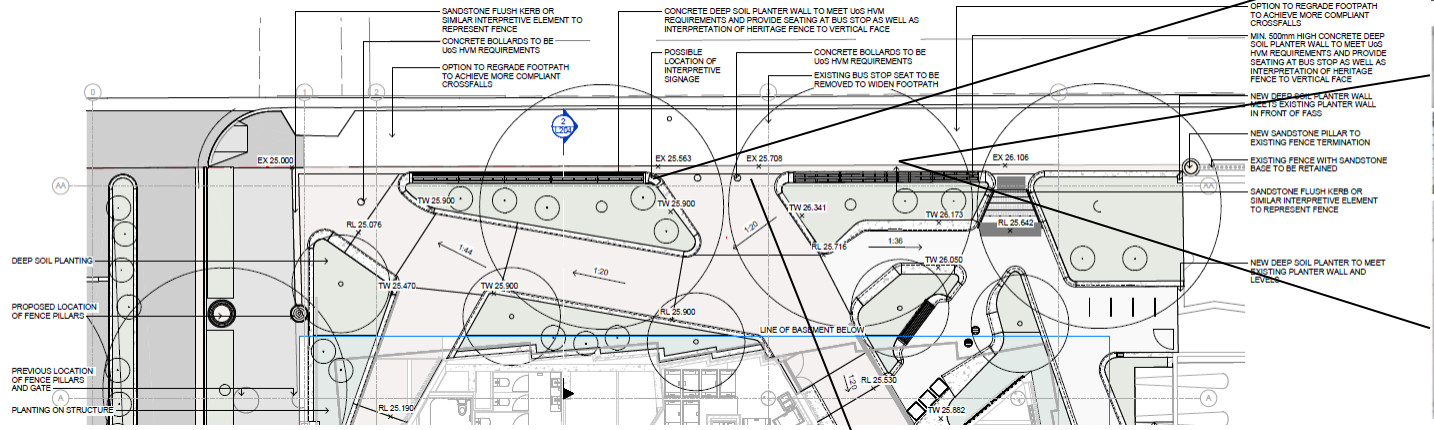
Revealed: Sydney's worst bus stops and why they are health hazards

From a pole stuck in the dirt in Cranebrook to dangling telegraph wires in Casula and a scorching road surface in Fairfield West, Sydney's bus stops often lack adequate shelter and seating to protect commuters from extreme weather.

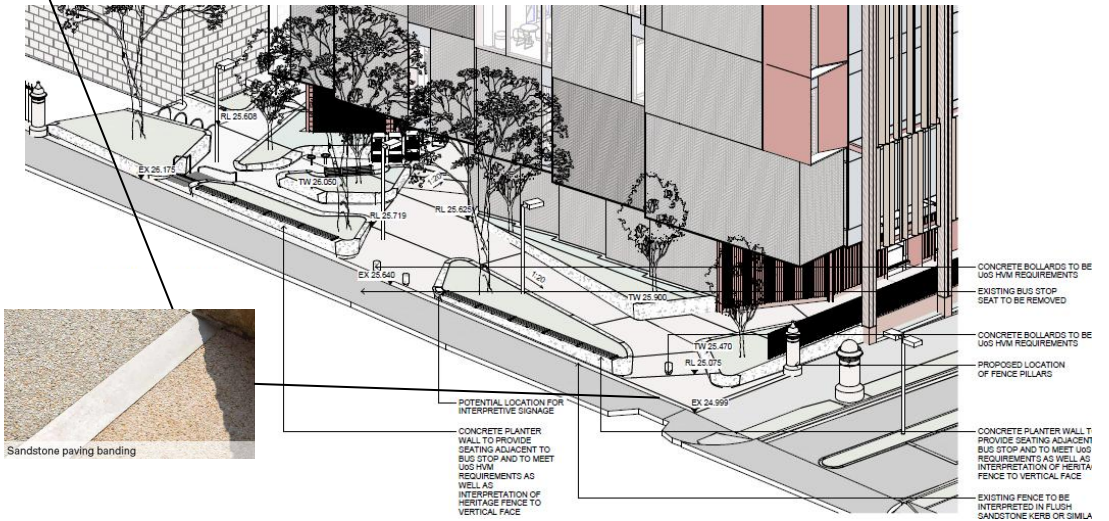
But commuters at Sydney's worst bus stop in Erskine Park also face the risk of snake bite as well as sunburn and dehydration.

EXPAND

Revised SSDA Response



Pros	Cons
• Visual sight lines improved • Improved footpath gradients • Additional seating around bus stop and City of Sydney seat removed to create a wider footpath • Passive visual surveillance of the site	• Removal of heritage fabric



Sandstone paving banding

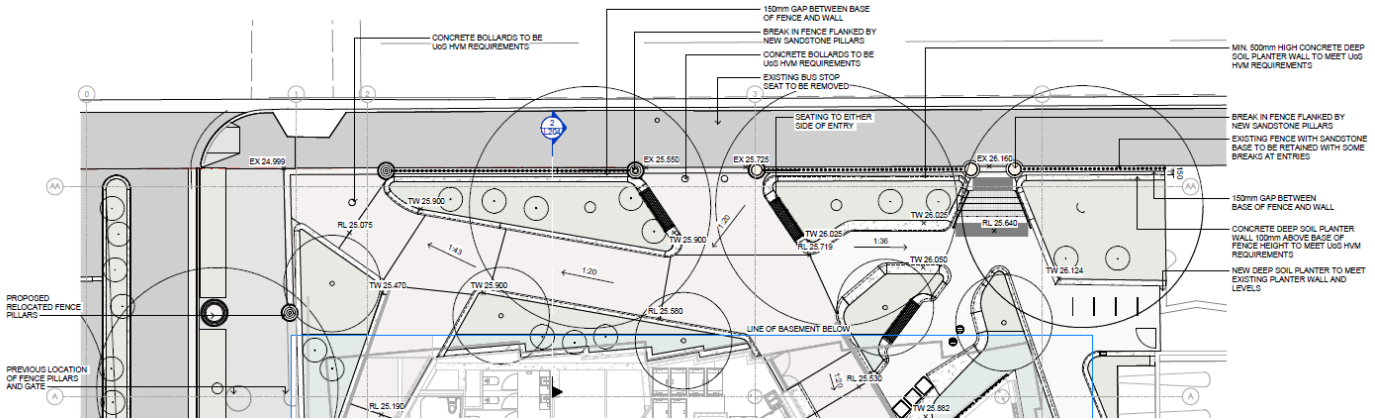
Revised SSDA Response

Furthermore, the removal of the fence directly responds to the NSW Heritage Strategy (Draft, 2025) by activating the State Significant Camperdown campus and enhancing social connections and communities within the University. Specifically, the works align with:

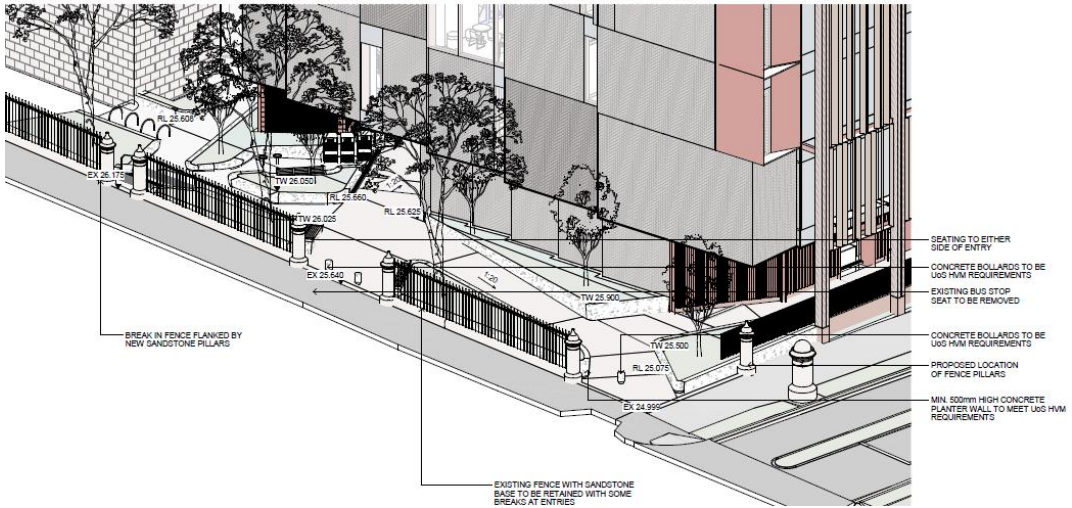
- **Objective 1.2**: By supporting greater access to and participation in the state significant Camperdown campus as a whole, improving physical and visual access to the campus, and allowing greater accessibility to the place.
- **Objective 2**: By balancing the requirements of access and the ongoing use of the place with the conservation of campus assets and significant fabric. Educational institutions like the University of Sydney must balance heritage conservation with their primary functions, including maintaining a safe, permeable, and accessible campus.
- **Objective 3.1**: By promoting activation and the ongoing use of the Camperdown Campus with consideration for the current student and visitor demographic.

The works have been designed to meet this need and address this strategy while preserving the values of the wider campus, maintaining the majority of the fence, and offering targeted interpretation where heritage impacts are identified.

Alternate Option Incorporating Authorities Advice



Pros	Cons
• About 30m of heritage fabric retained • Streetscape maintained partially	• No longer have additional seating around the bus stop • Doesn't allow for the gradients around the footpath to be improved • Impedes the visual sight lines



Historical archaeology

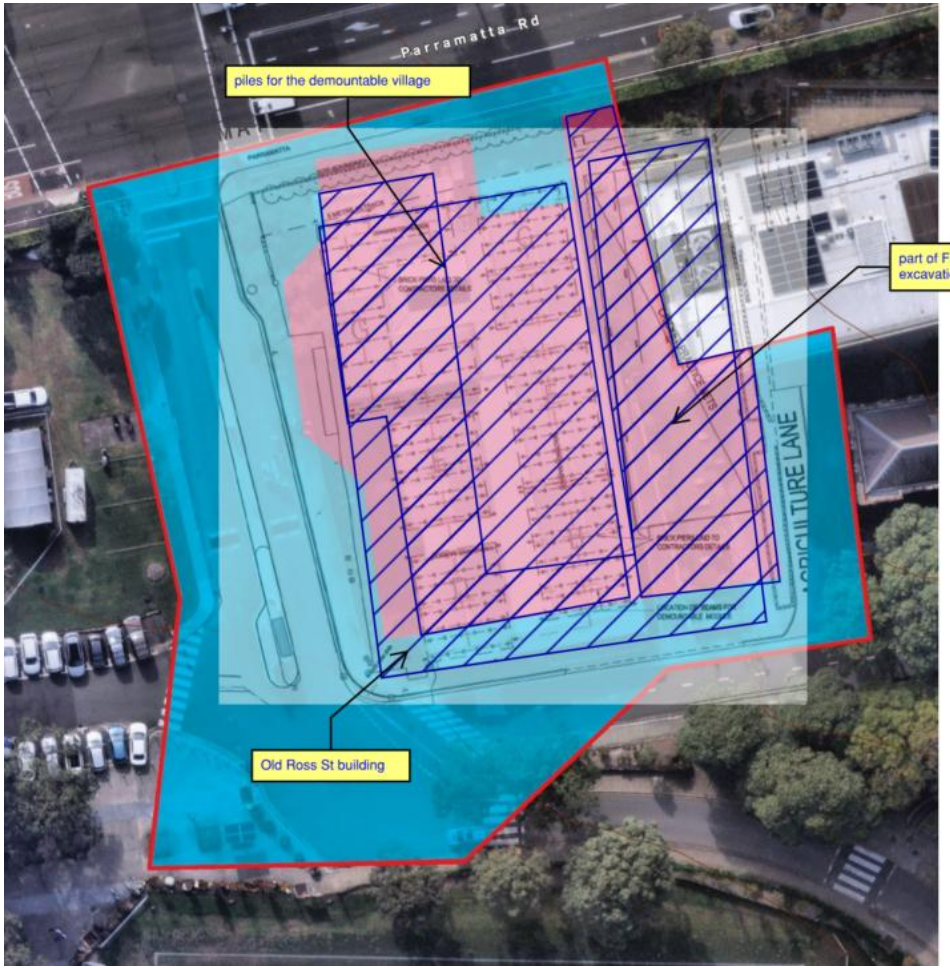
The HAIA identifies that while there is high potential for remains of the Phase 3 air raid trenches, there is Low potential for intact remains which would be likely to qualify as relics of local or State significance. This is due to the previous disturbances which have occurred on site between 1945 and present day including placement of piles across the area where air raid trenches previously existed, as well as installation of services and earthworks up to 600mm depth below ground level following removal of the Transient Building (also known as the Ross St Building). The construction of the Transient building itself required cutting across the site for the purposes of levelling and the installation of footings. These activities are likely to have caused movement (at minimum) or archaeological remains, and may have included removal in some cases.

The HAIA can be updated to include some additional descriptions and images demonstrating the extent of works on the Transient Building (Ross St Building) which indicate that the archaeological remains of Phase 3 are unlikely to be in a condition to meet the threshold for relics.

Archaeological investigation is unlikely to yield intact archaeological remains of Phase 3 which would meet the threshold for local (or State) significance.

Historical archaeology

- The site has had the construction of the old Ross St building with columns and footings – including 1 basement level;
- with number of extensions over time;
- it was demolished (removing the footings underground);
- it was made into a carpark;
- the piles were installed (multiple piles made as per above);
- the demountable village was installed



Historical archaeology

BOREHOLE LOG

CLIENT: The University of Sydney
PROJECT: USYD Ross Street Teaching & Learning Hub
LOCATION: Corner Parramatta Road and Western Avenue, Camperdown

SURFACE LEVEL: 25.3 AHD
EASTING: 332126
NORTHING: 6249087
DIP/AZIMUTH: 90°/–

BORE No: BH101
PROJECT No: 225008.00
DATE: 7/11/2023
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering	Graphic Log	Rock Strength	Water	Fracture Spacing (m)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
	0.05	ASPHALTIC CONCRETE: 50mm thick, dark grey										
	0.15	CONCRETE: 100mm thick, pale grey										
		FILL/Sandy GRAVEL: subangular concrete and igneous gravel up to 45mm, pale brown, fine to medium sand, trace silt, trace building rubble (bricks), dry							E*			PID - <1ppm
									E			PID - <1ppm
	1.1	CLAY CH: high plasticity, pale grey mottled yellow, with iron indurated gravel of medium strength, trace rootlets, w<PL, residual Below 1.50m: possibly extremely weathered material							E			PID - <1ppm
	2.02	SILTSTONE: red-brown, pale grey and grey, very low and low strength, highly weathered, highly fractured, fragmented with occassional clay seams up to 25mm and low to medium strength ironstone bands up to 30mm, Ashfield Shale				20-11-23		2.14m: CORE LOSS: 60mm 2.34m: 2.34-2.36m: B0°-5°, cly co, pl, sm x3 2.4m: 2.40-2.46m: B0°-5°, cly co, pl, sm x4 2.5m: 2.50-2.59M: B0°-5°, fe cly co, pl-ir, sm x5 2.91m: CZ (20mm) 3.39m: CS (20mm)	C	100		pp = 450-500
	2.2								C	87	77	
		Below 3.0m: slightly fractured							C	100	81	PL(A) = 0.3
	3.91	SILTSTONE: dark grey, moderately to highly weathered, medium to high strength, 10% sandstone laminations, slightly fractured, Ashfield Shale						3.95m: J85°, fe co, pl, ro 4.2m: CS (10mm) 4.39m: J85°, fe co, pl, ro 4.58m: J55°, fe cly co, he 4.66m: CS (15mm) 4.86m: B0°, cly vn, pl, sm	C	100	88	PL(A) = 0.7

Significant trees

As requested by HNSW the University engaged a Landscape Heritage Consultant to justify and assess the heritage impact of the removal of the seven (7) Casuarina glauca (Swamp She-Oak) trees.

A Tree Significance Assessment has been prepared by TreeIQ to review the heritage significance of the seven (7) Casuarina glauca (Swamp She-Oak) trees and to assess the impact of their removal.

The Tree Significance Assessment determines that the subject trees do not meet the threshold for Exceptional Significance as defined by the CMP.

In summary, TreeIQ has determined that their removal is determined to have a minor adverse impact on the heritage landscape as follows:

- The trees confirmed post-1982 planting date and limited association with any significant landscape phase,
- Their moderate landscape contribution and arboriculturally compromised form, and
- The opportunity for replacement planting that could more appropriately reflect the site's historic character or contemporary campus values.

Both TreeiQ and Urbis agree with this assessment, and supports the conclusion reached that the removal of the seven (7) Casuarina glauca are justifiable on heritage grounds.

Heritage interpretation

As requested by HNSW, the University has engaged Urbis to prepare a Heritage Interpretation Plan to satisfy Condition B14 for the Ross Street Gates and Fencing

Discussion

Thank you.

1st July 2025

Attn: Drew Bagnall
University of Sydney
The Services Building G12
University of Sydney NSW 2006

RE: University of Sydney – Trees 766-772
Tree Significance Assessment

Introduction

TreeiQ have been engaged by the University of Sydney (USYD) to review the significance of seven (7) *Casuarina glauca* (Swamp She-Oak) proposed for removal as part of Western Avenue and Science Road landscape works associated with the A01 Ross Street - Teaching & Learning Hub. It is understood that Heritage NSW has requested additional justification and assessment of the heritage impact of the removal of the trees as part of the proposed works.

The following documentation has been reviewed as part of this assessment:

- USYD Grounds Conservation Management Plan (Clive Lucas, Stapleton & Partners, 2019)
- Arboricultural Impact Assessment (USYD/FASSSSDA/AIA/C, dated 01.07.2025)

Nicole O'Connell from TreeiQ conducted a site visit on the 19th June 2025.

The seven (7) *Casuarina glauca* (Swamp She-Oak) trees proposed for removal are located adjacent to Western Avenue, within a landscape area identified in the University of Sydney Grounds Conservation Management Plan (CMP) as being of **Little Significance**. The trees are coloured yellow on this figure—indicating an Exceptional grading. However, it is noted that they do **not bear an "E" or "EW" grading,** which are used in the CMP to denote **Exceptional** or **Exceptional within a group** significance.

The CMP (Table 4.1, pg 101) defines **Exceptional Significance** as follows:

> *A component of the University grounds that has itself an exceptional level of significance for its historical, aesthetic, social, scientific values and/or rarity.*
> *Elements in this category stand out as exceptional for being valued for a number of criteria together, are key aspects of the history or character of the place, are highly intact, are held in high regard for their aesthetic and/or social significance and are considered rare.*

It is our assessment that based on the site inspection, arboricultural findings, historic research and aerial imagery review, the seven (7) *Casuarina glauca* (Swamp She-Oak) do not meet this threshold.

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info@treeiQ.com.au
abn 62 139 088 832

treeiQ.com.au

The trees were previously inferred to date from the **1969 landscape works associated with Western Avenue**, based on the CMP and species type. *Casuarina glauca* (Swamp She-Oak) was a fashionable species in campus design from the 1960s onwards (CMP, p. 75), and this assumption aligned with its prevalence during that era.

However, a recent review of **aerial imagery**[1] clarifies the likely planting period:

- In the **1971 and 1982 aerial photographs,** the trees are **not visible** at the subject location (Figure 1 and 2),
- In the **1986 aerial image,** they appear as **young, small specimens,** suggesting they were recently planted by that time (Figure 3).
- By **1998,** the trees are clearly established, confirming their ongoing presence (Figure 4).

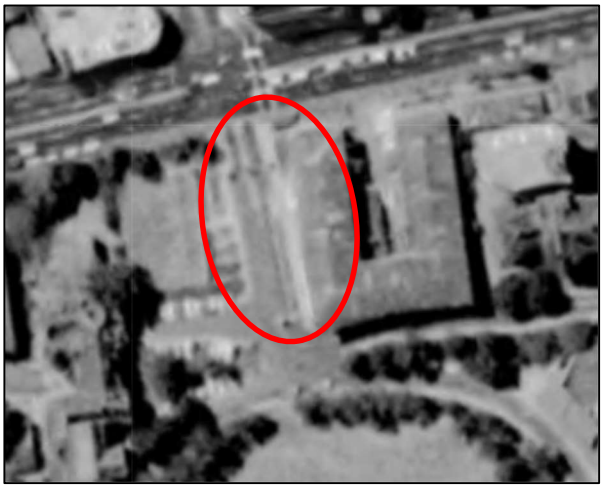


Figure 1. c. 1971

Figure 2. c. 1982

Figure 3. c. 1986

Figure 4. c. 1998

[1] NSW Government Spatial Services, *Historical Aerial Imagery Viewer*, NSW Spatial Collaboration Portal, accessed 19 June 2025, https://portal.spatial.nsw.gov.au/portal/apps/webappviewer/index.html?id=f7c215b873864d44bccddda8075238cb.

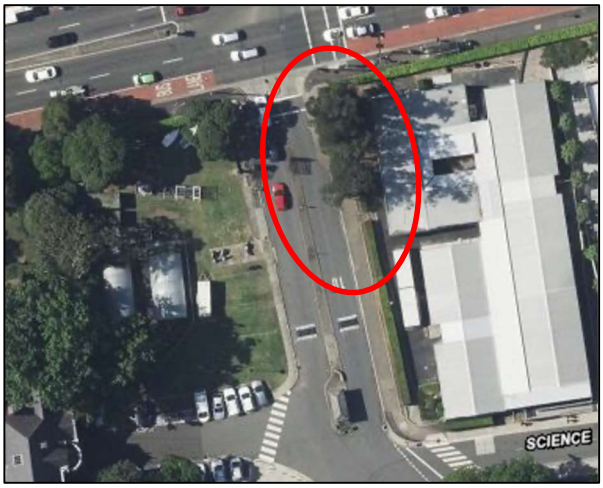


Figure 5. c. 2025

This evidence suggests that the trees were not part of the 1969 landscape works, as previously considered, but were more likely planted in the mid-1980s. Accordingly, they do not appear to be associated with the earlier Picturesque phase (1850s–1890s) or the mid-20th-century design initiatives identified in the CMP.

The TreeIQ (2024) Arboricultural Impact Assessment Report assesses these trees as being of moderate significance in landscape terms. While noted as being in good health and structural condition, they are also described as being suppressed, with suckering at the base**,** which significantly limits their long-term landscape performance.

Assessment of Heritage Significance

- The trees are **not associated** with the primary period of heritage significance of the University's grounds, namely the 1850s–1890s Picturesque design phase.
- Their **aesthetic and spatial contribution** is modest, providing some screening and canopy cover, but **not forming a landmark planting** or a strong visual element within the broader landscape.
- Their **integrity is compromised** by suppression and base suckering, which limits their potential to contribute meaningfully to the heritage character of the place.
- Based on updated aerial evidence and background research, the trees are not considered to meet the threshold for Exceptional significance.

Heritage Impact Assessment

The removal of the seven (7) *Casuarina glauca* (Swamp She-Oak) is assessed as having a **minor adverse impact** on the heritage landscape. This conclusion is based on:

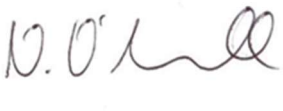
- The trees confirmed **post-1982 planting date** and limited association with any significant landscape phase,
- Their **moderate landscape contribution** and arboriculturally compromised form, and
- The opportunity for **replacement planting** that could more appropriately reflect the site's historic character or contemporary campus values.

Conclusion

Given the above, it is our assessment that the removal of the *Casuarina glauca* is considered justifiable on heritage grounds. The resulting impact could be mitigated through a landscape strategy that includes the replanting of species that align with the site's historical context and current landscape objectives.

Please don't hesitate to contact me treeiQ you require further information or have any questions.

Yours sincerely



Anna Hopwood – Director
Grad Cert. (Arboriculture)
Dip. Hort (Arboriculture)
Dip. Hort (Landscape Design)
TRAQ

Nicole O'Connell– Heritage Consultant
Grad Cert. (Heritage Conservation)
Dip. Hort (Landscape Design)

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PW STREAMDP

Panasonic FZ-G2

TOUGHBOOK

Survey_2023-03-02_13-53-29-Swath001 (GPS)

HotMetal

CRK NSW_2023.03.02_13.19.14

University Pl

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0.0 km/h

600 HH Ch.0

0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 m 55.00 60.00 65.00 70.00 75.00 80.00 85.00 90.00 95.00 100.0

IDS GeoRadar

Type here to search

26°C

ENG

14:45

02/03/2023

A1 A2 A3

intel CORE i5 vPRO

From:	James Cole
To:	Jagjeet Shergill
Cc:	alison.lamond; Anna Simanowsky; Drew Bagnall; Nora Babik; Laura MacMahon; Maria Schroder
Subject:	RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
Date:	Monday, 28 July 2025 4:09:16 PM
Attachments:	image002.png image006.png image007.png image008.png image009.png

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Hi Jag,

Thank you for the follow up email, and for the project team's time last week. As agreed, I am following up on the points discussed in the meeting:

1. Removal of fencing
    - As noted, the Approvals Committee has determined that it does not support the removal of fencing along Parramatta Road, however options for discrete openings in the fence could be considered as a part of the project design.
    - Option 3 as presented would not be consistent with this advice.
    - Option 2A as presented would retain approximately 30m of the 40m frontage along Parramatta Road with new openings made for pedestrian access. This option would be more consistent with advice received from the Approvals Committee.
    - Heritage NSW recommends that new openings in the fence should be minimised where possible, and that consideration should be given to removing the proposed opening toward the eastern extent of the development.
    - Consideration should also be given to revising the design of the new openings, as sandstone pillars may not be appropriate at minor entrances. Revised options may include wrought iron end posts which are less prominent, and more suitable for minor entrances.
2. Historical archaeology
    - Additional information provided regarding disturbance noted, including mapping of service trenching and identification of previous excavation in the south-west corner of the site for a basement level.
    - Excavation of a basement level over part of the site would remove archaeological potential within its footprint.
    - It is noted that many of the disturbances described would consist of relatively shallow impacts, with deeper disturbance in isolated areas. Given the potential depth of features associated with World War II air raid trenches, it is considered that there is the potential for archaeology associated with these trenches to remain intact and interpretable within the site.
    - Intact cut and fill deposits associated with World War II air raid trenches would be of historical significance at a local level and have the potential to contribute to the interpretation of the site as a part of the project, and it would be appropriate for these features to be recorded prior to removal.

- Heritage NSW considers that the mitigation measures which were provided in Appendix F of the EIS are appropriate.

3. Significant trees
    - Additional information noted, including opportunity for replacement plantings reflecting the site's historical character.
    - Where replacement plantings are proposed, Heritage NSW would recommend that information is provided clarifying what plantings are proposed, and how they reflect the site's historical character.
4. Heritage Interpretation Plan
    - As discussed, a Heritage Interpretation Plan (HIP) is being prepared in response to previous comments from Heritage NSW. We will provide comment on the HIP in our advice to DPHI following lodgement of the Response to Submissions.

I hope this assists, but please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8500 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

4PSQ Level 17 Mailroom
12 Darcy St
Parramatta NSW 2150

Working days Monday to Friday, 08:00am - 04:00pm

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Wednesday, 23 July 2025 5:22 PM
To: James Cole <james.cole@environment.nsw.gov.au>

Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Maria Schroder <maria.schroder@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney

Hi James,

Thanks for your time yesterday to meet.

As requested, please refer to the following attachments:

a. PowerPoint presentation slides (as shared during the meeting).
b. Tree Significance Assessment (in response to Item 3 Significant Trees, in the Heritage NSW Additional Advice Letter, dated 28 May 2025)
c. Site photographs of a recent GPR Survey undertaken at the University of Sydney Quadrangle Lawns (showing intact examples of several WWII zig-zag air raid trenches)

As mentioned, the University is aiming to lodge its RtS to DPHI by end of month and would appreciate Heritage NSW's additional feedback in relation to Item 1 'Removal of fencing', and Item 2 'Historical archaeology', specifically a preference on a proposed palisade fence option by next Monday 28 July.

Please do not hesitate to contact me if you need anything further.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

THE UNIVERSITY OF SYDNEY
Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

Celebrating 175 years

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From: Jagjeet Shergill
Sent: Wednesday, 16 July 2025 10:09 AM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney

Thanks for sending through the meeting invite James.

As a brief agenda, the University would like to present the details, rationale and justification behind its draft responses to the matters raised in the additional Heritage NSW advice, dated 28 May 2025

(attached).

1. Removal of fencing
2. Historical archaeology
3. Significant trees
4. Heritage interpretation

Specifically, regarding Item 1 Removal of fencing, the University has prepared two options (attached) for Heritage NSW's consideration and will subsequently like to seek agreement from Heritage NSW on a preferred option to proceed with following the meeting.

The two options have been prepared in response to Heritage NSW's feedback received about discrete openings along the fence boundary.

For context, the University will also be meeting with the City of Sydney shortly to also discuss the two options, and seek feedback, as the City's submission during the public exhibition of the SSD also had a similar comment relating to the removal of fencing.

Please let me know if you have any questions prior to our meeting next Tuesday.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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-----Original Appointment-----
From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 16 July 2025 9:08 AM
To: Jagjeet Shergill
Cc: alison.lamond; Anna Simanowsky
Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519/10514 - Heritage NSW / University of Sydney
When: Tuesday, 22 July 2025 11:00 AM-12:00 PM (UTC+10:00) Canberra, Melbourne, Sydney.
Where: Microsoft Teams Meeting

Hi Jag,

Please see the Teams link below for the Ross Street Teaching and Learning Hub meeting.

Thanks very much,

James

Microsoft Teams [Need help?]

Join the meeting now

Meeting ID: 221 903 441 777 0

Passcode: yM9C9Q9N

Dial in by phone

+61 2 8318 0003,,118299972# Australia, Sydney

1800 568 994,,118299972# Australia (Toll-free)

Find a local number

Phone conference ID: 118 299 972#

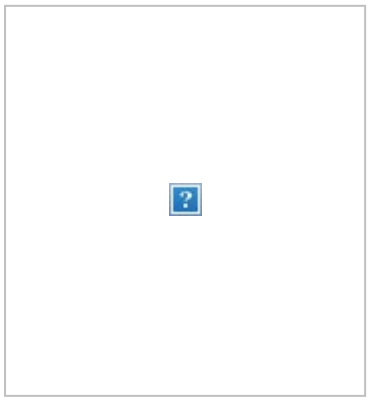
Join on a video conferencing device

Tenant key: dpiensw@m.webex.com

Video ID: 111 835 724 0

More info

For organizers: Meeting options | Reset dial-in PIN



Please use the Teams application for meetings and the toll free 1800 number for dial in phone access.

Org help | Privacy and security

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 10 July 2025 10:57 AM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW

EH EIS Referral

Hi James,

Thanks for your prompt response.

Could we please lock in Tuesday 22 July, 11am – 12pm for a meeting time.

The University will send through an agenda and supporting documentation for your information, prior to the meeting.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Tuesday, 8 July 2025 4:43 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Anna Simanowsky <anna.n.simanowsky@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

Thank you for your email and for the update on the project. We would be happy to meet to discuss the draft responses to Heritage NSW's submission on the project.

Our availability in the next week is limited, however we would be available to meet on Monday 21 July at 1pm, or on Tuesday 22 July any time after 11am if this would suit?

To let you know, I will be on leave for the remainder of this week relating to a personal matter but will arrange a meeting invite as soon as I am able following your response.

Thanks very much,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects

Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

4PSQ Level 17 Mailroom
12 Darcy St
Parramatta NSW 2150

Working days Monday to Friday, 09:00am - 05:00pm

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Monday, 7 July 2025 5:05 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you're well.

The University of Sydney (the University) is currently preparing its Response to Submissions (RtS) on the Ross Street Teaching and Learning Hub State Significant Development Application (the application), including responding to the comments Heritage NSW has provided in the letter dated 28 May 2025 (attached).

Prior to formally submitting the RtS to the Department of Planning, Housing and Infrastructure (DPHI), the University would greatly appreciate the opportunity to present and discuss draft responses to the matters raised in the Heritage NSW letter to ensure that the comments have been adequately addressed.

Would it be possible for the University team to meet with the Heritage NSW team to discuss further? If so, could you please outline any availabilities you may have over the next week or so to either meet virtually over Teams.

Looking forward to hearing from you, and please do not hesitate to contact me if you have any questions.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: James Cole <james.cole@environment.nsw.gov.au>
Sent: Wednesday, 28 May 2025 5:26 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: alison.lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Patrick Nash <patrick.nash@planning.nsw.gov.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag,

I hope you are well, and thank you for your patience. I am just getting in contact following the meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the Ross Street Teaching and Learning Hub to provide additional advice on the project. Based on the resolutions provided by the Approvals Committee noted in your email below, Heritage NSW has provided comments in the attached letter.

I hope this assists, but please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8535 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

4PSQ Level 17 Mailroom
12 Darcy St
Parramatta NSW 2150

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I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Alison Lamond <alison.lamond@environment.nsw.gov.au>
Sent: Wednesday, 21 May 2025 9:32 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; James Cole <james.cole@environment.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jag
Unfortunately James is unwell this week, but we are putting together information for you from the outcomes of the Heritage Council meeting and will get it thorough to you next week.
Regards

Alison Lamond *BSci, BA (Hons), (she/her)*
A/ Strategic Manager - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

M 0419 762 918 **E** alison.lamond@environment.nsw.gov.au

dcceew.nsw.gov.au

Level 3, 6 Stewart Ave
Newcastle West NSW 2303

Locked Bag 1002, Dangar NSW 2309

Working days Monday to Friday, 9:00am - 5:00pm

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Tuesday, 20 May 2025 3:25 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Hope you've been well.

The University are currently in the midst of preparing its Response to Submissions (RtS) regarding the A01 Ross Street Teaching & Learning Hub, and would like to follow up on how the May Approvals Committee Meeting went.

We are aware that the meeting resolutions are available online (see extract below), and would like to understand what the expected next steps are from Heritage NSW's perspective, and if there would be any formal feedback provided to the University as part of the process.

Happy to discuss further,
Jag

2.3 Sydney University (SHR 01974) - SSD 57838709 EIS - Ross Street Teaching and Learning Hub
Resolution 2025-16
The Heritage Council Approvals Committee: 1. **Requests** Heritage NSW write to the Department of Planning, Housing and Infrastructure noting that: a. The removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney is not supported, however options for discrete openings within the fence could be pursued as a part of the project design.

Resolutions - Approvals Committee meeting 06/05/25 | 2

b. Additional information regarding the proposed impacts to significant elements, including clear justification for the removal of significant trees, and a revised assessment of archaeological potential must be provided. c. A Heritage Interpretation Plan must be submitted in support of the application. 2. **Invites** the University of Sydney to present to the Approvals Committee prior to the submission of future applications relating to Building A03.
Moved by Bruce Pettman and seconded by Julie Marler *Dr Caitlin Allen left the meeting for this item.*

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: Jagjeet Shergill
Sent: Friday, 11 April 2025 12:55 PM
To: James Cole <james.cole@environment.nsw.gov.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Maria Schroder <maria.schroder@sydney.edu.au>
Subject: RE: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi James,

Please refer to the **attached** interim response from the University of Sydney to Heritage NSW's Request for Further Information Letter dated 26 March 2025.

As requested, the purpose of the interim response is to assist the preparation of the Heritage NSW paper being taken to the May Heritage Council Approvals Committee, to seek advice on the A01 Ross Street Teaching & Learning Hub (SSD-57838709).

Following the end of the exhibition period of the EIS earlier this week, as part of the formal Response to Submissions Report being prepared by the University, it will include a more holistic response to the matters raised to date by Heritage NSW.

Please refer to the following link containing attachments that support the interim response, along with the **attached** submission received by Transport for NSW received during public exhibition of the EIS, which is referred to within the interim response, conveying support for the widening of the footpath adjacent to the Ross Street Gates & Fence.

Supporting Documentation

Should you require any further information, please do not hesitate to contact me.

Kind regards,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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From: James Cole <james.cole@environment.nsw.gov.au>

Sent: Thursday, 27 March 2025 10:40 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; Alison Lamond <alison.lamond@environment.nsw.gov.au>
Subject: SSD-57838709 - Ross Street Teaching and Learning Hub - HMS 9519 - Heritage NSW EH EIS Referral

Hi Jagjeet,

I hope you are well, I am just getting in touch regarding the Ross Street Teaching and Learning Hub project (SSD-57838709), on which Heritage NSW has recently received an EIS referral from DPHI.

Please find attached to this email Heritage NSW's response to the Environmental Impact Statement referral, which includes a request for additional information to inform our assessment and advice to DPHI on the project. As previously noted in pre-lodgement consultation with Heritage NSW, this referral will also be taken to the Approvals Committee of the Heritage Council to receive its advice on the proposal.

Heritage NSW intends to submit a paper for the consideration of the Approvals Committee at its meeting in early May. While we recognise that a full response to Heritage NSW's EIS submission is unlikely to be achievable within this timeframe, we would be happy to incorporate any additional information that can be provided in the interim into our paper. I would request that you provide any interim response directly to me via email by 11 April 2025 to allow sufficient time for this to be incorporated.

Please let me know if you have any queries.

Kind regards,

James

James Cole *(he/him)*
Senior Assessments Officer - Major Projects
Heritage NSW
Department of Climate Change,
Energy, the Environment and Water

T (02) 9873 8500 **E** James.Cole@environment.nsw.gov.au

dcceew.nsw.gov.au

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CITY OF SYDNEY CONSULTATION

From:	Michael Stephens
To:	Jagjeet Shergill; Drew Bagnall; Nora Babik; Laura MacMahon; Jessica Symons; John Poulton
Cc:	Nicola Reeve
Subject:	Sydney University - Ross Street Teaching and Learning Hub - CoS
Start:	Monday, 21 July 2025 2:30:00 PM
End:	Monday, 21 July 2025 3:00:00 PM
Location:	Microsoft Teams Meeting
Attachments:	RE SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R20257.msg

Hi Jag,

As requested, meeting to discuss proposed Parramatta Road frontage options.

Regards,

Michael Stephens

(he/him)

Senior Planner

Planning Assessments

<https://s3.ap-southeast-2.amazonaws.com/cdn.cityofsydney.nsw.gov.au/2030/Graphics/cityofsydney-w400.png>

Telephone: +612 9265 9040 <tel:+612%209265%209040>

cityofsydney.nsw.gov.au

<https://s3.ap-southeast-2.amazonaws.com/cdn.cityofsydney.nsw.gov.au/assets/aoc-email-sig.png>

The City of Sydney acknowledges the Gadigal of the
Eora nation as the Traditional Custodians of our local area.

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Join the meeting now <https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDQxMTZiNWEtZDFiMS00ZmRkLWJkMGEtNGFlNjBlMzg5NTdl%40thread.v2/0?context=%7b%22Tid%22%3a%22a624c093-68ed-4646-b10e-229def94a9e1%22%2c%22Oid%22%3a%22b21d2d2a-420e-403d-9323-e975e448ddf1%22%7d>

Meeting ID: 471 685 212 005 0

Passcode: Zr7jx9mJ

For organizers: Meeting options <https://teams.microsoft.com/meetingOptions/?organizerId=b21d2d2a-420e-403d-9323-e975e448ddf1&tenantId=a624c093-68ed-4646-b10e-229def94a9e1&threadId=19_meeting_MDQxMTZiNWEtZDFiMS00ZmRkLWJkMGEtNGFlNjBlMzg5NTdl@thread.v2&messageId=0&language=en-US>

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From:	Jagjeet Shergill
To:	Michael Stephens
Cc:	Nicola Reeve; Drew Bagnall; Nora Babik; Laura MacMahon; Jessica Symons
Subject:	RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R/2025/7
Date:	Thursday, 17 July 2025 2:58:21 PM
Attachments:	image001.png

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Hi Michael,

Thanks for making the time to meet – all okay from our side to lock in Monday 21 July at 2:30pm.

We'll look out for your Teams meeting invite.

Thanks again,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>
Sent: Thursday, 17 July 2025 2:37 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: Nicola Reeve <nreeve@cityofsydney.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jessica Symons <jsymons@cityofsydney.nsw.gov.au>
Subject: RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R/2025/7

Hi Jag,

Myself and the City's Senior Heritage Specialist would be available to meet Monday at 2:30pm for a Teams meeting. Hopefully this works for you. If so, I can send a Teams invitation.

Regards,

Michael Stephens (he/him)
Senior Planner
Planning Assessments

Telephone: +612 9265 9040
cityofsydney.nsw.gov.au

The City of Sydney acknowledges the Gadigal of the Eora nation as the Traditional Custodians of our local area.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 17 July 2025 10:20 AM
To: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>
Cc: Christopher Corradi <ccorradi@cityofsydney.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R/2025/7

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Hi Michael,

Just checking in to see if the City is available to meet to discuss their thoughts, and feedback on a preferred palisade option to proceed with.

Alternatively, if you would prefer to provide any written feedback on a preferred option, would more than appreciate it, given we may be able to table this concurrently at the University's meeting with Heritage NSW on the matter next Tuesday 22 July.

Please let me know if you have any questions.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: Jagjeet Shergill
Sent: Monday, 14 July 2025 3:58 PM
To: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>

From:	Jagjeet Shergill
To:	Michael Stephens
Cc:	Christopher Corradi; Drew Bagnall; Nora Babik; Laura MacMahon
Subject:	RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R/2025/7
Date:	Monday, 14 July 2025 3:59:19 PM
Attachments:	image001.png A01 Ross St Palisade Fence Review.pdf Heritage NSW - Additional Advice.pdf

Hi Michael,

Hope you've been well.

As an update on heritage matters raised in the City's submission, specifically the University's proposal to remove palisade fencing, the University has prepared two options (attached) for the City's consideration.

The University would like to present and explain the details and rationale behind the two options and would like to catch up with the City at its earliest convenience, and subsequently seek agreement from the City on a preferred option to proceed with.

The resolution of a preferred palisade fence option to proceed with, will then determine the consequential urban design and public domain details.

For context, the University will also be meeting with Heritage NSW next Tuesday 22 July to also discuss the two options, and seek feedback, following additional advice (attached) provided by Heritage NSW on the SSD, following the Heritage Council of NSW, May Approvals Committee Meeting.

Please let me know when you and Chris (and any of the City's Heritage Team) may be available to meet.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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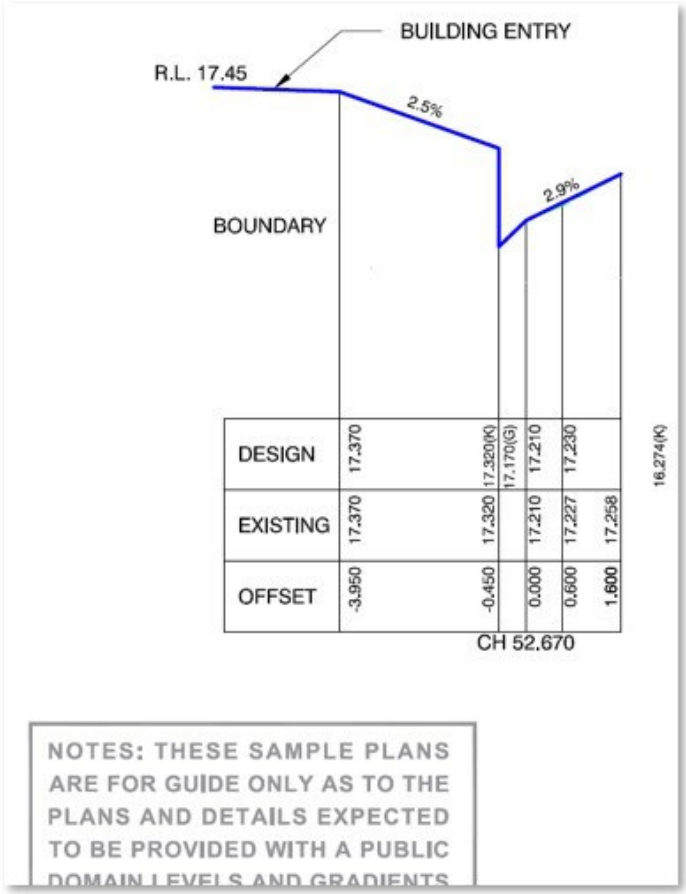
From: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>
Sent: Wednesday, 28 May 2025 3:53 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Christopher Corradi <ccorradi@cityofsydney.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions - R/2025/7

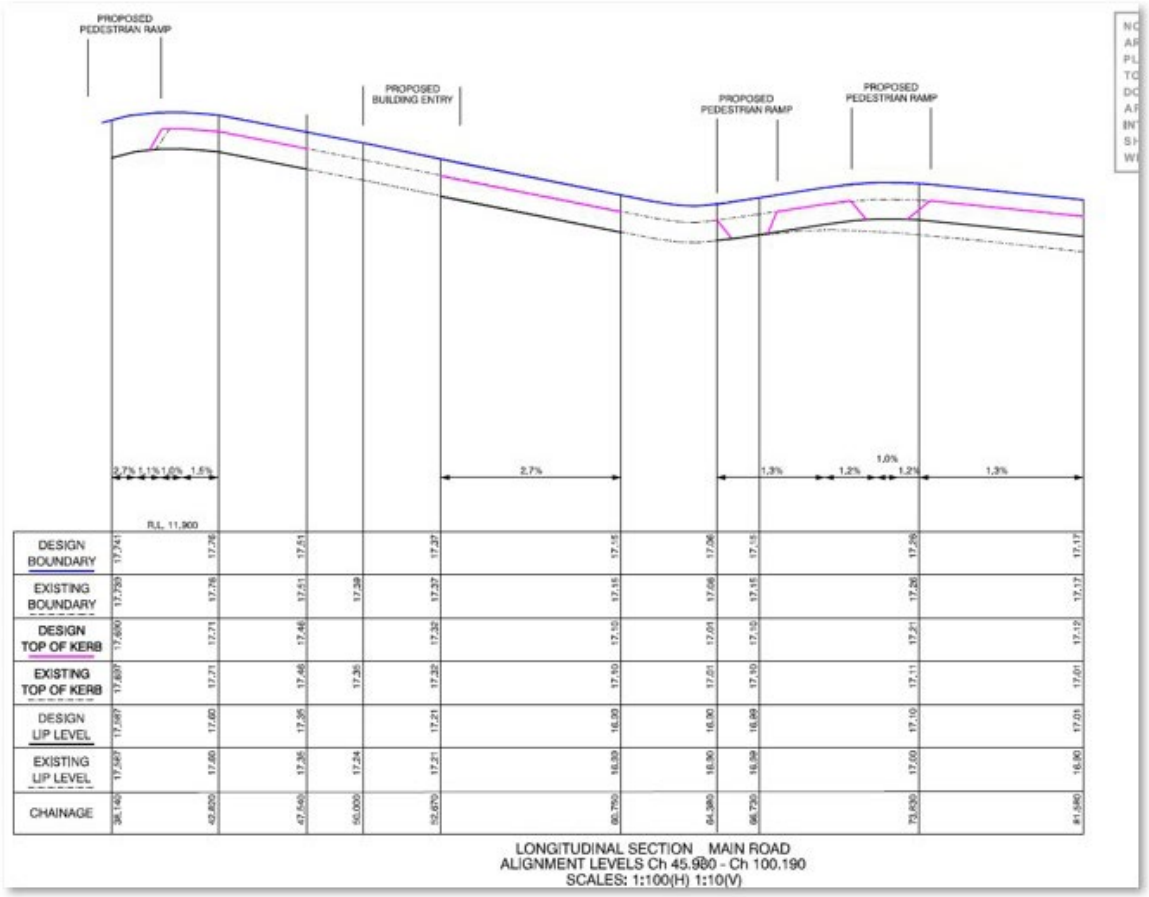
Hi Jagjeet

As requested during our meeting on Tuesday, I have sought further clarification from out Public Domain team regarding the requirements for further details and levels.

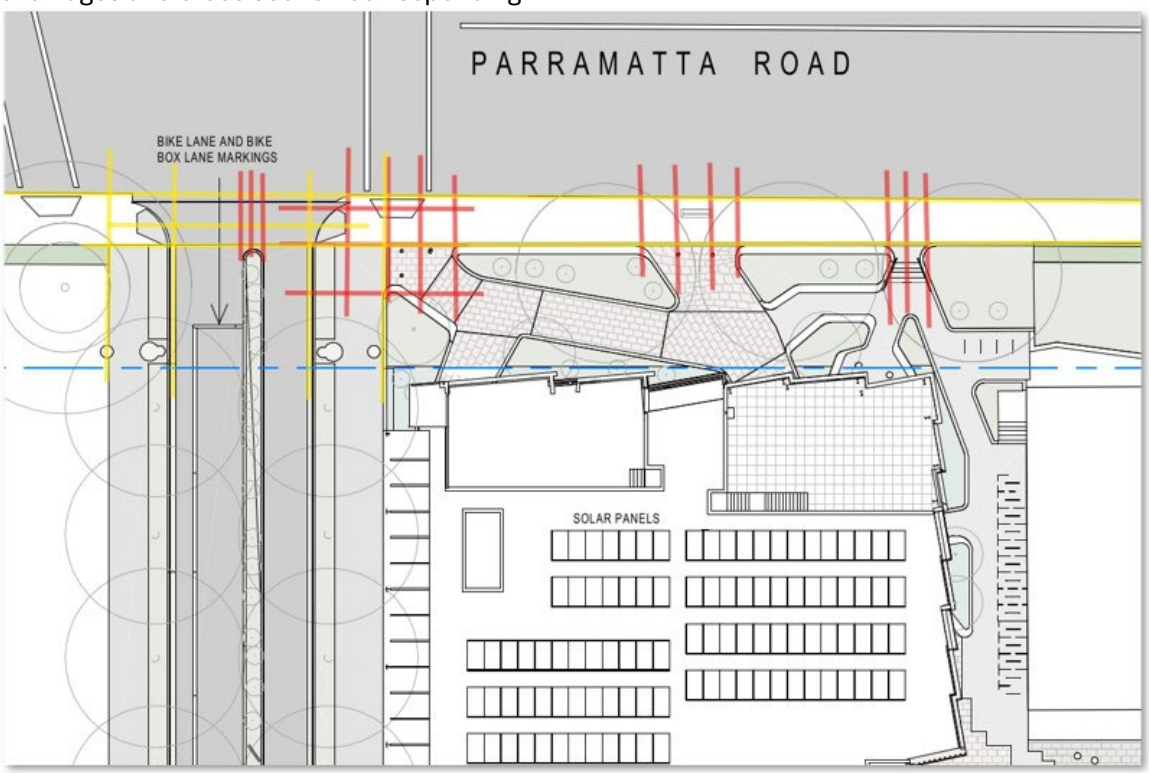
The levels and gradients are requested at all entry points that interact with the footpath and the carriageway of Parramatta Road to enable a clearer understanding about how the levels relate between the private and public areas, and to determine if there are any issues with accessible routes and overland flow/stormwater/flooding.

Drawings should include levels consistent with these samples for cross and longitudinal sections:





And at the locations indicated on this plan (in yellow and red) – show longitudinal sections with chainages and cross section corresponding:



I hope this is of assistance.

Regards,

Michael Stephens (he/him)
Senior Planner
Planning Assessments

Telephone: +612 9265 9040
cityofsydney.nsw.gov.au

The City of Sydney acknowledges the Gadigal of the Eora nation as the Traditional Custodians of our local area.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 22 May 2025 4:29 PM
To: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>; Christopher Corradi <ccorradi@cityofsydney.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions

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Hi Michael

Thanks for your prompt response.

Next Tuesday 27 May at 11am via Teams works well – will look out for the Teams meeting invite.

Cheers,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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From: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>
Sent: Thursday, 22 May 2025 1:41 PM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Christopher Corradi

<ccorradi@cityofsydney.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: RE: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions

HI Jagjeet,

Thankyou for reaching out to discuss the University's response.

Chis Corradi, Area Manager (Major Projects) and I would be available to meet via Teams next week on Monday between 1pm and 4pm or Tuesday at 11am.

If you could please let me know if a time then suits, I can send through a Teams invite.

Thanks

Michael Stephens (he/him)
Senior Planner
Planning Assessments

Telephone: +612 9265 9040
cityofsydney.nsw.gov.au

The City of Sydney acknowledges the Gadigal of the Eora nation as the Traditional Custodians of our local area.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 22 May 2025 11:28 AM
To: Michael Stephens <MJStephens@cityofsydney.nsw.gov.au>
Cc: Drew Bagnall <drew.bagnall@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>
Subject: SSD-57838709 - University of Sydney Ross Street Teaching and Learning Hub - Response to Submissions

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Hi Michael,

The University of Sydney (the University) is currently preparing its Response to Submissions (RtS) on the Ross Street Teaching and Learning Hub State Significant Development Application (the application), including responding to the City of Sydney (the City) submission received during public exhibition (**attached**).

Prior to formally submitting the RtS to the Department of Planning, Housing and Infrastructure (DPHI), the University would greatly appreciate the opportunity to present and discuss draft responses to the matters raised in the City's submission to ensure that the comments have been adequately addressed.

Would it be possible for the University team to meet with the City to discuss further? If so, could you please outline any availabilities you may have over the next week or so to either meet at the City's office at Town Hall House or virtually over Teams.

Looking forward to hearing from you, and please do not hesitate to contact me if you have any questions.

Kind regards,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

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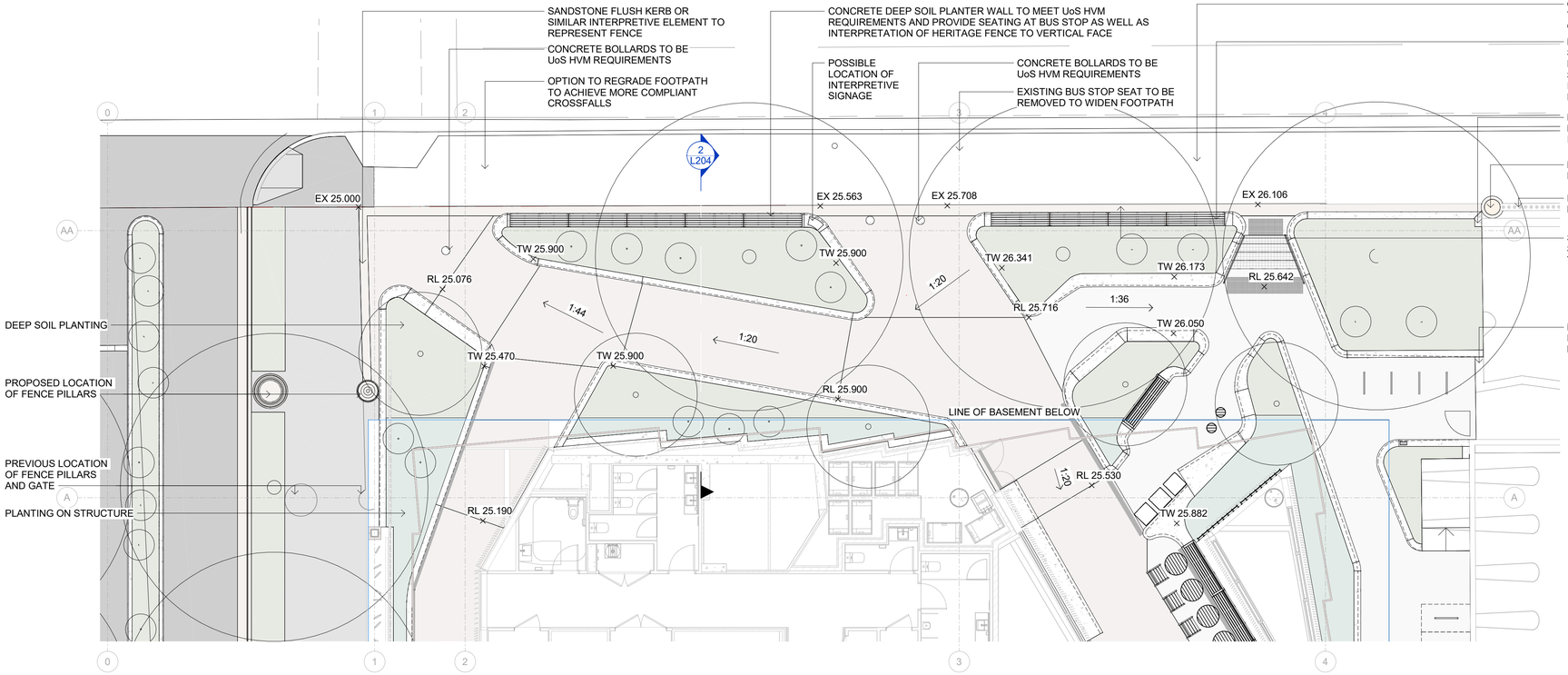

1 OPTION 3 - PLAN
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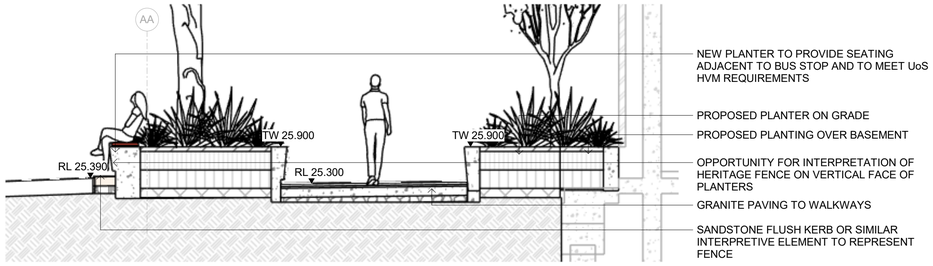
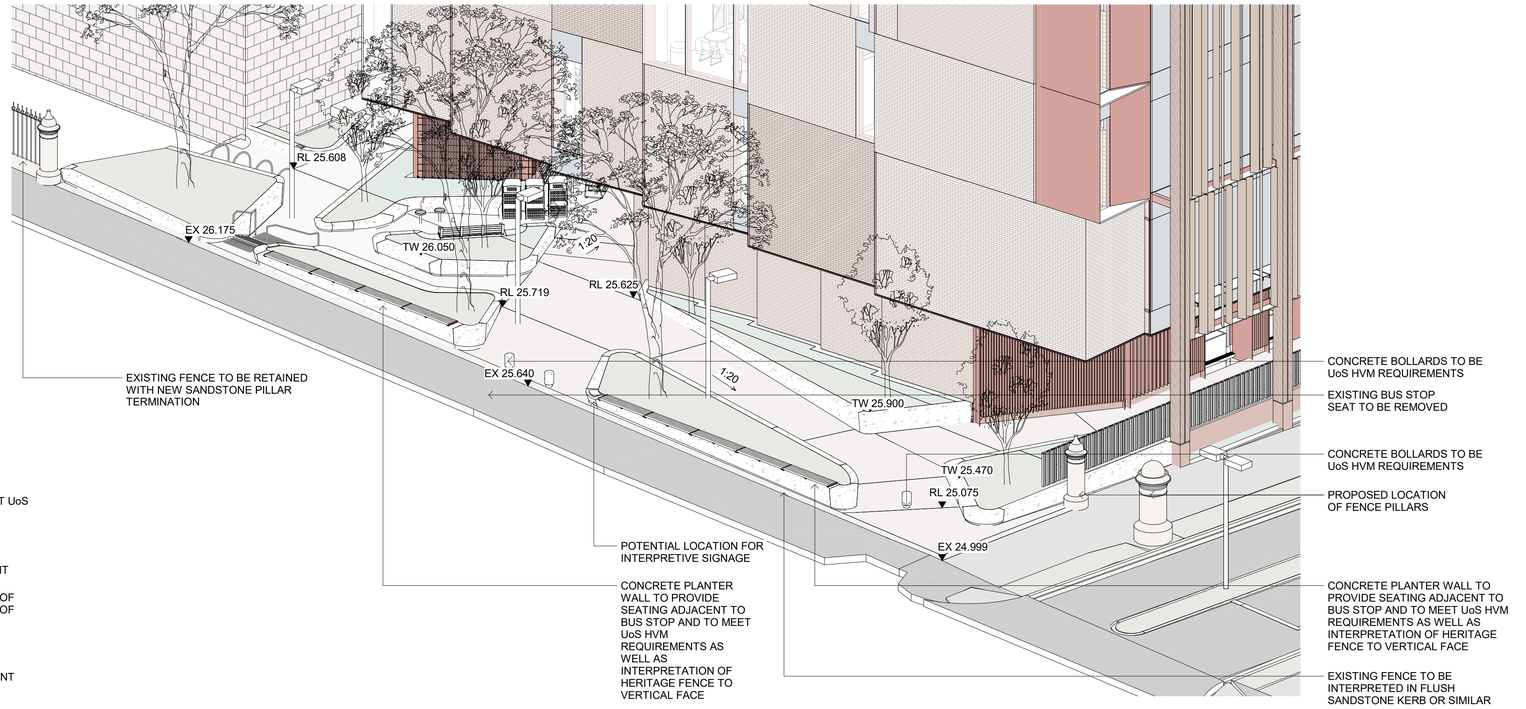


2/20 OPTION 3 - SECTION
1 : 50



3 OPTION 3 - 3D AXO

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ISSUE	DATE	AMENDMENT	DRN	APRVD
1	12.06.25	DRAFT FENCE OPTIONS	GH	KS

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02 9557 5533 australia@oculus.info
Sydney - Gadigal Country
Melbourne - Wurundjeri Woi Wurrung Country
Canberra - Ngunnawal Country

PROJECT
A01 ROSS ST TEACHING & LEARNING HUB
ROSS ST, SYDNEY UNIVERSITY

CLIENT
THE UNIVERSITY OF SYDNEY

ARCHITECT
BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 3

PROJECT Nº	SHEET SIZE
S23-024	A1
DRAWING Nº	ISSUE
L204	1

Autodesk Docs://OC_A01 Ross St/A01-L-00M-LANDSCAPE-RVT.rvt

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A01 ROSS ST TEACHING & LEARNING HUB
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ARCHITECT
BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

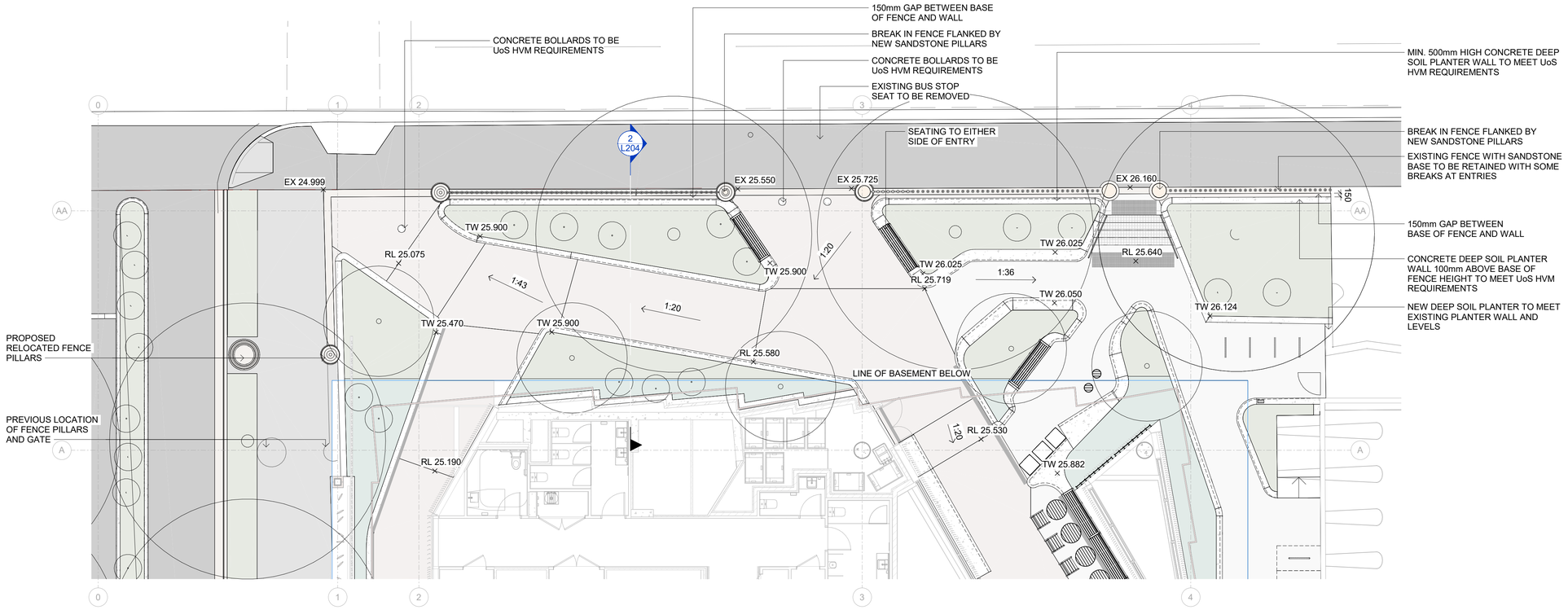
DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 3 INTERPRETIVE IMAGES

PROJECT Nº
S23-024

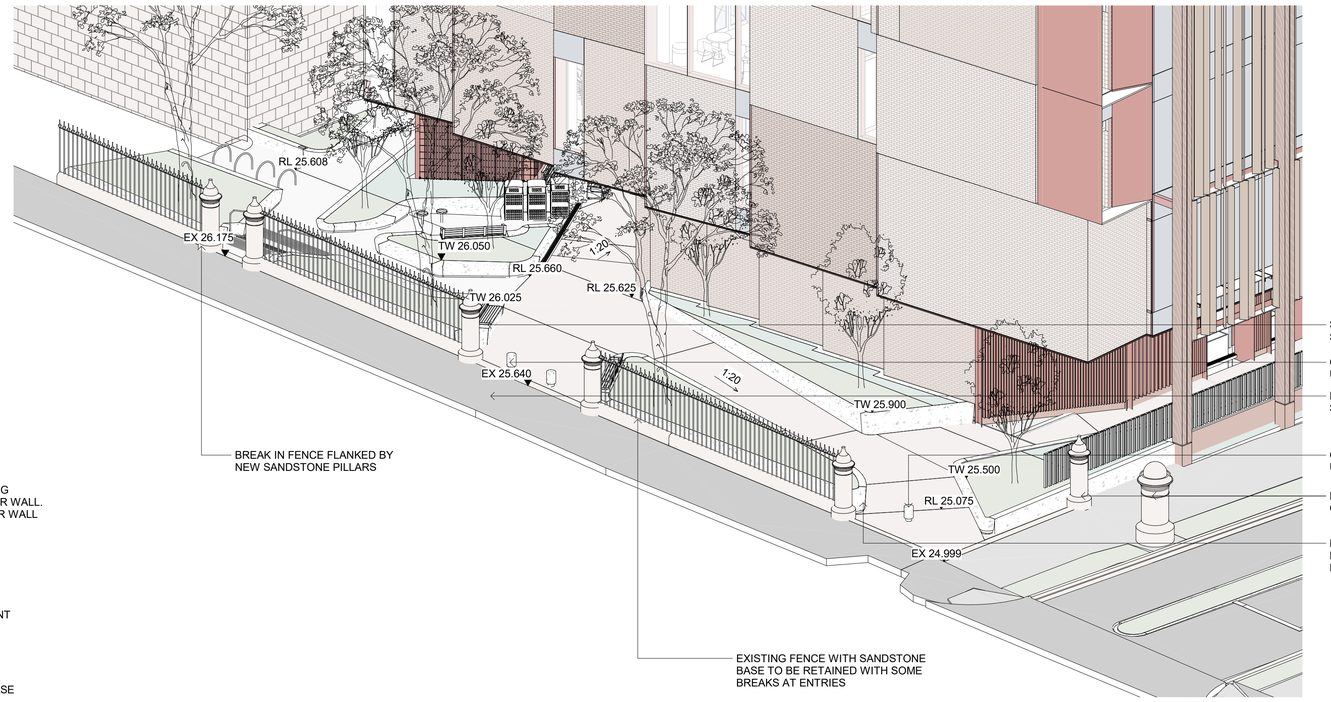
SHEET SIZE
A1

DRAWING Nº
L205

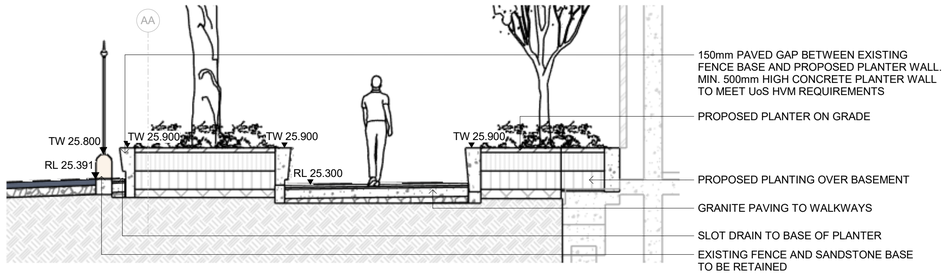
ISSUE
1



1 OPTION 2A - PLAN
1 : 100



3 OPTION 2A - 3D AXO



2/20 OPTION 2A - SECTION
1 : 50

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BVN

STATUS
DESIGN DEVELOPMENT

NORTH POINT

DRAWING TITLE
PARRAMATTA RD FRONTAGE - OPTION 2A

PROJECT Nº S23-024
SHEET SIZE A1
DRAWING Nº L202
ISSUE 1

Autodesk Docs://OC_A01 Ross St/A01-L-00M-LANDSCAPE-RVT.rvt

**Department of Climate Change,
Energy, the Environment and Water**

Our ref: HMS ID 9519

Patrick Nash
Senior Planning Officer
Department of Planning, Housing and Infrastructure
patrick.nash@planning.nsw.gov.au

Response sent via email

Additional Advice– State Significant Development

Proposal: Ross Street Teaching and Learning Hub

Major Project reference: SSD-57838709

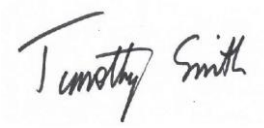
Dear Patrick,

Following a meeting of the Approvals Committee of the Heritage Council of NSW on 6 May 2025 regarding the above State Significant Development (SSD) proposal, the purpose of this letter is to provide additional advice to the Department on the project.

The resolutions made by the Approvals Committee can be found on the Heritage NSW website. Based on these resolutions, Heritage NSW has provided detailed comments in **Attachment A**.

If you have any questions about this correspondence, please contact James Cole, Senior Assessments Officer at Heritage NSW on (02) 9873 8500 or heritagemailbox@environment.nsw.gov.au

Yours sincerely,



Tim Smith, OAM
Director Assessments
Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate of the Heritage Council of NSW
28 May 2025

Attachment A: Heritage NSW comments on the Environmental Impact Statement

Following referral of this matter to the Approvals Committee of the Heritage Council of NSW, additional comments are provided below, on behalf of Heritage NSW.

The Heritage Council notes that additional information was provided by the Applicant on 12 April, following our initial comment on the Environmental Impact Statement. Heritage NSW thanks the Applicant for this timely response, which addressed a number of the comments which had been raised.

Removal of fencing

The heritage Council notes that it does not support the removal of a 40m section of the existing sandstone and wrought iron fencing on the boundary of the University of Sydney. The fence is a significant element in marking the boundary of the university and the section of fencing along Parramatta Road is substantially intact. Without the associated fencing, it is also considered that the Ross Street gates would lose their context.

No analysis of other options considered which may reduce or avoid heritage impacts while achieving the same safety outcome was provided. It is considered that the heritage impact of the removal has not been sufficiently justified.

The Heritage Council noted that options for discrete openings within the fence could be pursued as a part of the project design, and that trimming or removal of the existing hedge in this location could also be considered to increase its visual permeability.

Historical archaeology

The Heritage Council noted the potential of the site to retain archaeological deposits associated with World War II era air raid trenches (1941-1945) and the construction to the Transient Building (constructed 1945, demolished 2010). These have both been assessed by the EIS as having local significance.

Both the Heritage Council and Heritage NSW do not support the EIS assessment, and correspondence from the Applicant, that there is low potential for intact remains of significance to be present on site, based on disturbances including earthworks and the installation of piles, footings, and services associated with the Transient Building and more recent demountable buildings. It is noted that many of the disturbances described would consist of impacts to relatively isolated areas, and it is considered that there is the potential for archaeology associated with these trenches to remain intact and interpretable within the site.

Intact cut and fill deposits associated with World War II air raid trenches would be of historical significance at a local level and have the potential to contribute to the interpretation of the site as a part of the project. Based on the information available, we assess that there is moderate potential for intact archaeological deposits, which would appropriately be managed through a program of archaeological testing or monitoring prior to the commencement of works.

The Heritage Council suggests that an Archaeological Research Design (ARD), providing a methodology for archaeological investigations, be required in accordance with the guideline *Archaeological Assessments* (Heritage Office and DUAP 1996).

Significant trees

An initial response from the applicant states that there is ambiguity in the significance grading of the trees, as Figure 4.2 of the Grounds Conservation Management Plan shows the trees marked in yellow but does not include an 'E' or 'EW' as shown in the key to the figure. Based on a review of the map, the position of Heritage NSW is that the trees are graded as exceptional.

It is also noted that the Arboricultural assessment (treeiQ 2024) states that the trees are in good health, have good structural condition, and recommends that they are considered for retention.

Heritage NSW requests justification and assessment of heritage impact for the removal of these trees as a part of the proposed works.

Heritage interpretation

Condition B14 of development consent SSD-6123-Mod-2 states that '*all future development applications for new built form that involve the demolition or alteration of existing items of heritage significance shall include a heritage interpretation plan*'. An initial response from the Applicant suggests some ambiguity in the phrasing of this condition, with sub-conditions referring to 'buildings' only.

The Heritage Council is of the opinion that the proposed relocation of the Ross Street Gates and removal of a section of the heritage stone and metal fence are both examples of demolition or alteration to an existing item of heritage significance and would therefore warrant the preparation of a Heritage Interpretation Plan. A Heritage Interpretation Plan would be required to satisfy Condition B14.

Future development

The Heritage Council Approvals Committee invites the University of Sydney to make a presentation to the committee regarding potential future development of Building A03, adjacent to the current proposed development on the western side of Western Avenue, prior to the lodgement of any development application regarding the site. The Heritage Council notes that this item does not form a part of the current application.

TRANSPORT FOR NSW CONSULTATION

From:	Xin Zhao
To:	Nora Babik; andy.yung; Matthew Chow; Laura MacMahon; Drew Bagnall; Alan Crowe; Jagjeet Shergill
Cc:	James Hall; Sandy Leung; Van Le; Ennio Morson
Subject:	TfNSW response - Meeting with Applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub
Date:	Thursday, 31 July 2025 12:17:23 PM
Attachments:	image001.png image.png image.png image.png image.png image.png A-02A-XX-04-PDF[07] - PROPOSED SITE PLAN Sight line comparison.pdf SCT_00478_USYD Ross St A01 SSDA_TAN_Ped crossing analysis_v2.0.pdf

---

Hi Nora,

Thank you for providing additional information. Please find our comments in blue:

1. **Bike Box - Sight line review for the western pedestrian crossing over Parramatta Road:**

- In consultation with TfNSW, the existing location of where vehicles queue was discussed and noted that the new bike box was only setback by 0.7m however further review to be done by the project team. The proposed plan shifts the vehicle stop line back by 0.7m. As shown in the attached "PROPOSED SITE PLAN Sight line comparison.pdf", the difference to visibility of the crossing and waiting area are negligible and immaterial. Although not recommended and demonstrated to have no material impact, the University is receptive to moving the vehicle queuing line to its existing location (making the bike box smaller).
- Further to this, TfNSW had issued a post meeting comment to, "…consider removing the vegetation and shifting the letters on the southwestern corner to improve driver visibility to pedestrians crossing Parramatta Road on the western side. This may help without removing the fencing which is heritage listed…" As advised by the University in response to the post meeting comment by TfNSW, the University has investigated further with the heritage, town planning and arborist teams and can confirm the trimming or partial removal of the hedge can be undertaken to facilitate the inclusion of a bike box. This would be to satisfy the concerns raised by TfNSW regarding driver visibility of pedestrians crossing at the Western Crosswalk on Parramatta Rd; which responds to TfNSW's objection to the bike box - noting the objection of the bike box was on the basis of sightlines and visibility issues.
- Although its demonstrated that the inclusion of a bike box will have a negligible impact to driver sight lines, its noted the partial removal of the hedge would improve visibility over the existing condition and would allow TfNSW to further review/consider the bike box proposal. Suggest the partial removal of the hedge be included as a condition of consent associated with the bike box approval.
- Please note: A comparison has also been completed to show the visibility of the crossing area should the hedge be removed.

  - Subject to compliance with the minimum driver sight line distances outlined in Austroads guidelines—specifically from the Western Avenue southbound approach to pedestrians on the southern footway of Parramatta Road, TfNSW is amenable to the inclusion of the proposed bike box. A condition to this effect will be sought and may necessitate the removal of vegetation within the University grounds to ensure adequate visibility.

  - The implementation of the bike box will require the Applicant to enter into a Works Authorisation Deed with TfNSW. As part of this process, a detailed design review will be undertaken, which may result in amendments to the current preliminary concept design.

  - TfNSW does not support the introduction of a dedicated bicycle signal phase at this

location in the absence of a continuous shared path along Parramatta Road. Such infrastructure is essential to justify and support the operational effectiveness of a separate bicycle phase.

2. **Zebra Crossing - Impact of proposed zebra crossing to spillback onto Parramatta Road:**

SCT Consulting has prepared a technical memo exploring whether the zebra crossing proposed could cause queue spillback onto Parramatta Road (attached). It finds that the critical threshold at which queue spillback is expected is much higher than the anticipated uplift in pedestrian activity in the area and recommends proceeding with the zebra crossing. Although not recommended and demonstrated to have no material impact, the University is receptive to moving the zebra crossing further south to possibly accommodate one more vehicle.

- TfNSW is amenable to the marked pedestrian crossing in Western Avenue as depicted on Drawing Number AR-02A-XX-04 Issue 07.
- Appropriate measures should put in place to ensure that pedestrians cross Western Avenue via the marked pedestrian crossing.
- There is a typo error on Technical Note dated 26/06/25 summarised in the Recommendations on Page 3 (screenshot below) that the 95th percentile queues of 2.9m and 2.7m in AM and PM peak. Please check if these numbers are correct.

Recommendations and next steps

The modelling indicates that the proposed zebra crossing will generate 95th percentile queues of 2.9m and 2.7m in AM and PM peak, well within the available 36m storage space on Western Avenue.

Queueing is not forecast to impact the Parramatta Road | Ross Street intersection under existing or expected future conditions. Queues may only reach the upstream intersection if pedestrian volumes increase significantly beyond forecasts, which is unlikely.

3. **MRV turn path into the site:**

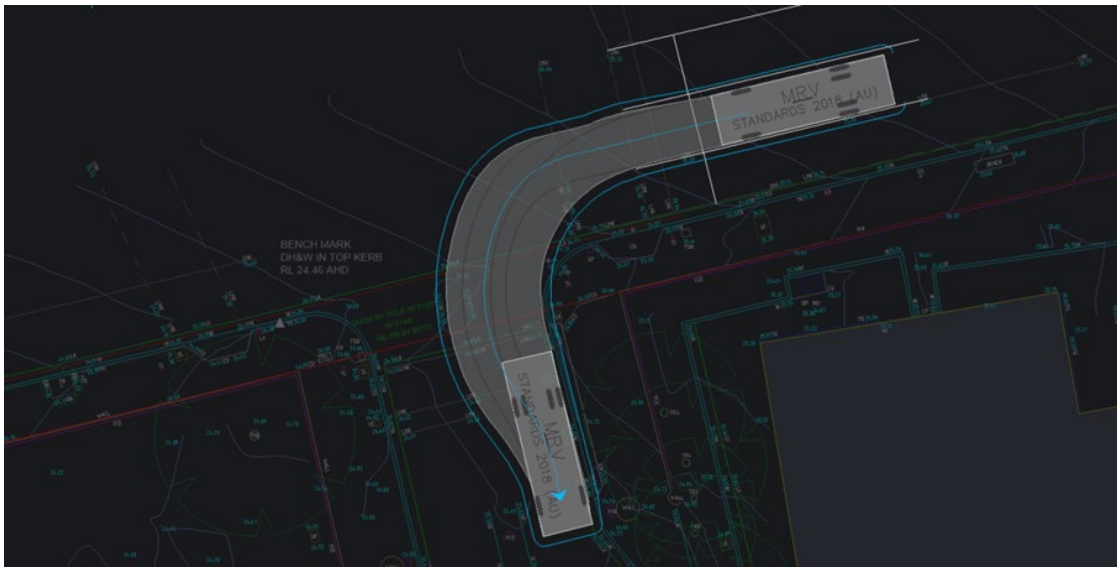
We have established that **if MRV's do turn left** into the university from Parramatta road, they can **only do so from the second lane** (see image and swept path demonstrating this below). Turning from the second lane will leads to mounting/clipping of the median by the front wheel but can still physically make it into the site. The proposed modifications removes this centre median curb and the project can consider trimming back the proposed median strip to better facilitate MRVs from turning left into the university from Parramatta Road (only from the east).

The current situation exists irrespective of the proposed development, and the project does not worsen it in any way. The removal of the existing median at the centre of the crossing offers an improvement to the MRVs turning in. However, the University is receptive in implementing a ban to MRV's turning left into the university from Parramatta Road (only from the east). Note that MRVs can still enter the university at this gate from the north and from the west. In this case, we can implement the "no left turn, vehicles under 6.4m excepted".

It is noted that the left (southern lane) operates as a bus lane between 6am to a10am and then 3pm to 7pm, outside of these hours parking is permitted on Parramatta Road in close proximity to the Ross St intersection. This minimises the risk of vehicles turning left from the centre lane.

- TfNSW advises the proposed "*no left turn, vehicles under 6.4m excepted*" should be amended to "*no left turn, vehicles under 6m excepted*".
- The existing No Right Turn (NRT) restriction from Parramatta Road into Western

Avenue (Sydney University access) shall be maintained. As such, please remove reference to this right turn movement being permitted, highlighted in yellow above.



4. **Footpath**

   At the meeting, TfNSW were open to providing more amenity in the bus stop area via more seating in the new landscaping and that TfNSW would not object to the current bench being removed to increase the effective clear width of the footpath. The project team has been working with City of Sydney and HNSW for an optimal solution. This is a work in progress.

   Noted

5. **Continuous Footpath Treatment**

   At the meeting, TfNSW advised the objection of a CFT. The project team has since consulted with City of Sydney and will not include this in the development.

   Noted

From: Nora Babik <nora.babik@sydney.edu.au>
Sent: 30 June 2025 11:28
To: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; Andy Yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>
Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

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Hi Xin,

Thanks again for Transport for NSW's time to meet with us and the few correspondence's post meeting below.

Further to our meeting notes and presentation issued to Transport for NSW (TfNSW), we have the below/attached responses to TfNSW's submission and other additional concerns raised both at the meeting and post meeting.

Please review and advise acceptance and if it satisfies the submission prior to us issuing officially to DPHI via the Response to Submissions process.

Thank you.

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   - In consultation with TfNSW, the existing location of where vehicles queue was discussed and noted that the new bike box was only setback by 0.7m however further review to be done by the project team. The proposed plan shifts the vehicle stop line back by 0.7m. As shown in the attached "PROPOSED SITE PLAN Sight line comparison.pdf", the difference to visibility of the crossing and waiting area are negligible and immaterial. Although not recommended and demonstrated to have no material impact, the University is receptive to moving the vehicle queuing line to its existing location (making the bike box smaller).
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further with the heritage, town planning and arborist teams and can confirm the trimming or partial removal of the hedge can be undertaken to facilitate the inclusion of a bike box. This would be to satisfy the concerns raised by TfNSW regarding driver visibility of pedestrians crossing at the Western Crosswalk on Parramatta Rd; which responds to TfNSW's objection to the bike box - noting the objection of the bike box was on the basis of sightlines and visibility issues.

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SCT Consulting has prepared a technical memo exploring whether the zebra crossing proposed could cause queue spillback onto Parramatta Road (attached). It finds that the critical threshold at which queue spillback is expected is much higher than the anticipated uplift in pedestrian activity in the area and recommends proceeding with the zebra crossing. Although not recommended and demonstrated to have no material impact, the University is receptive to moving the zebra crossing further south to possibly accommodate one more vehicle.

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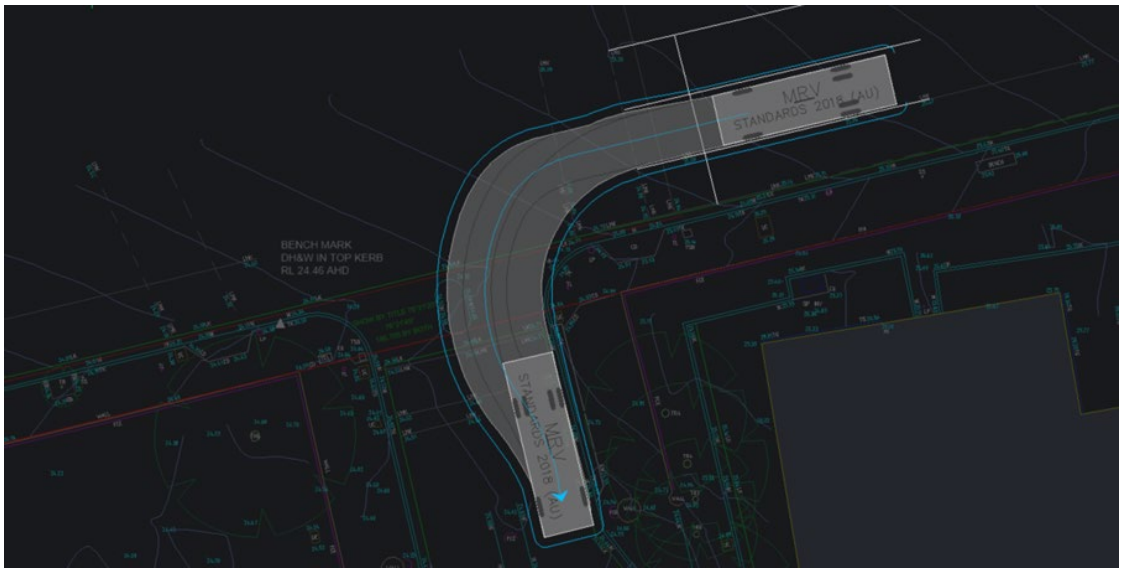

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Thank you.

Kind Regards,

Nora Babik | **Senior Project Manager**

University Infrastructure

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OFFICIAL

From: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: Friday, May 23, 2025 1:03 PM
To: Nora Babik <nora.babik@sydney.edu.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>
Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Thank you Nora,

In the meantime, we will review the minutes and get back to you.

Kind regards, Xin

OFFICIAL

From: Nora Babik <nora.babik@sydney.edu.au>
Sent: 23 May 2025 11:58
To: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; Andy Yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>
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Hi Xin,

As requested, please see attached slide deck used at the meeting and summary of notes below. Thank you.

Bike Box

- TfNSW noted their concerns about:
  - the safe operation of the pedestrian crossing facility across the western approach of Parramatta Road due to poor driver visibility on the south approach to the signalised intersection to pedestrians and cyclists
  - the vegetation on the Western Ave / Parramatta west corner
  - whether swept paths work and are efficient exiting the University
- The existing location of where vehicles queue was discussed and noted that the new bike box only pushes the vehicle queuing line south by about 772mm. Post meeting note: the new queuing line is also further East, which increases driver visibility.
- It was agreed TfNSW would consider the bike box proposal if existing vehicle queuing line is maintained and swept paths can be demonstrated.

Footpath

- TfNSW's suggestion of having the landscaping design provide consideration in supporting a wider footpath along the Parramatta Road corridor to support better accessibility to the bus stop and the walkability of the area was discussed. The University noted the concerns raised by both City of Sydney and Heritage NSW on removal of the fence as it is a heritage item; however further noted the proposal of implementing more seating around the bus stop area to provide more amenity to the bus stop.
- It was advised the bus stop is not TfNSW owned. Owned by CoS and noted in their response as non-compliant grades requiring rectification.
- TfNSW were open to providing more amenity in this area via more seating in the new landscaping and that TfNSW would not object to the current bench being removed to increase the effective clear width of the footpath.
- City of Sydney suggestion of adding in measures to prevent people running across Parramatta Road, due to the removal of the fence was discussed. The additional measures of adding in fencing along the Parramatta Rd median strip and footpath was not accepted by TfNSW as the median strip is not minimum 1.2m wide.

Zebra Crossing

- The importance of this crossing for pedestrian safety was discussed.
- It was agreed as a second option for the University to test the benefits of moving the crossing further south to determine if this improved vehicle queuing.
- SCT to provide TfNSW the modelling done to date

Continuous Footpath Treatment

- TfNSW advised they do not accept a CFT.
- It was agreed the existing curb that's proposed to be removed (in the middle of the existing pedestrian crossing) is not a refuge island and therefore isn't required to be retained.

Actions:

1. University to demonstrate field of vision for vehicles under current traffic arrangement and compare with the newly proposed arrangement including moving vehicles to the East and setting the queuing line back 750mm to demonstrate no negative impact. University to test moving the bike box to match the existing queuing line and demonstrate field of vision. Post meeting note: University to investigate possibility of removing existing hedge and fence signage to improve visibility to newly constructed

signalised pedestrian crossing on Parramatta Rd.
2. SCT to provide modelling and swept path tests with TfNSW
3. Parramatta footpath by bus stop to be reviewed and University to provide proposal of adding more seating amenity in bus stop area
4. University to test moving zebra crossing further south
5. University to come back to TfNSW for final consultation prior to issuing Response to Submission to the Department of Planning.

Thank you.

Kind Regards,

Nora Babik | **Senior Project Manager**

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OFFICIAL

From:
Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: Wednesday, 21 May 2025 1:07 PM
To: Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
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Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Hi Drew,

Thank you for following up.

The below approach may help with improve visibility, is provided for your consideration, along with other advice we provided in the meeting, for identify potential solutions.

We could provide further advice/position once potential solutions identified and provided to TfNSW for comments, which will require internal Transport teams review. Hope this helps.

Kind regards,
Xin

OFFICIAL

From: Drew Bagnall <drew.bagnall@sydney.edu.au>
Sent: 21 May 2025 12:42
To: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; Andy Yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
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Subject: RE: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

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Hi Xin,

Thank you for the consideration below, we will investigate this further with our heritage, town planning and arborist teams. To ensure that we're clear, does facilitation of the below satisfy the concerns raised regarding driver visibility of pedestrians crossing at the Western Crosswalk on Parramatta Rd? (i.e. would this resolve TfNSW objection to the bike box on the basis that sightlines and visibility would be improved).

Please feel free to contact me to discuss

Regards,
DREW BAGNALL | Project Director
University Infrastructure

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E drew.bagnall@sydney.edu.au | **W** http://sydney.edu.au
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OFFICIAL

From: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: Tuesday, 20 May 2025 3:12 PM
To: Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
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Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Afternoon all,

Following this afternoon's meeting, one additional comment for your consideration - consider removing the vegetation and shifting the letters on the southwestern corner to improve driver visibility to pedestrians crossing Parramatta Road on the western side. Area of concern circled in blue below. This

may help without removing the fencing which is heritage listed.

Besides, it would be great if we could receive a copy of meeting minutes and presentation slides, for our records.

Kind regards,
Xin

OFFICIAL

From: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: 11 May 2025 10:36
To: Andy Yung <andy.yung@sctconsulting.com.au>; drew.bagnall@sydney.edu.au <drew.bagnall@sydney.edu.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; laura.macmahon@sydney.edu.au <laura.macmahon@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; nora.babik@sydney.edu.au <nora.babik@sydney.edu.au>; Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>
Subject: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub
When: 20 May 2025 14:00-14:30.
Where: Microsoft Teams Meeting

Morning all,

This meeting is requested by the applicant to discuss TfNSW submission to the USYD Ross Street Teaching and Learning Hub SSD.

Following items for discussion:

- Proposed zebra crossing over Western Avenue approximately 40m south of the signalised intersection (concerns from TfNSW around spillback of vehicle queue onto Parramatta Road)
- Bike box implementation at the southern approach to the Parramatta Road | Ross Street intersection to provide for cyclist priority (concerns from TfNSW around sight

lines).

Please let me know if the time works for you.

Thank you,
Xin

Microsoft Teams [Need help?]

Join the meeting now

Meeting ID: 435 935 074 528 1

Passcode: Fy3EH9W2

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Find a local number

Phone conference ID: 980 023 569#

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Outlook

Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

From Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Date Tue 1/07/2025 12:43 PM
To Nora Babik <nora.babik@sydney.edu.au>
Cc Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>

Thank you Nora, for the additional responses and documents.

We will review and get back to you. If any questions in the interim please feel free to reach out.

Kind regards, Xin

OFFICIAL

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Sent: 30 June 2025 11:28
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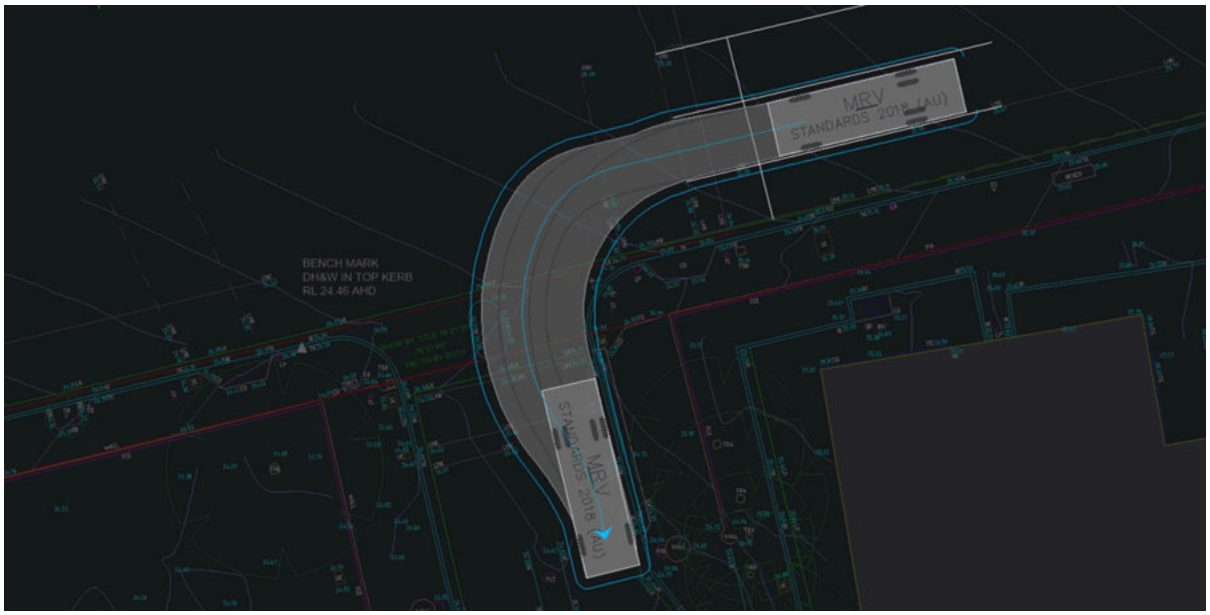

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Thank you.

Kind Regards,

Nora Babik | **Senior Project Manager**

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Sent: Friday, May 23, 2025 1:03 PM
To: Nora Babik <nora.babik@sydney.edu.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>
Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Thank you Nora,

In the meantime, we will review the minutes and get back to you.

Kind regards, Xin

From: Nora Babik <nora.babik@sydney.edu.au>
Sent: 23 May 2025 11:58
To: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; Andy Yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; Alan Crowe <alan.crowe@sydney.edu.au>
Subject: RE: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

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Hi Xin,

As requested, please see attached slide deck used at the meeting and summary of notes below. Thank you.

Bike Box

- TfNSW noted their concerns about:
  - the safe operation of the pedestrian crossing facility across the western approach of Parramatta Road due to poor driver visibility on the south approach to the signalised intersection to pedestrians and cyclists
  - the vegetation on the Western Ave / Parramatta west corner
  - whether swept paths work and are efficient exiting the University
- The existing location of where vehicles queue was discussed and noted that the new bike box only pushes the vehicle queuing line south by about 772mm. Post meeting note: the new queuing line is also further East, which increases driver visibility.
- It was agreed TfNSW would consider the bike box proposal if existing vehicle queuing line is maintained and swept paths can be demonstrated.

Footpath

- TfNSW's suggestion of having the landscaping design provide consideration in supporting a wider footpath along the Parramatta Road corridor to support better accessibility to the bus stop and the walkability of the area was discussed. The University noted the concerns raised by both City of Sydney and Heritage NSW on removal of the fence as it is a heritage item; however further noted the proposal of implementing more seating around the bus stop area to provide more amenity to the bus stop.
- It was advised the bus stop is not TfNSW owned. Owned by CoS and noted in their response as non-compliant grades requiring rectification.
- TfNSW were open to providing more amenity in this area via more seating in the new landscaping and that TfNSW would not object to the current bench being removed to increase the effective clear width of the footpath.
- City of Sydney suggestion of adding in measures to prevent people running across Parramatta Road, due to the removal of the fence was discussed. The additional measures of adding in fencing along the Parramatta Rd median strip and footpath was not accepted by TfNSW as the median strip is not minimum 1.2m wide.

Zebra Crossing

- The importance of this crossing for pedestrian safety was discussed.
- It was agreed as a second option for the University to test the benefits of moving the crossing further south to determine if this improved vehicle queuing.
- SCT to provide TfNSW the modelling done to date

Continuous Footpath Treatment

- TfNSW advised they do not accept a CFT.
- It was agreed the existing curb that's proposed to be removed (in the middle of the existing pedestrian crossing) is not a refuge island and therefore isn't required to be retained.

Actions:

1. University to demonstrate field of vision for vehicles under current traffic arrangement and compare with the newly proposed arrangement including moving vehicles to the East and setting the queuing line back 750mm to demonstrate no negative impact. University to test moving the bike box to match the existing queuing line and demonstrate field of vision. Post meeting note: University to investigate possibility of removing existing hedge and fence signage to improve visibility to newly constructed signalised pedestrian crossing on Parramatta Rd.
2. SCT to provide modelling and swept path tests with TfNSW
3. Parramatta footpath by bus stop to be reviewed and University to provide proposal of adding more seating amenity in bus stop area
4. University to test moving zebra crossing further south
5. University to come back to TfNSW for final consultation prior to issuing Response to Submission to the Department of Planning.

Thank you.

Kind Regards,

Nora Babik | **Senior Project Manager**

University Infrastructure
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From:
Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: Wednesday, 21 May 2025 1:07 PM
To: Drew Bagnall <drew.bagnall@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>
Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Hi Drew,

Thank you for following up.

The below approach may help with improve visibility, is provided for your consideration, along with other advice we provided in the meeting, for identify potential solutions.

We could provide further advice/position once potential solutions identified and provided to TfNSW for comments, which will require internal Transport teams review. Hope this helps.

Kind regards,
Xin

OFFICIAL

From: Drew Bagnall <drew.bagnall@sydney.edu.au>
Sent: 21 May 2025 12:42
To: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; Andy Yung <andy.yung@sctconsulting.com.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>
Subject: RE: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

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Hi Xin,

Thank you for the consideration below, we will investigate this further with our heritage, town planning and arborist teams. To ensure that we're clear, does facilitation of the below satisfy the concerns raised regarding driver visibility of pedestrians crossing at the Western Crosswalk on Parramatta Rd? (i.e. would this resolve TfNSW objection to the bike box on the basis that sightlines and visibility would be improved).

Please feel free to contact me to discuss
Regards,

DREW BAGNALL | Project Director
University Infrastructure

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From: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: Tuesday, 20 May 2025 3:12 PM
To: Matthew Chow <matthew.chow@sctconsulting.com.au>; andy.yung <andy.yung@sctconsulting.com.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Nora Babik <nora.babik@sydney.edu.au>
Cc: Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>
Subject: Re: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub

Afternoon all,

Following this afternoon's meeting, one additional comment for your consideration - consider removing the vegetation and shifting the letters on the southwestern corner to improve driver visibility to pedestrians crossing Parramatta Road on the western side. Area of concern circled in blue below. This may help without removing the fencing which is heritage listed.

Besides, it would be great if we could receive a copy of meeting minutes and presentation slides, for our records.

Kind regards,
Xin

OFFICIAL

From: Xin Zhao <Xin.Zhao@transport.nsw.gov.au>
Sent: 11 May 2025 10:36
To: Andy Yung <andy.yung@sctconsulting.com.au>; drew.bagnall@sydney.edu.au <drew.bagnall@sydney.edu.au>; Ennio Morson <Ennio.MORSON@transport.nsw.gov.au>; James Hall <James.HALL@transport.nsw.gov.au>; laura.macmahon@sydney.edu.au <laura.macmahon@sydney.edu.au>; Matthew Chow <matthew.chow@sctconsulting.com.au>; nora.babik@sydney.edu.au <nora.babik@sydney.edu.au>; Sandy Leung <Sandy.Leung2@transport.nsw.gov.au>; Van Le <Van.Le@transport.nsw.gov.au>
Subject: TfNSW meet with the applicant - SSD - USYD A01 Ross Street Teaching and Learning Hub
When: 20 May 2025 14:00-14:30.
Where: Microsoft Teams Meeting

Morning all,

This meeting is requested by the applicant to discuss TfNSW submission to the USYD Ross Street Teaching and Learning Hub SSD.

Following items for discussion:

- Proposed zebra crossing over Western Avenue approximately 40m south of the signalised intersection (concerns from TfNSW around spillback of vehicle queue onto Parramatta Road)
- Bike box implementation at the southern approach to the Parramatta Road | Ross Street intersection to provide for cyclist priority (concerns from TfNSW around sight lines).

Please let me know if the time works for you.

Thank you,
Xin

Microsoft Teams Need help?

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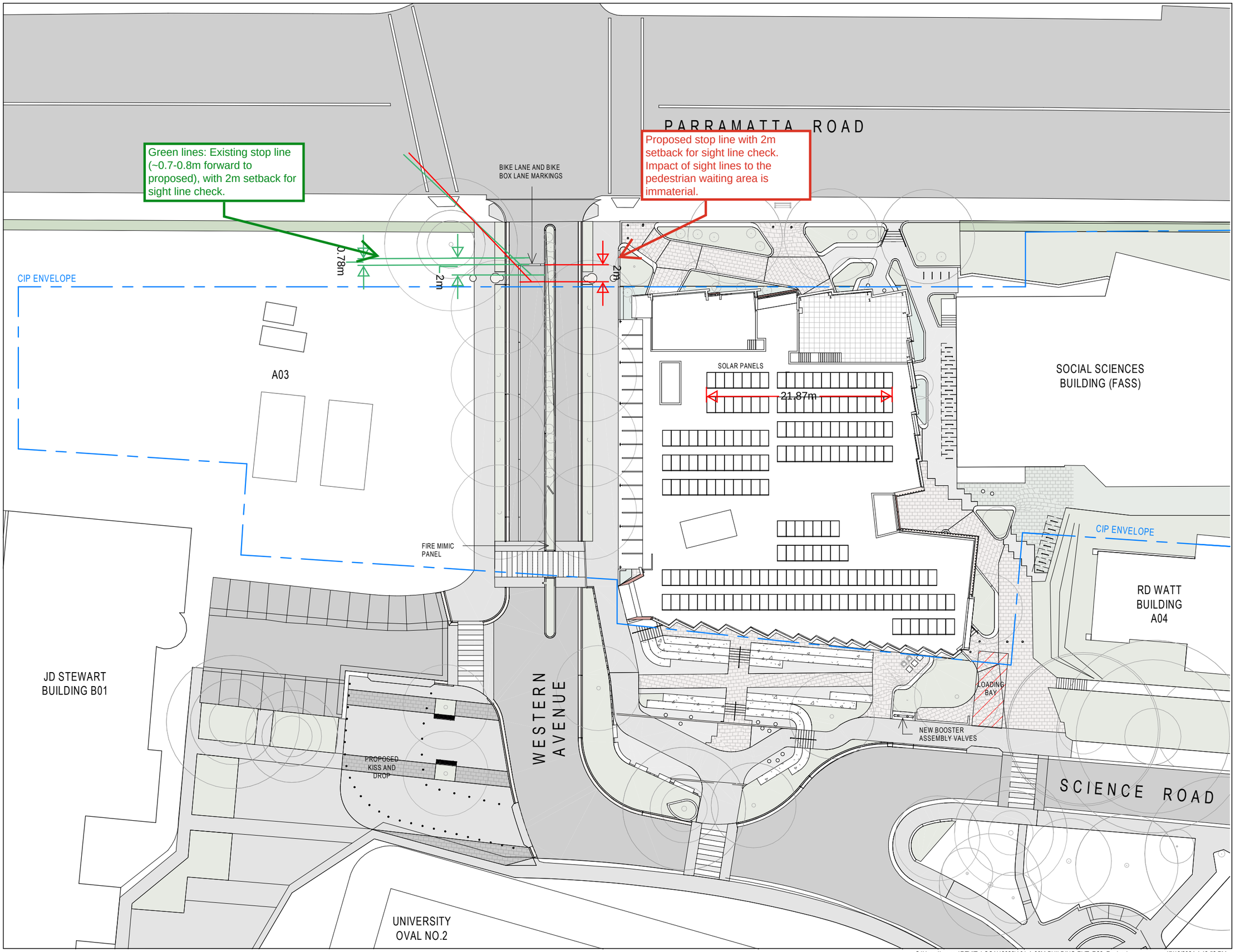

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06	15/08/2024	SSDA	
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PROJECT

A01 ROSS ST TEACHING & LEARNING HUB

BVN PROJECT NUMBER

2306010

TRUE NORTH PROJECT NORTH

SCALE

1 : 400@A3

0 1000 3000

STATUS

12.09m

DRAWING

PROPOSED SITE PLAN

DRAWING NUMBER	ISSUE
AR-02A-XX-04	07

Sight line is improved dramatically if hedge is cleared away so that drivers can see through the fence line.

Lack of detail on tree width. Assumed 0.5m diameter trunk.

PARRAMATTA ROAD

BIKE LANE AND BIKE BOX LANE MARKINGS

2m

CIP ENVELOPE

A03

SOLAR PANELS

SOCIAL SCIENCES BUILDING (FASS)

FIRE MIMIC PANEL

JD STEWART BUILDING B01

WESTERN AVENUE

PROPOSED KISS AND DROP

CIP ENVELOPE

RD WATT BUILDING A04

LOADING BAY

NEW BOOSTER ASSEMBLY VALVES

SCIENCE ROAD

UNIVERSITY OVAL NO.2

C:\Users\kyeung\REVIT_LOCAL\2023\A01-A-00M-BUILDING-RVT_R23_Revised SSDA_KatieYeung.rvt

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DRAWING NUMBER	ISSUE
AR-02A-XX-04	07

Technical Advisory Note

Project	USYD Ross St A01 SSDA	**Project Number**	SCT_00478
Client	University of Sydney		
Document Name	Impact of Proposed Zebra Crossing on Parramatta Road | Ross Street Intersection		
Version	2.0	**Date**	26 June 2025
Author	Rohan Shetkar	Senior Consultant	
Reviewer	Matthew Chow	Senior Consultant	
Authoriser	Andy Yung	Director	

Background

SCT Consulting has been engaged by the University of Sydney to support a State Significant Development Application (SSDA) for the proposed construction of the A01 Ross Street Teaching and Learning Hub (A01). The development comprises a new five-storey education facility located at the southeastern corner of Ross Street and Parramatta Road, within the University's Camperdown campus.

The A01 building will deliver approximately 6,200 m² of gross floor area, including large-format General Teaching Spaces, informal learning areas, and significant public domain improvements. The project also includes a new shuttle bus stop, accessible pick-up/drop-off zone, and upgrades to pedestrian infrastructure and landscaping along Western Avenue.

As part of the broader campus upgrades, a zebra crossing over Western Avenue is proposed, set back approximately 40m from the Parramatta Road intersection. There is concern that this new pedestrian crossing, by prioritising pedestrian movements, may result in vehicular queues extending northwards and impacting operations at the signalised intersection of Parramatta Road | Ross Street (of which the southern approach is Western Avenue).

This technical advisory note has been prepared to assess the potential impacts of the zebra crossing on the Parramatta Road | Ross Street intersection. SIDRA intersection modelling was undertaken to evaluate existing conditions, forecast queuing under increased pedestrian volumes, and determine whether the zebra crossing would impede traffic operations at the upstream intersection.

Data collection

Traffic and pedestrian volume surveys were conducted on Tuesday, 31 October 2023, at the following intersections:

– Parramatta Road | Ross Street (signalised)

– Western Avenue | Science Road (unsignalised)

The surveys recorded classified turning movements for light vehicles, heavy vehicles, and buses, along with pedestrian volumes at each crossing. Informal pedestrian movements across Western Avenue, particularly in the unfenced section between Parramatta Road and Science Road, were also observed and included in the analysis, attributed to the northern crossing of Western Avenue | Science Road intersection for modelling purposes.

The following peak periods were used for the assessment:

– AM Peak: 8.00–9.00am

– PM Peak: 4.00–5.00pm

Table 1 shows the peak hour vehicular volumes at Parramatta Road | Ross Street.

Table 1 Peak hour traffic volume at Parramatta Road | Ross Street intersection

Approach	Movement	AM Peak hour			PM Peak hour		
		Light vehicles	Heavy vehicles	Buses	Light vehicles	Heavy vehicles	Buses
North	L	65	5	0	83	2	0
	T	75	1	0	62	1	0
	R	127	6	0	160	1	0
East	L	16	0	0	18	0	0
	T	749	64	37	1,638	89	38
	R	103	5	0	190	0	0
South	L	26	2	0	42	0	0
	T	52	1	0	63	0	0
	R	13	1	0	33	1	1
West	L	218	5	0	95	0	0
	T	1,968	103	51	988	55	42
	Total	**3,412**	**193**	**88**	**3,372**	**149**	**81**

Analysis

The Parramatta Road | Ross Street intersection and the proposed zebra crossing on the northern approach of were modelled as a connected network in SIDRA. Vehicular queuing on at the proposed zebra crossing occurs solely as a result of vehicles yielding to pedestrians at the proposed zebra crossing.

To assess the worst-case scenario, it was assumed that all pedestrians currently using the southern crossing at Parramatta Road | Ross Street would instead use the proposed zebra, though this would be a conservative assumption given pedestrians crossing east-west are not likely to divert. **Table 2** presents the pedestrian volumes at the proposed zebra crossing.

Table 2 Pedestrian volumes at the proposed zebra crossing

Intersection	AM Peak hour			PM Peak hour		
	Eastbound	Westbound	Total	Eastbound	Westbound	Total
Parramatta Rd | Ross St Southern Crossing	12	18	30	18	13	31
Existing Western Ave | Science Rd Northern Crossing (informal crossing)	18	59	77	119	32	151
Total pedestrian volume at proposed zebra crossing	**30**	**77**	**107**	**137**	**45**	**182**

Using SIDRA 9.1, intersections were modelled with these adjusted pedestrian volumes. The modelling indicates the following 95th percentile queue lengths for the pedestrian crossing would be:

– AM Peak: 2.9 metres

– PM Peak: 2.7 metres

The forecast queue lengths remain well within the available 36 metres of storage on the north approach of Western Avenue, indicating that operations at the Parramatta Road | Ross Street intersection will not be adversely impacted under current pedestrian volumes.

Sensitivity test

To future-proof the analysis, a sensitivity test was conducted to determine the maximum pedestrian volume at the zebra crossing that would result in queuing reaching Parramatta Road.

Key assumptions:

– No new car parking is proposed as part of the A01 development.

– Traffic volumes on Parramatta Road and Western Avenue are expected to remain unchanged, consistent with general advice from the City of Sydney for constrained inner-city arterials.

The modelling showed that queues would reach Parramatta Road only if pedestrian volumes at the zebra crossing reach:

– AM Peak: 1,695 pedestrians per hour

– PM Peak: 1,810 pedestrians per hour

These thresholds are approximately 10 to 16 times higher than the current observed pedestrian volumes.

Currently, approximately 700 students per hour use the Ross Street gates during peak periods. The A01 building, with a maximum occupancy of 1,640 people, is expected to generate up to 1,312 pedestrian movements per hour, assuming 80 per cent of students arrive or depart during peak times. This would result in a total of approximately 2,000 pedestrian movements per hour in the vicinity, roughly three times the current pedestrian activity of 700 student movements per hour.

Even under this high-demand scenario, pedestrian volumes at the proposed zebra crossing are expected to reach only 321–546 pedestrians per hour (thrice the current volumes) during peak periods, which remains well below the modelled thresholds of 1,695–1,810 pedestrians per hour. This confirms that future pedestrian growth associated with the A01 development will not result in queue spillover to Parramatta Road.

Recommendations and next steps

The modelling indicates that the proposed zebra crossing will generate 95th percentile queues of 2.9m and 2.7m in AM and PM peak, well within the available 36m storage space on Western Avenue.

Queueing is not forecast to impact the Parramatta Road | Ross Street intersection under existing or expected future conditions. Queues may only reach the upstream intersection if pedestrian volumes increase significantly beyond forecasts, which is unlikely.

It is recommended to:

– Proceed with the implementation of the proposed zebra crossing.

– Monitor pedestrian volumes post-occupancy of A01.

– Undertake further analysis if pedestrian volumes approach the identified threshold and consider mitigation measures.

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CONSERVATION PROGRAMS, HERITAGE AND REGULATION GROUP CONSULTATION

From:	Nora Babik
To:	Nora Babik
Subject:	FW: CPHR advice - University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review
Date:	Tuesday, 29 July 2025 1:57:33 PM
Attachments:	image001.png image002.png

From: Susan Harrison <Susan.Harrison@environment.nsw.gov.au>
Sent: Friday, 25 July 2025 11:06 AM
To: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Cc: Patrick Nash <patrick.nash@planning.nsw.gov.au>; David.Gibson <David.Gibson@planning.nsw.gov.au>; Louisa Clark <Louisa.Clark@environment.nsw.gov.au>; Angela Stewart <angela.stewart@environment.nsw.gov.au>
Subject: CPHR advice - University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review

Hello Jagjeet,

Thank you for your email requesting CPHR to review the draft flood material for University of Sydney Ross Street Teaching and Learning Hub (SSD-57838709) on the 14 July 2025.

CPHR has reviewed the Flood Response Statement (GRC Hydro, 7th July 2025) and provides the following comments.

A number of flooding comments were initially raised in CPHR's advice on the Environmental Impact Statement dated 11 April 2025 requesting clarification and further information. It is important where sites have undergone a significant number of changes since preparation of Council flood studies that these are correctly articulated in the flood impact and risk assessment for new development.

The information provided in the Flood Response Statement now describes previous analysis on site, relationship to the Council flood study and provides additional information on changes to flood hazard in localised areas. It is considered that the provided information will address items 1, 3 and 4 in CPHR's advice dated 11 April 2025. This information should be included in the Response to Submissions (RtS). CPHR advise items 2, 5 and 6 are still required to be addressed in the RtS.

Regards
Susan

Susan Harrison
Senior Team Leader Planning, Greater Sydney
Regional Delivery
Conservation Programs, Heritage and Regulation
Department of Climate Change
Energy, the Environment and Water

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Level 14, 4 Parramatta Square,
Parramatta

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>
Sent: Thursday, 24 July 2025 1:37 PM
To: OEH ROG Greater Sydney Region Planning Unit Mailbox <rog.gsrplanning@environment.nsw.gov.au>; Louisa Clark <Louisa.Clark@environment.nsw.gov.au>; Angela Stewart <angela.stewart@environment.nsw.gov.au>
Cc: Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; gray <gray@grchydro.com.au>; Zac Richards <richards@grchydro.com.au>; Tomas Steele <tomas@grchydro.com.au>
Subject: CM Record: RE: University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review.

Hi Louisa, Angela.

Just an update on the University's progress on preparing its Response to Submissions (RtS) for the Ross Street Teaching and Learning Hub (SSD-57838709).

The University is aiming to formally lodge the RtS to the Department of Planning, Housing, and Infrastructure (DPHI) by the end of next week.

Any feedback or response CPHR may be able to provide to clarify the matters raised in the email below, would be very appreciated to assist the University finalising the RtS.

Many thanks,
Jag

Jagjeet Shergill | Town Planning Manager
University Infrastructure

THE UNIVERSITY OF SYDNEY
Level 1, Services Building G12 | 22 Codrington Street | Darlington | NSW | 2008
M 0481 053 992 | **E** jagjeet.shergill@sydney.edu.au | **W** sydney.edu.au

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This email plus any attachments to it are confidential. Any unauthorised use is strictly prohibited.
If you receive this email in error, please delete it and any attachments.

From: Tomas Steele <tomas@grchydro.com.au>

Sent: Monday, 14 July 2025 3:50 PM
To: 'rog.gsrplanning@environment.nsw.gov.au' <rog.gsrplanning@environment.nsw.gov.au>
Cc: Nora Babik <nora.babik@sydney.edu.au>; Laura MacMahon <laura.macmahon@sydney.edu.au>; Drew Bagnall <drew.bagnall@sydney.edu.au>; Jagjeet Shergill <jagjeet.shergill@sydney.edu.au>; 'Louisa.Clark@environment.nsw.gov.au' <Louisa.Clark@environment.nsw.gov.au>; 'angela.stewart@environment.nsw.gov.au' <angela.stewart@environment.nsw.gov.au>; gray <gray@grchydro.com.au>; Zac Richards <richards@grchydro.com.au>
Subject: University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review.

To the Conservation Programs, Heritage and Regulation Group,

RE: University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review.

GRC Hydro are the flood consultants who prepared the Flood Impact and Risk Assessment (FIRA) in the EIS for SSD-57838709. After the submission, comments by CPHR were received regarding the FIRA in DOC25/199173 with 'Subject: Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)' (11th April 2025).

The applicant has since reached out to CPHR to discuss some of the comments received before the formal response to submissions. CPHR have indicated that draft flood material for review prior to the response to submissions can be emailed from the flood consultant.

Please find attached a Flood Response Statement (Dated 7th July 2025) prepared by GRC Hydro as flood material for the review of CPHR.

Copied in includes project managers at the University of Sydney (the applicant), the directors at GRC Hydro (the flood consultant), and the representatives from CPHR for contact in DOC25/199173.

Kind Regards,

Tomas Steele
Senior Engineer

GRC Hydro Pty Ltd
e: tomas@grchydro.com | t: +61 439 274 967
a: Level 20, 66 Goulburn Street, Sydney 2000
w: grchydro.com.au

I am currently unavailable on Thursdays

This email is intended for the addressee(s) named and may contain confidential and/or

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Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the NSW Department of Climate Change, Energy, the Environment and Water.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

From:	Tomas Steele
To:	"rog.gsrplanning@environment.nsw.gov.au"
Cc:	Nora Babik; Laura MacMahon; Drew Bagnall; Jagjeet Shergill; "Louisa.Clark@environment.nsw.gov.au"; "angela.stewart@environment.nsw.gov.au"; gray; Zac Richards
Subject:	University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review.
Date:	Monday, 14 July 2025 3:50:45 PM
Attachments:	L20250707_GRC_FloodResponseStatement_v01.pdf

To the Conservation Programs, Heritage and Regulation Group,

RE: University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review.

GRC Hydro are the flood consultants who prepared the Flood Impact and Risk Assessment (FIRA) in the EIS for SSD-57838709. After the submission, comments by CPHR were received regarding the FIRA in DOC25/199173 with 'Subject: Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)' (11th April 2025).

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Copied in includes project managers at the University of Sydney (the applicant), the directors at GRC Hydro (the flood consultant), and the representatives from CPHR for contact in DOC25/199173.

Kind Regards,

Tomas Steele
Senior Engineer

GRC Hydro Pty Ltd
e: tomas@grchydro.com | t: +61 439 274 967
a: Level 20, 66 Goulburn Street, Sydney 2000
w: grchydro.com.au

I am currently unavailable on Thursdays

Project:	*Ross St Teaching and Learning Centre SSD*
Project ID:	*230077*
Date:	*7th July 2025*
To:	*Conservation Programs, Heritage and Regulation (CPHR)*
Subject:	***University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review***
Version:	*Version 1*
Author:	*Tomas Steele*
Reviewer:	*Zac Richards*
Authorised by:	*Stephen Gray*

GRC Hydro
Level 20,66 Goulburn Street
Sydney NSW 2000

Tel: +61 2 9030 0342
www.grchydro.com.au

RE: University of Sydney Ross Street Teaching and Learning Hub SSD-57838709 – Draft flood material for review

GRC Hydro are the flood consultants who prepared the Flood Impact and Risk Assessment for SSD-57838709 on behalf of the University of Sydney (USYD) for proposed works herein referred to as the 'A01 Ross Street Teaching and Learning Hub' or for 'the site'. After the submission comments were received from the Conservation Programs, Heritage and Regulation Group (CPHR) in DOC25/199173 with subject "Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)" and dated 11th April 2025.

Eight Key Assessment Issues were provided by CPHR, seven which relate to Flooding and one on Biodiversity. Prior to the formal responses to submissions USYD sought a meeting with CPHR to discuss three of these Key Assessment Issues, as GRC Hydro found the recommended actions from CPHR to be excessive for these issues given the low flood liability of the site. These Key Assessment Issues were:

- Issue 1 – Flood Impacts
- Issue 3 – Hazard categorisations
- Issue 4 – Flood Risk to Pedestrians

This Flood Response Statement seeks to provide the draft flood material for review on the three Key Assessment Issues noted above. Table 1 provides specific section references for these. All other items are not included in this Flood Response Statement and are to be submitted with the formal Response to Submissions. We have structured the Flood Response Statement as follows:

- Section 1: Additional items for context
- Section 2: Addressing Key Assessment Issue 1 – Flood Impact
- Section 3: Addressing Key Assessment Issue 3 – Hazard categorisations
- Section 4: Addressing Key Assessment Issue 4 – Flood Risk to Pedestrians

Key Assessment Issue from CPHR	Flood Response Statement from GRC
1. Flood Impact	Discussed in Section 2 below.
2. Velocity Increase	Addressed through the formal response to submissions
3. Hazard Categorisation	Discussed in Section 3 below.
4. Flood Risk to Pedestrians	Discussed in Section 4 below.
5. Potential flood impacts to the basement	Addressed through the formal response to submissions
6. Emergency Management	Addressed through the formal response to submissions

7. Water Sensitive Urban Design (WSUD)	Addressed by others during the formal response to submissions
8. Biodiversity Development Assessment Report (BDAR) waiver	Addressed by others during the formal response to submissions

Section 1: Additional Items for Context

1.1 Low Flood Risk for the Site

1.1.1 Small Upstream Catchments

The site lies near the top of the eastern border of the Johnsons Creek catchment. See image 1 for the catchment boundary from the Johnsons Creek flood study (JCFS Figure 9) and the topography (JCFS Figure 2). We would estimate the total catchment draining towards the site down Parramatta Rd is approximately 2.9ha, whilst conservatively the contribution down Science Rd is an additional 2.7ha at most.

Image 1: Figure 9 from Johnstons Creek Flood Study titled "Hydrological sub catchments – Johnstons Creek". Orange dot added to indicate the location of the site.

Image 2: Approximate catchment areas (red lines) approaching the site from Parramatta Rd and Science Rd. Orange dot added to indicate the location of the site.

1.1.2 Locations of the Flow Paths

Both the Johnson Creek Flood Study, and the subsequent Floodplain Risk Management Plan show that most of the site outside of the road corridors is not at risk of flooding in all events up to the PMF. The PMF depths for Johnson Creek Flood Study and the Floodplain Risk Management Plan are provided in

Images 3 and 4 which show no flow paths through the site and only indicate some floodwater at the south-west corner of the site due to rising floodwater in University Oval 2.

Image 3: Figure 19 from the Johnsons Creek Flood Study titled "Peak Flood Depth – PMF Event". Orange dot added to indicate the location of the site.

Image 4: Figure 12 from the Johnsons Creek Floodplain Risk Management Study titled "Peak Flood Depth – PMF Event". Orange dot added to indicate the location of the site.

The FIRA submitted by GRC Hydro is in agreement with the Johnstons Creek FS/FPRMS in that the overland flow paths are within the road corridors, and that the PMF is the only event to show floodwater on the site. See Image 5 for the FIRA PMF flood depths and level contours. The FIRA shows two locations though, unlike the FS/FPRMS

1) Due to rising floodwater in University Oval 2 the south-west corner of the site is inundated. The PMF reaches about 24.1 mAHD. This is in agreement with the FS/FPRMS.
2) Shallow floodwater (0.002m to 0.035m) on the south-east corner of the existing demountable building in the PMF.

The second location is associated with some shallow floodwater overtopping the kerb and causing some very shallow flow at the southern portion of the site before returning to Science Rd.

Based off these results we can show that:

- In all three studies no floodwater is flowing through the site from Parramatta Rd in all events
- Some very shallow floodwater (<0.035m) at the southern end of the building in the PMF.

Neither of these indicate flood risk to the site. It should be noted that the proposed building does not change the risk of inundation from Parramatta Rd and is located outside of the PMF extent as shown in Image 6.

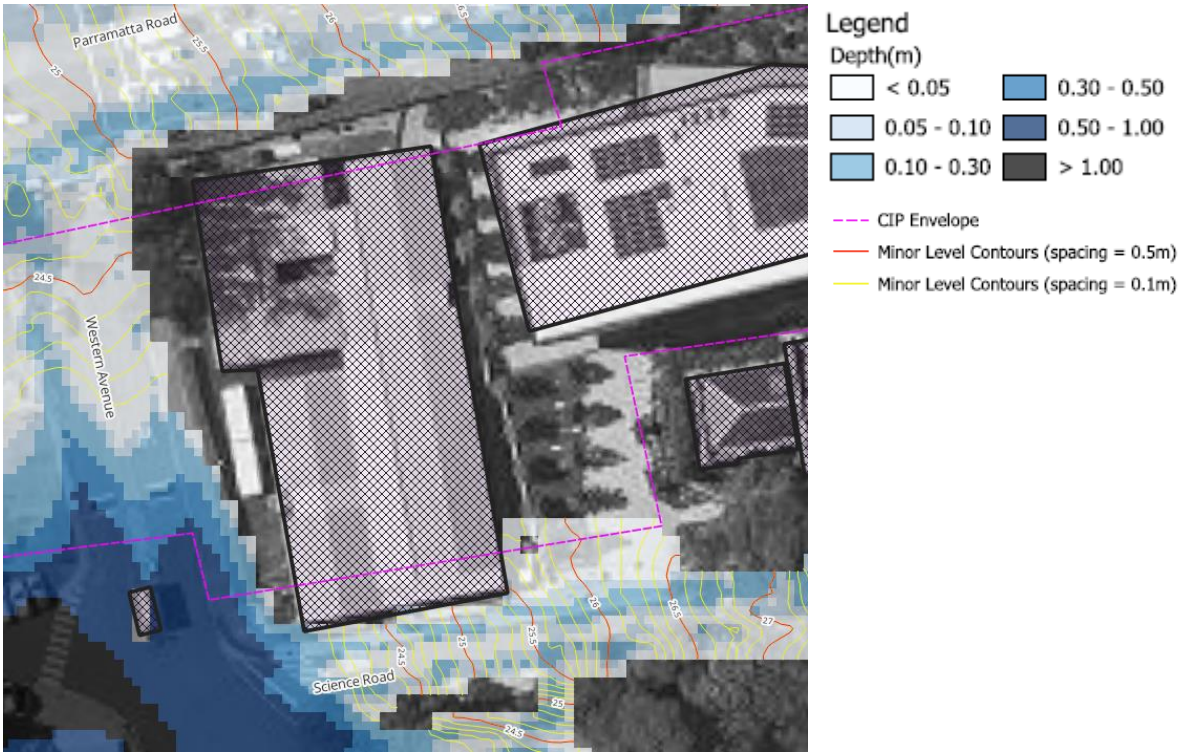


Image 5: Figure A04 titled "Existing Conditions – PMF event, depths and levels" from the FIRA (buildings are hashed in purple with black outlines)

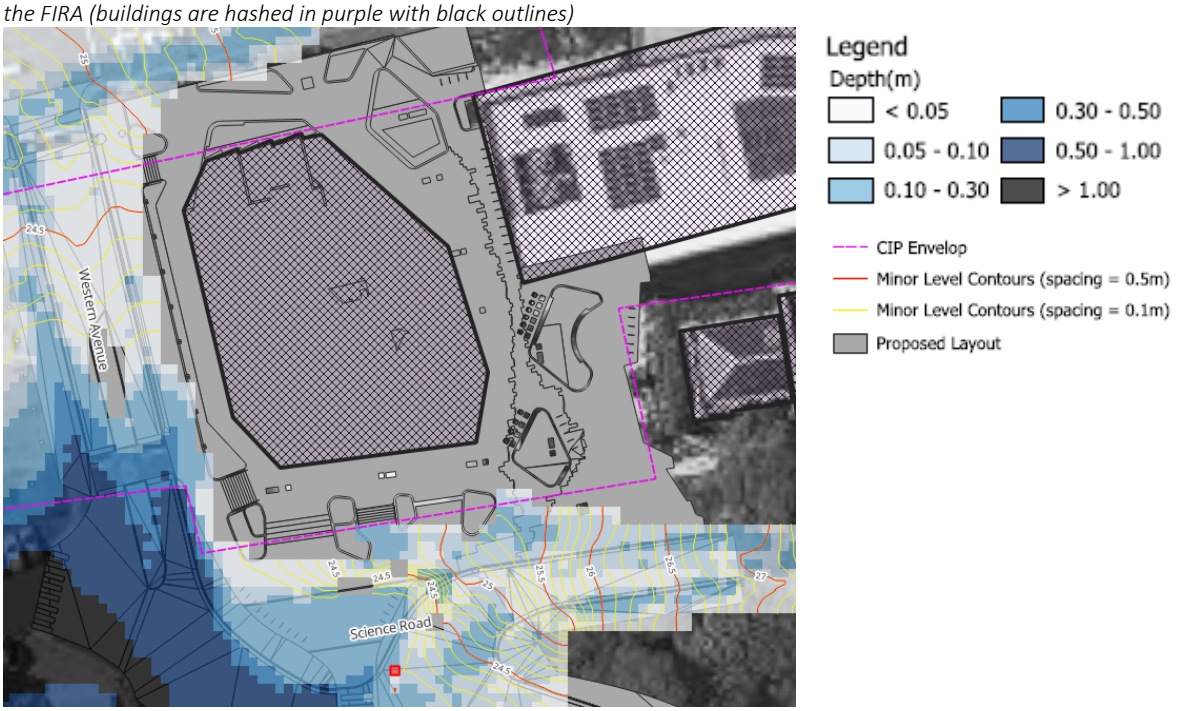


Image 6: Figure B04 titled "Proposed Conditions – PMF event, depths and levels" from the FIRA (buildings are hashed in purple with black outlines)

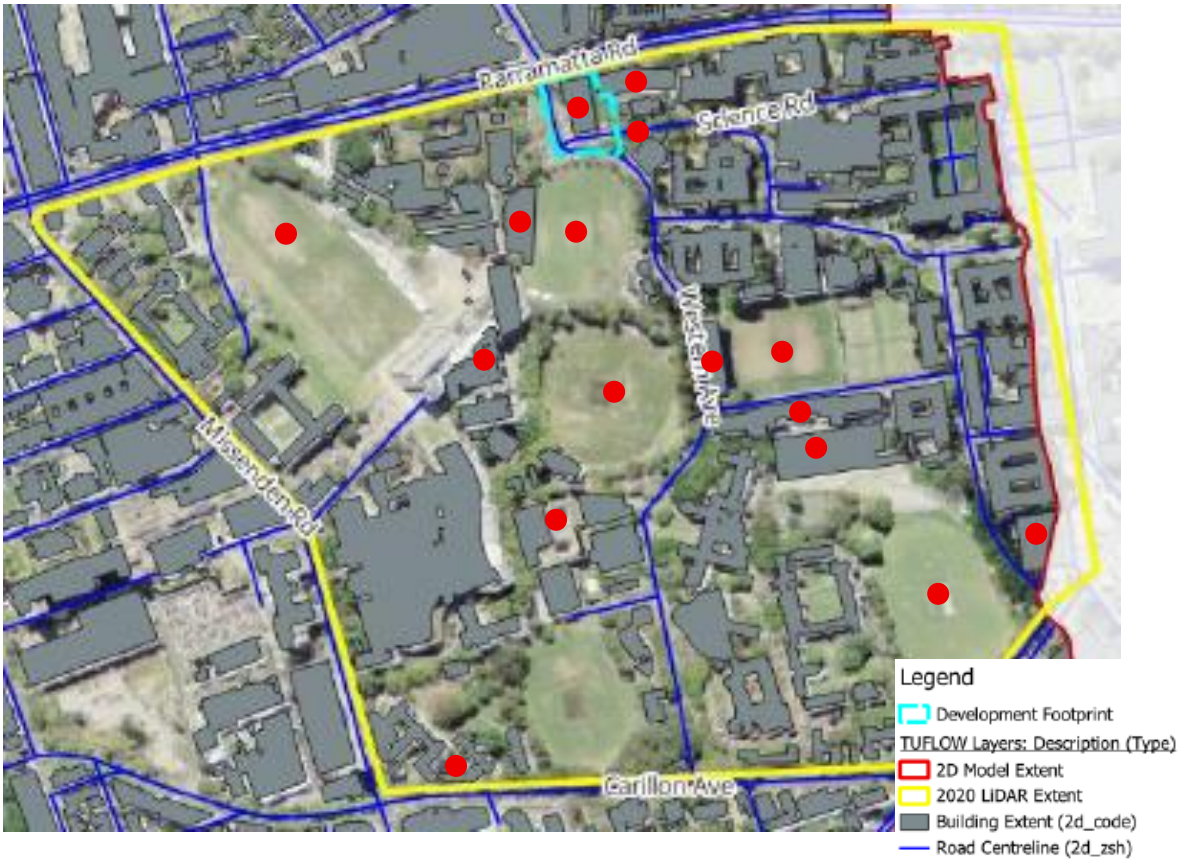
Section 2: Key Assessment Issue 1 – Flood Impact

Key Assessment Issue 1 – Flood Impact

CPHR Comment on FIRA (11/04/2025) from Attachment A in the "Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)"
CPHR Comment April 2025 The FIRA's cumulative impact assessment considers the proposed development and the approved Science Road stormwater upgrade works undertaken as part of the University of Sydney Campus Improvement Works (SSD-6123). However, it does not provide a cumulative impact assessment for all recent developments across the subject site, only projects from 2015-16. For example, the upgrade to the adjacent University Oval 2 was underway in January 2025, does not appear to be included in the model. The FIRA has not assessed the impacts of this proposed development in isolation, making it difficult to understand the potential change in flood risk. The FIRA interprets the existing demountable buildings on the subject site as a blocked building footprint in the model, preventing floodwater from passing across the subject site. However, these buildings are located on elevated piers over an old car parking area. CPHR highlights that while blocking building footprints is a practice in large scale studies, it can overestimate flood hazards on roads, miss existing flow paths and underestimate the impacts of changes in flood behaviour for new developments, particularly those designed to be above the flood planning level, and exclude water. Recommended actions: 1. Provide a map showing all the changes made to the flood model since the Johnstons Creek Flood Study. 2. Include the latest works at University Oval 2 in the flood model. 3. Provide flood risk impact mapping for the change in risk from the development, using the Science Road works and all other prior developments as the base case. This should be in addition to the mapping that considers both the proposed development and Science Road works. 4. Remove the blocked footprint of the demountable buildings from the base case flood data model to accurately represent flow paths and impacts. 5. Compare the cumulative impacts of development to the base case Johnstons Creek Flood Study data model including the demountable buildings correction.
Response to Submission (GRC Hydro, 07/07/2025)
CPHR comment is in italics *black*, GRC reply in blue *Recommendation 1: Provide a map showing all the changes made to the flood model since the Johnstons Creek Flood Study.* From the FIRA (Section 2, Page 5) the list of updates to create 'Existing Conditions', or the baseline conditions for the FIRA, includes the following items, several which were completed post 2016. • The Charles Perkins Building (development finished 2013) • The Nanoscience Building (development finished 2014/2015) • The Susan Wakil Health Building (development finished 2022) • The Michael Spence Building, • The Physics Road Learning Hub, • Updates to St Pauls Oval, • Updates to St John's Oval, • Additions to St John's College and nearby carpark, • The Demountable Village, • The new Social Sciences Building, • The grandstand in University Oval 2 and associated upgrades, and, • Various updates to Hockey Square and University Oval 1.

Section 2.1 provides several notes regarding how these updates were included, including using the most recent LiDAR which is from 2020 (Page 7), including survey (Page 7), updating building polygons based on aerial imagery (Page 7), the stormwater upgrade in Science Rd which was completed 2016 (Pages 7 and 8).

A markup on Image 3 from the FIRA is provided below which notes the locations with changes since the Johnstons Creek Flood Study as red dots and the yellow border is the extent of the LiDAR used.



Recommendation 2: Include the latest works at University Oval 2 in the flood model

There are no works at University Oval 2 to include beyond those already included in the flood model which includes the grandstand upgrade and formalisation of University Oval 2 as a floodwater basin which were completed between 2016 and 2023. Our and USYD's understanding is that there is maintenance occurring at University Oval 2 in 2025, but no works that require including in the flood model.

Flood levels in University Oval 2 are given in Table 6 (FIRA page 12) or Table 8 (FIRA page 16) from the FIRA which give flood levels for floodwater in University Oval 2 for Existing Conditions and Proposed Conditions respectfully. Table 6 from the FIRA has been copied below for reference. University Oval 2 is ID H08 on the tables, which has the PMF level at 24.04 mAHD. The proposed floor level of the A01 Ross St Teaching and Learning Hub is 25.5 mAHD. This shows there is little risk from rising floodwater for the site. It would take significant works at University Oval 2 to create a risk of rising floodwater from the oval impacting the proposed building, and that such works would not be implemented due to the degree of required impact to surrounding areas.

Given the lack of works at University Oval 2 and the insignificant impact of these on the FIRA, there is no need to further update the flood model with the maintenance works in University Oval 2 and the flood model has been updated sufficiently to give baseline conditions representative of 2023/2024 for the FIRA.

Table 6: Water levels at key locations for Existing Conditions

ID	Location	Water Level (m AHD)			
		20% AEP	1% AEP	0.2% AEP	PMF
Locations near the Site					
H01	Parramatta Rd – East of the Site	27.11	27.15	27.16	27.17
H02	Junction of Parramatta Rd and Western Ave	24.71	24.75	24.76	24.79
H03	Science Rd – East of the Site	28.04	28.09	28.12	28.15
H04	Junction of Science Rd and Western Ave (before deviation of Science Rd)	23.32	23.33	23.35	24.03
H05	Junction of Science Rd and Western Ave (when Science Rd has been deviated)	24.16	24.19	24.19	24.21
H06	Outside J.D. Stewart Building	23.18	23.22	23.24	24.03
H07	Near Grandstand	22.90	22.93	22.95	23.64
H08	University Oval 2	22.85	23.02	23.13	24.04
Locations in the greater Johnsons Creek catchment					
H09	Parramatta Rd - Sag Point	19.86	20.10	20.25	21.11
H10	Larkin St	11.17	12.29	13.07	16.47

Recommendation 3: Provide flood risk impact mapping for the change in risk from the development, using the Science Road works and all other prior developments as the base case. This should be in addition to the mapping that considers both the proposed development and Science Road works.

For context the University Campus upgrade work in Science Rd was originally within the scope of the FIRA but was taken out mid-2024 for reasons unrelated to flooding. We considered it as unnecessary to repeat the flood modelling given the low flood liability of the site and the minor impact that the road realignment has on flood behaviour.

This impact of the University Campus upgrade work in Science Rd was considered minor given:

- Floodwater will still be conveyed to Western Ave, which will then flow into the University Oval 2 detention basin or continue west to the ponding area in the JD Stewart Building carpark as per existing flood behaviour.
- They do not change the existing flood mitigation measures in the area which are (1) the flood stormwater system located east of the site in Science Rd, (2) the footpath surrounding University Oval 2 in Western Ave which controls how much floodwater overtops and (3) the University Oval 2 detention basin.

- The road realignment proposed does not involve any changes that would increase the amount of rainfall runoff in the area.
- The proposed works don't add or remove any flood storage.

And the cumulative impact of both the University Campus upgrade work in Science Rd and the proposed development are very low flood risk as shown in the FIRA. As a reminder:

- All impacts are local and located either within Science Rd or University Oval 2
- As per the Campus Improvement Program, the university campus is considered as a single entity when assessing offsite impacts.
- No offsite impacts, with all impacts within the university campus.

Given the above, repeating the flood modelling with the University Campus upgrade work in Science Rd in the Existing Conditions, rather than Proposed Conditions, won't make any difference to the flood risk assessment in the FIRA.

Recommendation 4: Remove the blocked footprint of the demountable buildings from the base case flood data model to accurately represent flow paths and impacts.

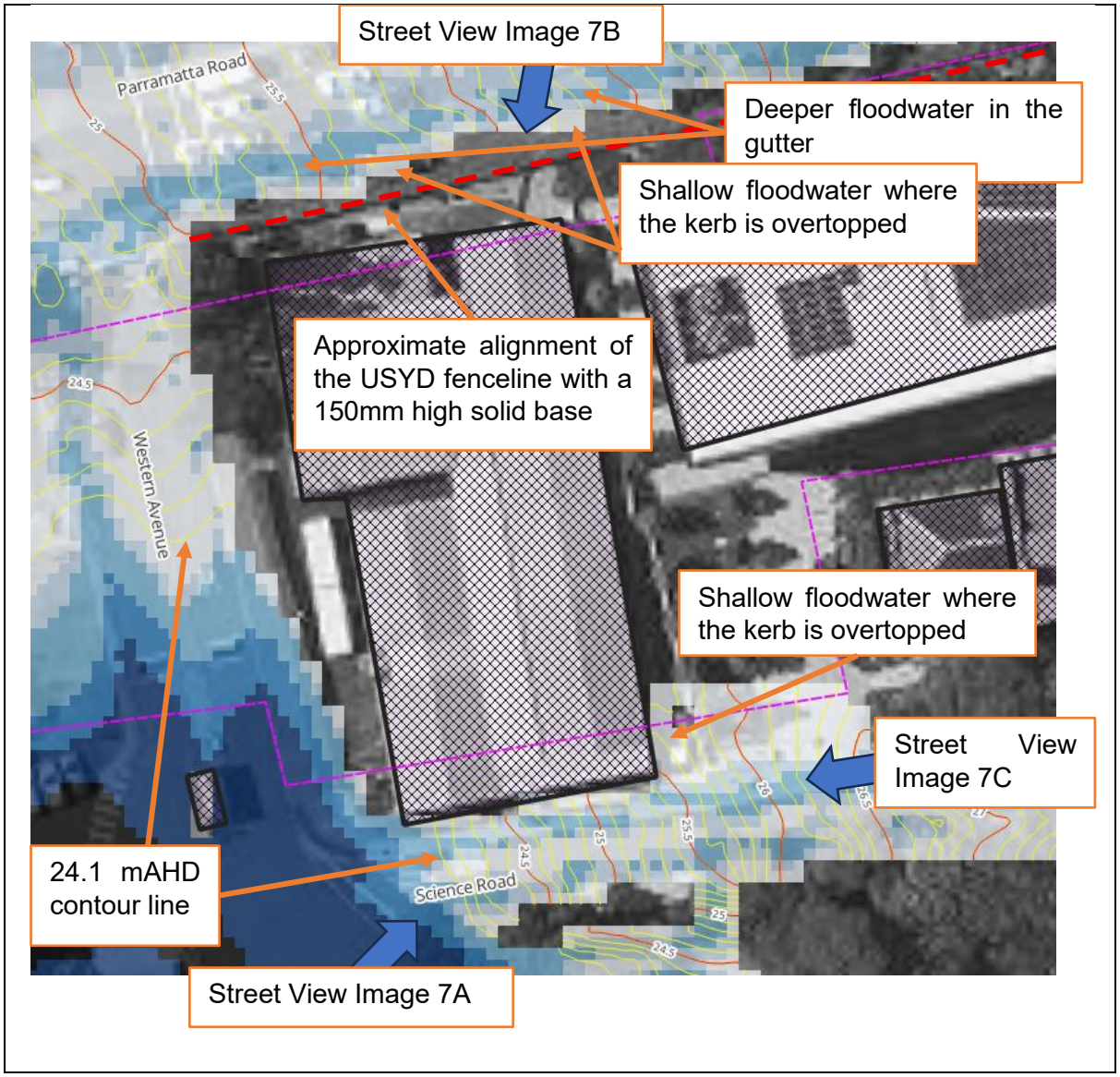
We can confirm the building has been represented as a blocked footprint. However, as noted in Section 1 of this Flood Response Statement, there are no flow paths through the site from Parramatta Rd. The only flow path that maybe blocked by the building footprint is shallow flow overtopping the kerb in Science Rd. The only instance of this potentially occurring is in the PMF with depths < 0.035m inundating the south-eastern corner of the building before returning to Science Rd. If this shallow floodwater is creating a flow path through the southern portion of the building it will be shallower than this and as the site slopes in a south-west direction it would also flow in a similar direction.

Some images from street view and the site visit are provided below for further context which show:

- The USYD fenceline has a solid base at 0.15m above the footpath which removes any risk of floodwater from Parramatta Rd creating a flow path through the site given the floodwater depths on the footpath are less than 0.05m.
- The base of the demountable village is surrounded by wooden paling set quite close together. Any change to the building representation is going to make very little difference as the blockage factor would be very high (in the order of 90% or more).

As there is no flow path to change the representation for, the only other reason we would change to would be to account for flood storage. However, the only rising floodwater that reaches the site is in the PMF which only inundates the south-west corner of the site. The building representation would not be impacting the flood storage sufficiently to warrant a change.

Given the above, along with the low flood liability of the site, there is no reason to repeat the flood modelling with a changed building footprint.


Street View Image 7B
Deeper floodwater in the gutter
Shallow floodwater where the kerb is overtopped
Approximate alignment of the USYD fenceline with a 150mm high solid base
Shallow floodwater where the kerb is overtopped
Street View Image 7C
24.1 mAHD contour line
Street View Image 7A
Parramatta Road
Western Avenue
Science Road

Demountable Village
Demountable village ramp and stairwell extending into the pedestrian walkway
Image 7A – Looking east up Science Rd
GRC Hydro Site Visit – Oct 2023
Demountable Village
Image 7B – Looking south from Parramatta Rd
Fenceline has a 150mm lip running along Parramatta Rd
Street View Image – Sep 2023
Demountable Village
Image 7C – Looking west down Science Rd
Close palings limit permutation by floodwater under the buildings
Demountable village ramps extending into the pedestrian walkway
PMF floodwater less than 0.035m inundating this area
Street View Image – Dec 2018

Recommendation 5: Compare the cumulative impacts of development to the base case Johnstons Creek Flood Study data model including the demountable buildings correction.

The purpose of the FIRA is to assess the impact of the development against existing conditions in order to assess the potential risk the site's proposed development poses on flooding for the site and the surrounding community. A comparison between Proposed Conditions with the development to the Johnstons Creek Flood Study does not achieve this as the flood study is from 2015. To properly understand existing flood behaviour the updates noted in the FIRA were made to represent 2023/2024 site conditions to use as the base case.

The cumulative assessment of development within the university campus to the Johnstons Creek Flood Study was completed in the University of Sydney Camperdown Campus – Stormwater Concept Design Report (Warren Smith & Partners, Dec 2015) and the "University of Sydney Camperdown Campus Flood Mitigation Master Plan – Final Report" (WMA Water, October 2015) as part of the USYD Campus Improvement Program which was approved in SSD-6123.

As noted in our reply to Recommendation 4, there is no benefit to repeating the flood modelling for the 'demountable buildings correction'.

Section 3: Key Assessment Issue 3 – Hazard categorisation

Key Assessment Issue 3 – Hazard categorisation
CPHR Comment on FIRA (11/04/2025) from Attachment A in the "Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)"
CPHR observed that under existing conditions, Science Road is categorised as H5 and H6. A comparison of the FIRA's hazard figures pre- to post-development indicates that previously spread-out high hazard areas on Science Road have become more concentrated and potentially increase overall across all flood events. Although the maximum hazard category remains unchanged, any increase in depth or velocity is not desirable and efforts have not been made to mitigate these impacts. H5 and H6 hazard categorisations are dangerous for people, vehicles and buildings. While these impacts are confined within the subject site, they would impact existing facilities and roads within the University Campus. The full extent of increase in depth and velocity should be provided, along with modelling of a more frequent flood event to determine if more frequent events result in a change in hazard category. Recommended actions: 7. Discuss the concentration of high hazard flows on Science Road and evaluate additional impacts of the development on this change. 8. Include the full extent of increase in depth and velocity within the subject site. 9. Model more frequent flood events in accordance with the requirements of the LU01 Guideline. 10. Include proposed stormwater drainage in the flood model. 11. Provide mitigation measures to demonstrate that changes in flood behaviour are addressed.
Response to Submission (GRC Hydro, 07/07/2025)
CPHR comment is in italics *black*, GRC reply in blue *Recommendation 7: Discuss the concentration of high hazard flows on Science Road and evaluate additional impacts of the development on this change.* For context the 1% AEP Hazards for Existing Conditions and Post Development Conditions are provided in the images below. Note that the default flood modelling outputs report the highest hazard in a cell, so the hazards being shown are in the gutter and are not necessarily of a 2m width in Science Rd. CPHR are correct in their observation that the hazards are being concentrated at the end of the realignment of Science Rd and that along Science Rd hazards have shifted from the northern gutter of the road towards the southern gutter. With the velocities having to change from a strictly westerly direction, towards the south it means floodwater is concentrating on the western gutter of this realignment rather than being spread between two gutters. The H5 hazards at the end of the road realignment are due to velocities reaching just over 2m/s whilst the depths are less than 0.1m (for the 1% AEP), indicating shallow flow crossing from the eastern gutter to the west gutter. Similarly, depths are less than 0.12m for the 0.2% AEP in the H5 hazard at the end of Science Rd. There aren't additional impacts on the development due to this change, it is a local change and may influence the road design during the University Campus upgrade work in Science Rd, but that isn't within the scope of the FIRA. As noted earlier the road realignment is part of the University Campus upgrade work in Science Rd and not within the scope of the FIRA.

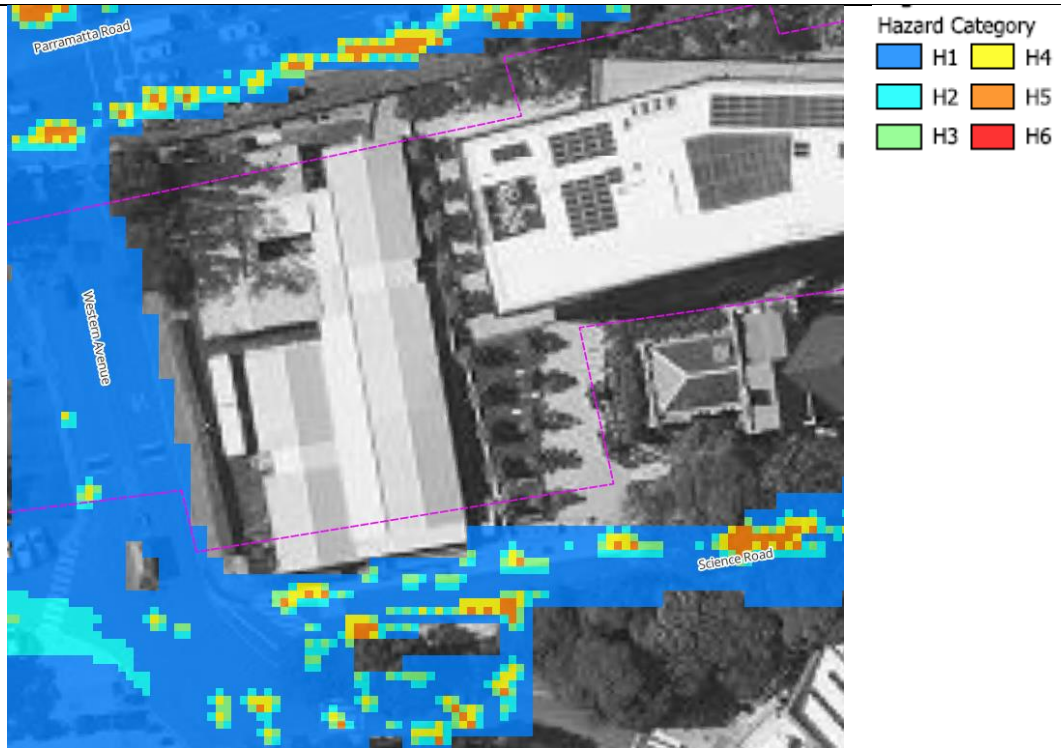


Image: Figure A10 titled "Existing Conditions – 1% AEP event, hazards" from the FIRA

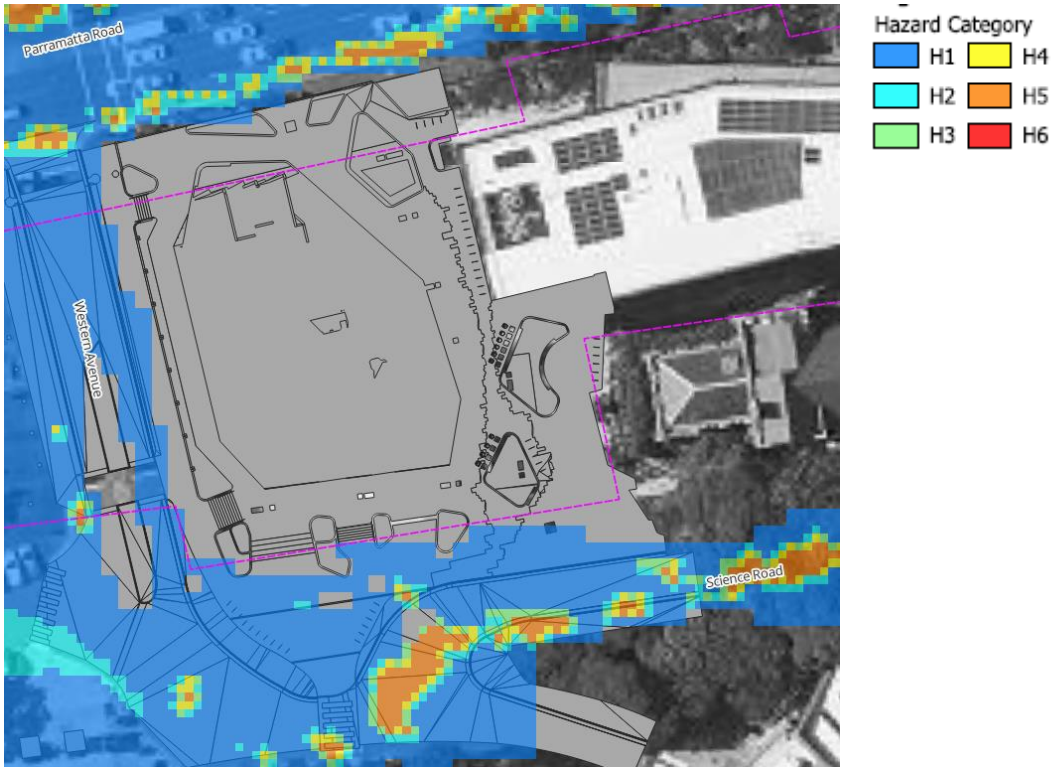


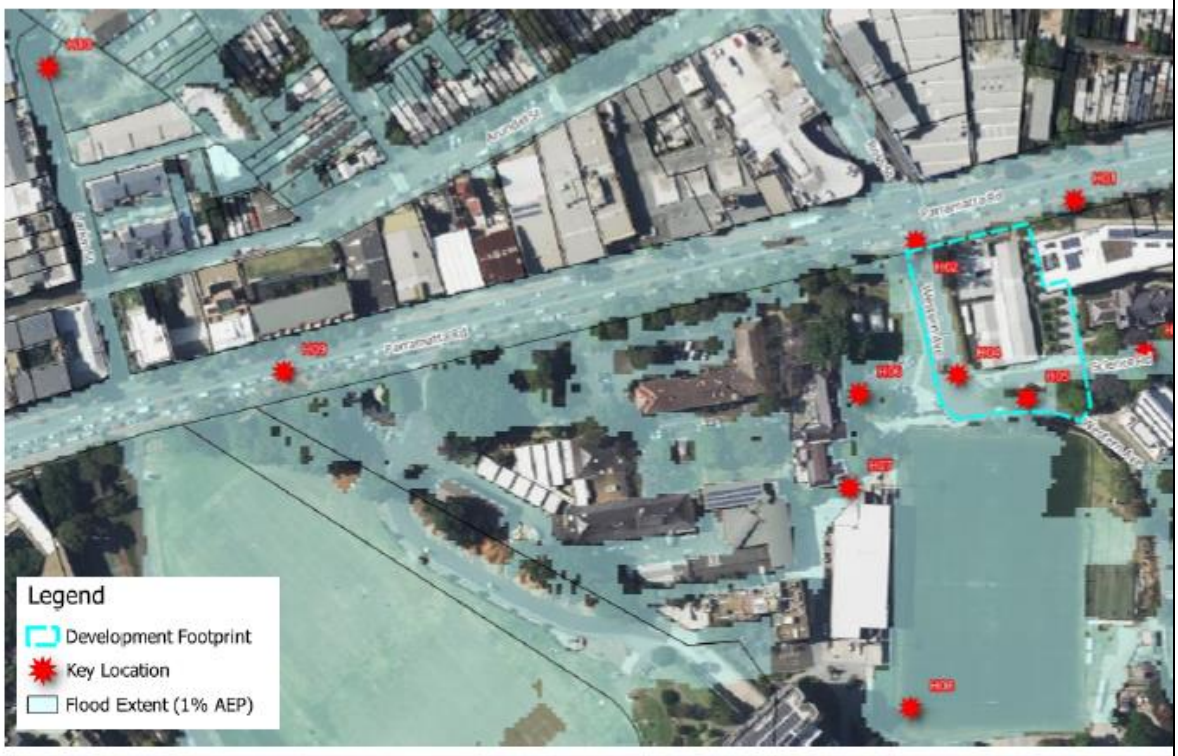
Image: Figure B10 titled "Proposed Conditions – 1% AEP event, hazards" from the FIRA

Recommendation 8: Include the full extent of increase in depth and velocity within the subject site.

Velocity and level impact maps have been provided in excess of the LU01 recommendations with maps for the 20% AEP, 1% AEP, 0.2% AEP and PMF. The impacts don't extend beyond the mapped areas and as reported are all local impacts around Science Rd and University Oval 2, except for some minor benefits for offsite flows at the USYD campus outlet at Parramatta Rd near Larkin St.

As noted in the FIRA these are the flood recording locations with tabulated levels:

Image 6: Key locations for recording water level



And these are the flow recording locations reported in the FIRA:

Image 7: Key locations for recording flow

Recommendation 9: Model more frequent flood events in accordance with the requirements of the LU01 Guideline.

The FIRA already provides a more frequent flood event than recommended in the LU01 Guidelines. The LU01 Guidelines recommend the 10% AEP to the PMF as the full range of events (Section 2.3 and Appendix A Table 6). The FIRA provides the 20% AEP to the PMF.

In excess of the LU01 Guidelines we have provided impact mapping for the 20% AEP as well, and as noted above, the mapping extends to include all the areas impacted.

Notably in the 20% AEP hazards are mostly H1 with some scattered small locations in the gutters which can exceed this.

Recommendation 10: Include proposed stormwater drainage in the flood model.

The proposed stormwater site drainage is not included by design. As noted above there are not any flowpaths through the site in the flood model. And the assumption is that we assumed ALL rainfall in excess of the site's infiltration capacity is conveyed as overland flow to Science Rd. This is a very conservative assumption that there will be overland flow in excess of what might be managed by the site's stormwater drainage in flood events.

Changes to the infiltration capacity are noted in Table 5, Page 10 with the changes to impervious and pervious percentages which note an increase in Impervious surfaces of 6% to 7%.

Again, referring to Section 1 on the flood risk of the site, detailed pipes for proposed conditions are not going to change the outcomes of the FIRA showing low flood risk due to the proposed development.

Recommendation 11: Provide mitigation measures to demonstrate that changes in flood behaviour are addressed

As noted in the FIRA, there are no changes in flood behaviour to mitigate. Any impacts are local and concentrated on the site, Science Rd, or University Oval 2 which are all within the USYD Campus which is considered as single entity when assessing the need to mitigate impacts within the scope of the Campus Improvement Program. No comments from City of Sydney Council were received indicating any issues with the flooding impacts reported within the FIRA.

The only change in flood behaviour is that more floodwater from Science Rd is being directed towards the detention basin at University Oval 2. This change is within the road corridor and causes very shallow, but high velocity, floodwater to cross the road at the Science Rd realignment with no impacts beyond this.

As noted earlier the road realignment is part of the University Campus upgrade work in Science Rd and not within the scope of the FIRA.

Section 4: Key Assessment Issue 4 – Flood risk to pedestrians

Key Assessment Issue 4 – Flood risk to pedestrians
CPHR Comment on FIRA (11/04/2025) from Attachment A in the "Environmental Impact Statement – Ross Street Teaching and Learning Hub (SSD-57838709)"
The proposed development includes increased pedestrian access along Science Road, where new areas of high hazard flooding are observed. CPHR requests further detailed consideration to address flood risk to pedestrians along Science Road. Recommended action: 12. Address flood risk to pedestrians on Science Road.
Response to Submission (GRC Hydro, 07/07/2025)
CPHR comment is in italics *black*, GRC reply in blue *Recommendation 12: Address flood risk to pedestrians on Science Road.* As noted in our replies to Recommendations 7 and 11 for Issue 3, the high hazard flooding is high velocity floodwater within the gutter of Science Rd. As a reminder the flood modelling will report the highest hazard within a cell and apply that to the entire cell. This means the kerbs will show these areas as high hazards. The exception of hazards in the gutter is at the end of Science Rd after the realignment where shallow (<0.1m deep in the 1% AEP) but high velocity (Approx. 2m/s) floodwater crosses the road from the eastern gutter to the western gutter. This isn't a flood risk of any magnitude given: a) Pedestrians typically use the footpaths and avoid walking in the gutters. b) There are pedestrian crossings located in Science Rd and Western Ave which don't have high hazard floodwater crossing them except within the gutters (the PMF being an exception). c) Pedestrians typically shelter during a flood event. The results presented in the FIRA are during the peak of the storm. d) As per (a) pedestrians are very unlikely to use the steep part of the road where Science Rd has been realigned to cross Science Rd or Western Ave. Given the above there isn't an increase of flood risk to pedestrians on Science Rd. The existing risk of injury should a pedestrian step into the high velocity floodwater in the gutter, in the middle of a flood event in excess of the 20% AEP remains, however the shallow floodwater in the gutter is unlikely to create a situation where a pedestrian is swept away to endanger their life and this very specific situation does not warrant a specialised flood mitigation measure to be designed and implemented as part of the proposed works. As noted earlier the road realignment is part of the University Campus upgrade work in Science Rd and not within the scope of the FIRA.

Conclusion

This Flood Response Statement has been submitted to CPHR to provide additional context and information regarding three of the Key Assessment Issues received in their comments on the SSD for the proposed A01 Ross St Teaching and Learning Hub. These issues were regarding the CPHR responses to Flood Impacts, Hazard categorisation, and Flood Risk to pedestrians.

We hope both the FIRA and the additional information provided above demonstrates that the proposed A01 Ross St Teaching and Learning Hub is low flood risk and that provision of this document prior to the Response to Submissions will satisfy the information request so that there are no additional delays to the project.

Yours Sincerely

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