



Thursday, 27 February 2020

Stuart Ratcliff Executive Assessment Officer Ku-ring-gai Council 818 Pacific Highway, Gordon, NSW 2072 *sratcliff@kmc.nsw.gov.au*

Copied to: Ms. Kim Holt, The Secretariat; Panel Chair, The Honourable Peter Debnam, Sydney North Planning Panel kim.holt@planning.nsw.gov.au

Dear Mr Ratcliff,

RE: Response to Assessment Report Ppty: Roseville Memorial Club – DA0134/18 | PPS-2018SNH040

Thank you for the opportunity to provide this response to the Assessment Report dated 4 February 2020 as prepared by Ku-ring-gai Council.

Roseville Memorial Club (The Club) has been working with its partner Hyecorp Property Group in our redevelopment for over four years to help us achieve a brand new, sustainable vision of a community facility. Our goal is to ensure the short, medium and long-term survival of the Club and prevent its closure, which would bring to an abrupt end its pivotal role in the Roseville community, spanning over seven decades.

Roseville Memorial Club has been serving the community since 1947 and has been the home of the Roseville subbranch of the RSL. It has been not only a place for social interaction for the local community but also home to many community-based and non-profit organisations. Additionally, the Club has been responsible for honouring and respecting the RSL calendar, holding various commemorative events throughout the year most notably, the Club is home to ANZAC Day remembrance ceremonies which are attended by several thousand members of the local community.

Like all Clubs, over the years, as one generation has handed the baton to the next and as demographics have evolved, we have experienced a dwindling patronage and a change in the expectations of our members, guests and wider community. As such, together, Roseville Memorial Club and Hyecorp embarked on the journey to save the Club and ensure its survival for future generations. The Club decided not to give up and 'sell the farm' but instead to undertake the daunting process of creating a new Club. After much deliberation, a Development Application was submitted in April 2018 – twenty-two (22) months ago.

Today, twenty-two months later, the Club is in a substantially worse situation. Income and patronage continues to decline, key staff have resigned due to job insecurity, maintenance bills are exponentially increasing, long term patrons and enjoyers of the Club have moved their events to alternative venues due to uncertainty, the list goes on. Meanwhile, the Directors of the Club, who serve voluntarily without pay, have persevered in their determination to save the Club.

During the twenty-two months since lodgement of the DA, despite dozens and dozens of requests to discuss the future of the Club in the Roseville community, we were only afforded **a sole (1) meeting** with the planning consultant and Council.

We are thankful, twenty-two months later, to finally have the opportunity to respond to the assessment report to the SNPP.

We thank you for your time in both reading this letter and also the following responses to issues raised in the assessment report.

Naturally, we urge the Panel to Approve the Application and save the Roseville Memorial Club.

Kind Regards,

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John Whitworth President Roseville Memorial Club



Stephen Abolakian Managing Director Hyecorp Property Group





Itemised Response to Planning Assessment Report dated 4 February 2020

The below is our response to the reasons for refusal presented from page 75 onwards of the assessment report.

At the outset, it should be noted that an overwhelming majority of the "reasons for refusal" in the assessment report relate to the sole issue of the addition of a 156.8m² strip of land at the rear of the current Club – the land is currently owned by Council and in the process of being divested (sold). These have been communicated to us as "the subdivision issue".

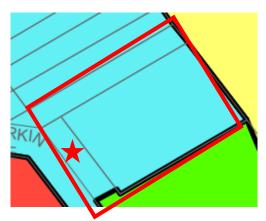
At the crux of it, the planning consultant has disagreed with Council's decision that the strip of land should be sold to the Club, despite the following:

- 1. Council has **classified the land as operational** (able to be sold) in their amendment of Schedule 4 of Ku-ring-gai LEP (Local Centres) 2012 (Amendment No. 4) dated 9 December 2016;
- 2. Council has **resolved to excise that strip of land** from its adjoining land holdings and **divest** of (sell) the strip in their Ordinary Meeting held 13 June 2017;
- 3. Council resolved to **enter into negotiations** with the Club, as the agreed natural purchaser on 9 April 2019;
- 4. Council, as land owner, has **provided land owners consent** to the Club and its permission for the Club to lodge the subject development application on 10 April 2018;
- 5. Council has negotiated the contracts and terms of sale referred to in point (3) above with the Club.

When development applications are determined, a consent authority is not permitted to have any regard to who the underlying land owner of a property subject to a development application is (*Jonah Pty Limited v Pittwater Council* [2006] NSWLEC 99 at [34]-[35]). In relation to DA0134/18, however, the sole meeting over 22 months we had with the planning consultant, was focused on this very issue. Additionally, the only two letters received from the consultant over the course of 22 months stated "*The subdivision element of the development proposal is not considered supportable...If the subdivision is not supportable then the broader built elements of the development, which rely upon that subdivision, have limited utility*". These words were repeated in each of the only two correspondences received over 22 months.

Points 1 + 2 of Assessment Report – Subdivision and Public Interest

- As stated above, Council has already 1) resolved to classify the strip of land as operational, 2) resolved to subdivide the strip, 3) resolved to sell the strip, 4) resolved to sell the strip to The Club, 5) provided Owners Consent to the Club to lodge the development application over the strip and 6) negotiated the terms of sale of the strip with the Club.
- The strip of land (marked * below) is zoned B2 Local Centre



- Our Development Proposal is to transform this current unmaintained strip of asphalt, into a safe, well presented pedestrian footpath and landscaped area.
- Currently, there is no safe connection linking the Memorial Park to the balance of Larkin Lane. Our proposal will create this safe link between the two and the Club, as the owner of the land, will maintain this area into perpetuity, taking a significant burden off the public.
- Additionally, the development application proposes any services and utilities required will be upgraded and provided along this strip with easements and positive covenants in favour of Council. These terms have been negotiated with Council and is a common, well recognised approach to the orderly development of land across the State.





- Easements and positive covenants resolve all genuine merit issues regarding the availability of public infrastructure. Infrastructure is 'public' if the community (via their local council) enjoy property rights over it. It does not matter that the registered Torrens title proprietor of the underlying land may not be the Council.

Attached in **Appendix 1** is a letter by Mills Oakley dated 16 September 2019 outlining the legal errors in the assessment approach and the incorrect classification of the strip as a "road".

Point 3 - Draft Planning Agreement

- The Draft Planning Agreement of December 2019 responds to the Council's unanimous resolution to classify the rear strip of land (Lot 2 in DP212148) as "operational" (sellable) in the public interest, as published as LEP amendment No. 4 on 9 December 2016. Through its acquisition, the Council receives multiple easements in its favour including full rights of footway and carriageway including its maintenance and insurance.
- Even if the Council does not proceed with the property disposal as currently proposed, there are no implications for the determination of the development application. The necessary right of way and positive covenant can be required by a condition of the development consent. The entry into the planning agreement, itself, is not necessary in order for the development consent to be favourably determined.
- To be clear, the granting of a development consent does not affect the proprietary rights of a third party such as the Council: *Rothwell Boys Pty Ltd v Coffs Harbour City Council* (2012) 186 LGERA 366 at [5]; *Sydney City Council v Ipoh Pty Ltd* [2006] NSWCA 300 at [84]).
- Ultimately, for the subdivision to be carried out, there will need to be an agreement between the Council and the Club as to the title of the consolidated lot. The likelihood of this agreement being reached and the potential terms of the agreement are legally irrelevant to the determination of the development application.
- In the Court of Appeal decision known as *lpoh* it was made clear (at [2]-[3]) that the question of whether a person can lawfully carry out development on land depends upon both (1) considerations associated with title to the land and (2) considerations associated with questions of environmental planning. The judgment said that the granting of development consent concerns (2) **but not (1**).
- In short, the consent authority should not consider whether the land, once consolidated, will be owned by the Club, the Council, by both (in some joint venture) or by a third party. Any easements and positive covenant favouring the Council will be sufficient to ensure that merit issues concerning the availability of public infrastructure are resolved. As stated above, these can be required by a development consent condition, independent of any planning agreement.

Point 4+5 – Subdivision and Setbacks

- The DCP does not require a setback to Larkin Lane.
- The underlying reasons for this omission are irrelevant since the consent authority cannot lawfully apply a more onerous standard than the one set out in the DCP. Updated plans were submitted to Council redesigning our proposed plans to provide a 6-metre setback to include a new kerb and gutter, safe footpath and landscaped area.
- The proposal is **consistent** with the DCP objective 1 of Section 3A.1 "to ensure consolidation and subdivision create usable and regularly shaped lots that relate to the site conditions and the context."
- The proposal is **consistent** with the DCP objective 2 for Section 3B Land Consolidation, which seeks to "...allow for development which is suited to the site, its context and strategic intent."
- The proposal will "square-off" the allotment, so it is a natural continuum northward from the park with the provision of planting and footpath.
- The proposal will create a landmark building which addresses the Memorial Square and Highway, **consistent** with objectives of this specific precinct (Section 14F.1 Roseville Local Centre Context Precinct R2 Planned Future Character and Built Form)

Point 6 – Height

- The balustrade does not exceed the 14.5m height control as suggested.
- Whilst elevation drawing DA202 creates a graphic impression that a section of the balustrade exceeds the height control, it is merely the drawing interpretation of an angled balustrade line parallel with Larkin Lane.
- Any doubt about this (in the mind of the consent authority) can be readily dealt with by a consent condition.







Blue line represents the two height planes that relate to the site being 14.5m and 20.5m

- Only the roof terrace and associated lift overrun, plant room and stairs exceed the 20.5m height limit. The lift and stairs provide equitable access to the communal open space and the roof terrace achieves high amenity.
- The structures are integrated and setback from the edges of the building with a garden wall reducing visual impact.
- A Clause 4.6 request has been submitted which demonstrates the proposal is in the public interest because it is consistent with the objectives of the standard and objectives of the zone and sufficient environmental planning grounds to justify the variation.
- The proposal steps down towards Larkin Lane at the rear and the northern adjoining developments, thus **complying** with the intent of the change in zoning and height controls whilst allowing a transition between the two.



Street view of the proposed development from the North-East with the future potential development to the north of the subject site

- In **Appendix 2** we have provided additional view angles prepared by PBD Architects identifying the appropriate design and low impact of the roof top terrace.

Point 7 – Floor Space Ratio (FSR)

- The Site Area calculation (and therefore the FSR calculation) in the Assessment report **omits** the strip of land at the rear of the site. The strip of land can legally be included in the calculation of FSR.
- The FSR of our proposal is fully compliant and below the maximum permissible gross floor area, should the sites be developed individually.
- Given that implementation of the development consent requires a new consolidated lot, it is actually the new proposed consolidated lot that should be used for the purposes of floor space ratio calculation. This is because the Land and Environment Court has determined that where the subdivision of land is proposed as part of the application and that subdivision is integral to the application the lot to be created by the subdivision should be regarded as the lot for the purpose of clause 4.5(3): *Matthew Lam v Inner West Council* [2017] NSWLEC 1332 at [66] and *Marrickville Development No.3 Pty Ltd v Inner West Council* [2019] NSWLEC 1132 at [29]-[31]. A similar approach has been taken in relation to the similar word 'allotment' in earlier provisions of environmental planning instruments (*Demihale Pty Ltd v Ku-ring-gai Municipal Council* [2002] NSWLEC 178 at [18]; cf *Issa v Burwood Council* (2005) 137 LGERA 221).
- In any event, even if the existing lots were used to calculate the floor space ratio, the outcome is the same. In *TK Commercial Property Holdings Pty Ltd v Canterbury-Bankstown Council* [2017] NSWLEC 144 the Land and Environment Court said that some excavation, the construction of a masonry stairway, the creation of new pathways and ramps and the construction of a new sewer main and new drainage infrastructure was sufficient to constitute 'significant development' and therefore justify the





inclusion of the lot in site area for the purposes of floor space ratio calculation (at [96]). The works proposed in the strip of land are generally of a similar order to those in *TK Commercial Property Holdings.*

Points 8 and 9 – Active Frontage

- The relevant clause of the DCP, Section B, Part 14F.9, 7(iii) specifies: "Provide active street frontages along the Pacific Highway and the frontage to Memorial Park."
- A revised Plan, prepared by PBD Architects can be found in **Appendix 3** which shows a total active street frontage in accordance with the DCP of 80% along Pacific Hwy and Memorial Park.
- In our proposal, the ground floor use, being a Club, actively opens onto the park and addresses the corner
 of the park and Pacific Highway. An outdoor terrace is provided in the southern corner overlooking the
 park and wrapping around to Larkin Lane.

Point 10 – Street Wall Requirement

- The images below show the future potential development which may occur to the north of the Site along Pacific Hwy. These images show the merit of the proposed design which, by flexibility of the street wall requirement of the DCP, has allowed a landmark building to be designed on the corner, providing an anchor role in accordance with the following clause 7 (vi) of the DCP '*Design a landmark corner building for the site adjoining Memorial Park*" that will transition to the neighbouring future development as well as Section 14F.9 Precinct R2 '*Roseville cinema and the RSL provide an anchor role*' (Additional 3D views can be seen in **Appendix 2**)





Shows the street wall height with the future potential development to the North

Further street views are prepared in Appendix 4.

Point 11 – Vegetation SEPP

- Extensive assessment and consideration of the trees in Roseville Memorial Park were undertaken by a qualified arborist consultant, Margot Blues, prior to and as part of the development application as well as during the development assessment process over the last twenty-two months since April 2018. This included extensive root mapping and detailed assessment of the potential pruning required, including the impact during scaffolding.
- The development in all accounts was found to be acceptable.





Point 12 – Remediation

- In February 2020, new information was provided by Council in relation to SEPP55, not previously disclosed at any time of the development assessment process. As a result, we have initiated a Stage 2 Detailed Site Investigation to assess the information now provided. These investigation results can be provided to the Panel once complete (in approximately four weeks).
- Prior to this, all records indicated that the Stage 1 report submitted with the development application was
 adequate and concluded the site was suitable for the intended use.

Point 13 – Floor-to-floor heights

- Confirmation by our consulting engineers that the minimum 2.7 metre ceiling height can be achieved with a 3040mm floor-to-floor level is provided in **Appendix 5**.

Point 14 - Unit 403 study

- This issue can be addressed by a condition requiring a minor amendment to the architectural plans to reflect the removal of the enclosed study wall. We would accept such a condition.
- A copy of the proposed redesign can be found **in Appendix 6**.

Point 15 – Balcony Glazing

 A condition can be imposed amending the balustrades on Levels 4 and 5 be fitted with a translucent film up to 760mm which provides privacy whilst not impacting on design nor views of the Memorial Park from inside the unit dwelling.

Point 16 – Subdivision

- Please refer to notes herein at Point 1.

Point 17 – Access and Car Parking

- The Assessment Report on Page 9, confirms the car parking provided is "*technically consistent with the requirements of Council's DCP*".
- This is confirmed by our traffic engineers in their traffic report submitted with the development application which provides for the reduction of the size of the proposed new club and therefore 'would not result in a significant change to existing parking demand'.
- Currently, the Club has no (zero) car parking on site. Although we are reducing the size of the Club, we have provided an additional five carspaces for the Club on site in the proposed development application.
- According to the Club's records, historically, the Club has made s94 contributions in lieu of car parking provisions onsite.

Point 18 – Public Interest

- The proposal does not cause any additional noise to the public, is not expected to result in unacceptable impacts to shadow, loss of privacy or loss of views, nor impact on heritage items and, most importantly, is permissible in the current zoning.
- A large number of the submissions provided to Council during the exhibition period of the Application were in **support** of the redevelopment from members of the public.
- Roseville Memorial Club is the only memorial club in Ku-ring-gai and hosts 1,000+ members of the public each Anzac Day.
- It is the current home of various public groups Chatswood Rotary, Roseville Toastmasters, North Shore Junior Cricket, Porsche Club, NSW Teachers Federation, Ferrari Club, American Civil War Group, Davidson Branch Liberal Party, Bradfield Branch Liberal Party;
- It currently sponsors public sports groups such as the Roseville Rugby Club, Roseville Cricket Club, Lindfield Rugby Club, Lindfield Cricket Club, & UTS Bats Cricket Club.
- It currently holds public charity fund raisers Paralympics, Trish Foundation, Bowel Cancer Australia & Prostate Cancer Foundation. The Club has in the past donated over \$200,000 to these public groups and charities.
- Consequently, all things considered, we believe this proposal is in the public interest.

Point 19 – Noise and Pollution

- The proposed design complies with acoustic requirements.
- The Assessment Report refers to the City of Sydney draft natural ventilation guide, however, this guide is not adopted in any form in the Ku-ring-gai DCP.
- Further, the ADG recognises at Section 4J that properties located near major roads require special design responses through guidelines (which are mandatory requirements) that, in this case, require mechanical ventilation to enable windows to be closed.
- The issues raised in the Assessment Report state this to be a reason for refusal, when in fact, it is a design requirement recommended in the Guideline and our proposal complies with these requirements.





Point 20 – Stormwater

For the avoidance of doubt, in Appendix 7, we have included updated Stormwater plans with additional information now notated on the plans.

Point 21 – Building Performance

- The proposed design complies with all BASIX requirements.
- We have engaged experts in BASIX and NatHERS assessment who have already addressed the implications for ceiling heights, open spaces and maximum building height within the development application and confirmed that the proposal complies with all requirements.
- We include an additional letter for clarification in Appendix 8. _

Point 22 - Dimensions

We have provided additional dimension measurements for ease of reference on our plans in Appendix 9

Appendix List

- Appendix 1 Letter from Mills Oakley
- Appendix 2 Building views
- Appendix 3 Active Street Frontage Appendix 4 Street Wall
- Appendix 5 Floor to Floor Engineers Letter
- Appendix 6 Unit 403
- Appendix 7 Stormwater
- Appendix 8 BASIX
- Appendix 9 Dimensions





Appendix 1 – Letter from Mills Oakley



16 September 2019

Privileged and confidential

Mills Oakley ABN: 51 493 069 734

Your ref: Our ref: AXGS/3316283

All correspondence to: PO Box H316 AUSTRALIA SQUARE NSW 1215

Partner Aaron Gadiel +61 2 8035 7858 Email: agadiel@millsoakley.com.au

Roseville Returned Servicemen's Memorial Club Limited t/a Roseville Memorial Club PO Box 779 ARTARMON NSW 1570

By email: stephen@hyecorp.com.au; sgunnis@pcg.com.au

Attention: Stephen Abolakian

Dear Stephen

Advice re 64-66 Pacific Hwy, development application DA0134/18

You have asked us to provide legal advice in relation to the above development application (the development application).

You have asked us to give our legal opinion in response to the position of Vince Hardy — the external town planner engaged by the Ku-ring-gai Council (the Council) — that the development application should not be approved. However, you only wish us to respond to one aspect of his view. That is, his view that the Council land should not be sold.

Summary advice

In our opinion:

- It is plain that the strip of Council land is not a 'park' nor functionally part of a park within the meaning of the Local Government Act 1993.
- The strip of Council land is not a 'park' (or part of a 'park) in any legal or substantive sense.
- The strip of Council land is not, in reality or in law, set aside for public use.
- The fact that both the *Ku-ring-gai Local Environmental Plan (Local Centres) 2012* and *Ku-ring-gai Local Centres Development Control Plan* recognises that the strip of Council land does not form part of the adjacent park is material to any decision made on this aspect of the development application.
- The proposal complies with the control set out in section 14F.3 of the DCP in relation to the provision of key community infrastructure. It is unlawful for a consent authority to require a more onerous standard with respect to an aspect of a development than those set out in a development control plan. Any attempt to refuse the development application based on section 14F.3 of the DCP must be unlawful.
- The controls in section 14F.4 of the DCP have nothing to say about the strip of Council land. There is
 no legal basis for the development application to be refused or conditioned as a consequence of
 section 14F.4 of the DCP ('setbacks').
- The development application is not seeking approval for any change in ownership for the Council strip
 of land. It is legally irrelevant as to who might own the consolidated site or the public footpath that is
 proposed to be located within the site.

- The development application cannot, on any reasonable basis, be refused or conditioned because the strip of Council land forms part of Larkin Lane. This is because no part of the strip of Council land does form part of Larkin Lane. The strip of Council land is, like other land, merely **adjacent** to Larkin Lane.
- The LEP plainly identifies that the land is not community land and is, in fact, operational land. This is reinforced by the zoning of the land (which is different from the zoning of balance of Lot 2). The relevant zone objectives do not envisage or facilitate any decision by a consent authority that would treat the strip of Council land differently from other land in the B2 Local Centre zone.

Background

We understand and assume the relevant facts to be as follows:

- You lodged the development application on 12 April 2018.
- The development application is for the following:

Demolish existing structures (including Roseville RSL Club and retail tenancy) and construct mixed-use building comprising new ground floor RSL Club, shop-top housing of 33 residential dwellings, basement parking and associated works

- The development application seeks approval for the 'Plan of consolidation of Lot 1 in DP202148, Lot 2 in DP505371 and Lot 3 in the proposed subdivision of Lot 2 in DP202148' prepared by Dane Joseph Preston and dated 7 April 2019.
- This plan will, if registered, result in:
 - two lots that are presently owned by you being amalgamated (the existing club land); and
 - the augmentation of those two lots with a further strip of land presently owned by the Council (the strip of Council land).
- The strip of Council land presently forms part of Lot 2 DP 202148 (Lot 2).
- You are seeking to acquire the strip of Council land and you are in the midst of negotiations with Council's property division. Your intention is to acquire the strip of Council land before the consolidation takes place.
- The consolidated site would then be developed under the intended development consent.
- The strip of Council land is currently asphalted and serves as a car park for your premises (under an arrangement you have with the Council). Its present appearance is the same or close to its appearance in October 2016 as shown by Google Street view below:



- The documents that accompany the development application include 'Table of compliance for 64-66 Pacific Highway, Roseville' prepared by City Plan Services (April 2018).
- The development application has been assessed by an external town planner, Mr Vince Hardy. Mr Hardy's current position is set out in his letter to the Council dated 12 September 2018.
- Mr Hardy says that:

The development relies upon a reconfiguration of the subject lands through the subdivision and consolidation of the relevant land parcels. However, this element of the development is problematic ...

Please tell us if any of the above facts are not correct, as it may change our advice.

Detailed advice

- 1. Whether the strip of Council land is a 'park'
 - 1.1 Mr Hardy says:

[T]he proposed subdivision would see the narrow section of Roseville **Park** that sits between Larkin Lane and the Club building (i.e. Part lot 2 DP 202148) consolidated with the larger club site (bold added).

1.2 Under the dictionary of the *Local Government Act* 1993 (the LG Act) a 'park' is defined as follows:

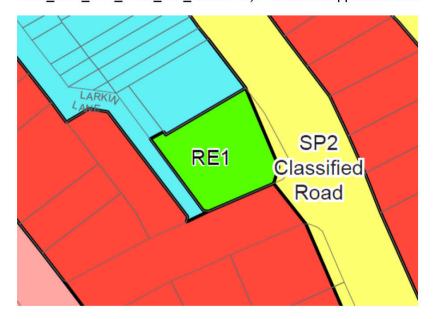
in relation to land, means an area of open space used for recreation, not being bushland.

- 1.3 In our view, it is plain that the strip of Council land is not a 'park' nor functionally part of a park within the meaning of the LG Act. The strip is being used a car park for private premises. It is covered with asphalt. It is obviously not practicable or safe for it to be used for recreation. This would be apparent to any reasonable member of the public.
- 1.4 The *Macquarie Dictionary* (online) says the ordinary English-language definition of the word 'park' is (relevantly) as follows:

an area of land within a town, set aside for public use, often landscaped with trees and gardens, and with recreational and other facilities: Hyde Park.

- 1.5 The strip of Council land is not, as matter of reality, set aside for public use. It is presently set aside for the use of your private premises.
- 1.6 As a matter of law, it is also not set aside for public use.

- 1.7 Lot 2 is identified in part 2 of schedule 4 of the *Ku-ring-gai Local Environmental Plan* (*Local Centres*) 2012 (the LEP) as 'operational land'.
- 1.8 This means that it is not 'community land' under the LG Act.
- 1.9 There is no requirement for the Council to:
 - (a) manage operational land under a plan of management; or
 - (b) retain operational land in public ownership.
- 1.10 This distinguishes it from community land. Local councils are obliged to retain community land in public ownership.
- 1.11 In short, in our view, the strip of Council land is not a 'park' (or part of a 'park) in any legal or substantive sense.
- 1.12 The status of the land is reinforced by its zoning. The relevant zoning map that forms part of the LEP is sheet LZN_015C (map identification number: 4500 CEN LZN 015C 005 20121112). An extract appears below:



- 1.13 The light blue shading over the strip of Council land zones that land as 'B2 Local Centre' (B2). The balance of Lot 2 is zoned 'RE1 Public Recreation' (RE1).
- 1.14 Furthermore the *Ku-ring-gai Local Centres Development Control Plan* (the DCP) is in force under the *Environmental Planning and Assessment Act* 1979 (the EP&A Act).
- 1.15 This is an extract from figure 14F.3-1 in the DCP showing the Council strip of land:



1.16 The legend for this figure identified the green shaded area as a

New or existing park...

- 1.17 It should be noted that all of Lot 2 other than the strip of Council land is identified as a 'new or existing park'.
- 1.18 The LEP is a mandatory relevant consideration in the determination of the development application (as per section 4.15(1)(a)(i) of the EP&A Act). Similarly, the DCP is a mandatory relevant consideration (as per section 4.15(1)(a)(iii) of the EP&A Act).
- 1.19 In our opinion the fact that both the LEP and the DCP recognises that the strip of Council land does not form part of the adjacent park is material to any decision made on this aspect of the development application.

2. DCP requirements

2.1 Mr Hardy says:

[The consolidation of the strip of Council land with the larger club site] would be inconsistent with Council's DCP ... as it would not allow the achievement of the following:

- Section 14F.3 Proposed community infrastructure requires a footpath to be provided on the eastern side of Larkin Lane Section.
- Section 14.5 Setbacks requires land dedication on the eastern side of Larkin Lane.

Section 14F.3 — key community infrastructure

2.2 The control set out in section 14F.3 of the DCP says:

All development within the Roseville local centre is to be designed to support the planned future character of the centre through the provision of Key Community Infrastructure as stated in the Ku-ring-gai Contributions Plan 2010 and outlined in **Figure 14F.3-1**. This is to be done through the Proposed Community Infrastructure requirements for each Precinct as stipulated in this DCP (bold added).

- 2.3 An extract from figure 14F.3-1 is reproduced in paragraph 1.15 above. It shows that portion of your site fronting the Pacific Highway is adjacent to a yellow strip. The yellow strip is identified by the legend to be 'footpath embellishment'.
- 2.4 The 'Table of compliance' that forms part of the development application says that the proposed development will provide the required footpath embellishment along the Pacific Highway.
- 2.5 The proposal therefore complies with the control set out in section 14F.3 of the DCP.
- 2.6 It is unlawful for a consent authority to require a more onerous standards with respect to an aspect of a development than those set out in a development control plan (section 4.15(3A) of the EP&A Act).
- 2.7 In our view, any attempt to refuse the development application based on section 14F.3 of the DCP must be unlawful, given that the application complies with the only control in section 14F.3.

Section 14F.4 — setbacks

- 2.8 Mr Hardy;s reference to section 14.5 of the DCP (titled 'setbacks') appears to be an erroneous reference to section 14.4. (Section 14.5 is titled 'built form'.)
- 2.9 There are two controls set out in section 14.4. The second control is specific to nominated addresses (and your site is not one of those addresses). The first control (control 1) says:

All development within the Roseville local centre, as outlined in **Figure 14F.4-1**, is to be designed to support and enhance the planned future character of the centre. This is to be done through the Setback requirements for each Precinct as stipulated in this DCP (bold added).

2.10 An extract from figure 14F.4-1 appears below:



2.11 The legend for the above figure is as follows:

- 2.12 It is plain that the strip of Council land is not subject to either a setback or any expectation of dedication.
- 2.13 In our opinion there is no legal basis for the development application to be refused or conditioned as a consequence of section 14F.4 of the DCP.

3. Transfer of ownership of public infrastructure

3.1 Mr Hardy says:

[T]he proposed subdivision and ultimate transfer of those [sic] land to the club would also result in existing public infrastructure, i.e. part of Larkin Lane inclusive of kerb and gutter, footpaths etc, being located within privately owned land.

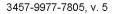
- 3.2 **Firstly**, the development application is not seeking approval for any change in ownership for the Council strip of land. It is legally irrelevant as to who might own the consolidated site. It is well-established in law that planning and development consents are concerned with the acts done or to be done and the use, not the identity of the actor or user (*Jonah Pty Limited v Pittwater Council* [2006] NSWLEC 99 at [34]).
- 3.3 Hence, in undertaking the merit determination of whether to grant a development consent, it is irrelevant to enquire as to who is the current landowner, or who might be the future landowner (*Jonah* at [35]).
- 3.4 The owner could be you, it could be the Council it could be some other entity, public or private. The ownership is irrelevant. A merit assessment should focus on the land use.
- 3.5 As we understand it the development application proposes the construction and maintenance of a public footpath on what is now the Council strip of land. (Public access would be ensured by an easement in gross benefiting the Council.)
- 3.6 The identity of the person who might own that public footpath is, by law, a legally irrelevant consideration. If the public footpath in itself (as a land use) is satisfactory, it will (in our opinion) be unlawful for the development application to be refused merely because the registered proprietor of the public footpath may be a private entity.
- 3.7 **Secondly**, no part of the strip of Council land forms part of Larkin Lane. Larkin Lake is the name of a public road. The strip of Council land is not part of any public road reserve. The strip of Council land is, like other land, merely adjacent to Larkin Lane.

- 3.8 The development application cannot, on any reasonable basis, be refused or conditioned because the strip of Council land forms part of Larkin Lane. This is because this is plainly not the case.
- 4. Whether the strip of Council land should be treated as if it were community land
 - 4.1 In our opinion the status of given land as 'community land' under the LG Act is a relevant consideration that may inform what type of development should be permitted on the land. In such instances, a consent authority may permit a narrower range of land uses to take place, irrespective of the land's underlying zoning.
 - 4.2 However, in the present case, the LEP plainly identifies that the land is not community land, and is, in fact, operational land (see paragraph 1.7). To the extent that the status of the land within the Council's portfolio is relevant, the LEP must be taken into consideration (section 4.15(1)(i) of the EP&A Act). That would weigh in favour of treating the land like any other land that is freely tradeable in the open marketplace.
 - 4.3 Furthermore, the zoning of the land under the LEP reinforces this (see paragraph 1.12). It is plain that the statutory planning intent for the Council strip of land is that it **not** be treated as if it were RE1 land. That is, the objectives of the RE1 zone (which, among other things, are to 'enable land to be used for public open space or recreational purposes') **do not apply** to the strip of Council land.
 - 4.4 The relevant objectives are the B2 zone objectives. They are as follows:
 - To provide a range of retail, business, entertainment and community uses that serve the needs of people who live in, work in and visit the local area.
 - To encourage employment opportunities in accessible locations.
 - To maximise public transport patronage and encourage walking and cycling.
 - To provide for residential housing close to public transport, services and employment opportunities.
 - To encourage mixed use buildings that effectively integrate suitable business, office, residential, retail and other development.
 - 4.5 The consent authority is required to have regard to these under clause 2.3(2) of the LEP.
 - 4.6 These objectives do not envisage or facilitate any decision by a consent authority that would treat the strip of Council land differently from other land in the B2 zone.

Please do not hesitate to contact me on (02) 8035 7858 if you would like to discuss this advice.

Yours sincerely

Aaron Gadiel Partner Accredited Specialist — Planning and Environment Law







Appendix 2 – Building views



01 STREET VIEW 1



03 STREET VIEW 3



02 STREET VIEW 2





SCALE:	DRAWING NO:
1:100 @ A1 / 1:200 @A3	DV205
PROJECT NO:	DAIUZ
1732	

STREET VIEWS 1

DRAWING TITLE:

ROSEVILLE (MIXED-USE DEVELOPMENT)

PROJECT: 64 - 66 PACIFIC HIGHWAY,

ABN 36 147 035 550 P - 02 9698 8140 E - Info@pbdarchitects.com.au W - www.pbdarchitects.com.au Level 2, 52 Albion Street, Surry Hills NSW 2010

ARCHITECT: **PBD** | ARCHITECTS

HYECORP PROPERTY GROUP

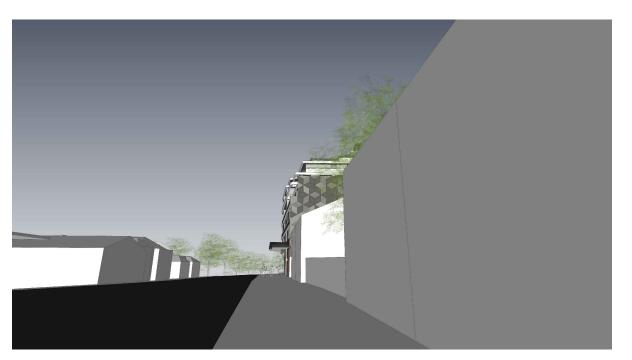


A 20.02.2020 SOFC ISSUE

LEGEN	D:
DL	PULL OUT CLOTHES DRYING LINE (TO FUTURE DETAIL)
HW	HIGHLIGHT WINDOW
OHW	OPAQUE HIGHLIGHT WINDOW
MB	MAILBOX TO FUTURE DETAIL
FH	FIRE HYDRANT
FHR FS	FIRE HOSE REEL FIRE STAIRS
FS MV	MECHANICAL RISER TO FUTURE DETAIL
60	GARBAGE CHUTE
LS	LANDSCAPING (REFER TO LANDSCAPE ARCHITECT'S DRAWINGS)
1.5	EANDSCAPING (REFER TO EANDSCAPE ARCHITECT 5 DRAWINGS)
HWT	HOT WATER UNITS
CU	A/C CONDENSER UNITS
MATER	IALS LEGEND:
AEG	ALUMINIUM FRAMED GLAZING
AW	AWNING TO FUTURE DETAILS
AL	ALUMINIUM FIX LOUVERS (TO FUTURE DETAIL)
ALD	ALUMINIUM OPERABLE LOUVERS (TO FUTURE DETAIL)
BS	BATTEN SCREEN (TO FUTURE DETAIL)
FM	TEXTURED STONE FACADE (TO FUTURE DETAIL)
FC	TEXTURED CLADDING (TO FUTURE DETAIL)
GB	FRAMELESS TOUGHENED GLASS BALUSTRADE (TO BCA/AUSTRALIAN
	STANDARDS]
GW	GREEN WALL (TO FUTURE DETAIL)
MA	METAL FRAME AWNING (TO FUTURE DETAIL)
MB	METAL BALUSTRADE (TO FUTURE DETAIL)
MC	METAL CLADDING
MF	METAL FENCING (TO FUTURE SELECTION)
MS	METAL FEATURE SCREEN (TO FUTURE DETAIL)
0G 0P	OPAQUE GLAZING OPERABLE SCREENS (TO FUTURE DETAIL)
PC	PANEL CLADDING (TO FUTURE SELECTION)
PS	PRIVACY SCREEN (TO FUTURE SELECTION)
PTx	PAINT FINISH TYPEX
RD	ROLLER DOOR
RP	RIVER PEBBLES
RW	RENDERED WALL/SELECTED PAINT FINISH
SF	SHOPFRONT GLAZING (TO FUTURE DETAIL)
SC	STONE CLADDING (TO FUTURE DETAIL)
SRW	SCORED RENDERED WALL / SELECTED PAINT FINISH
TL	TILE FLOORING (TO FUTURE SELECTION)
TC	TIMBER APPEARANCE CLADDING (TO FUTURE SELECTION)
TS	TIMBER SOFFIT

GENERAL NOTES: ALL WORKS TO COMPLY WITH BUILDING CODE OF AUSTRALIA, REQUIREMENTS OF RELEVANT STATUTORY AUTHORITIES/ LOCAL GOVERNMENT & RELEVANT AUSTRALIAN BUILDING STANDAROS ONTHACTOR TO VERITY ALL DHENSIONS ON SITE BEFORE COMMENCING WORK-SHOULD A DISCRETARY BE BONTIFIC DI PLASE COMPRIM WITH ARCHTECT PROFIL TO PROCEEDING TO NOT SCALE FOR DI ADMINISTIC COMPANY AND ALL BER REQUIRED AT LC STAGE WHICH MAY IMPACT ON DESKIN AND PLANNING LAYOUTS COMPRIMETOR DESKIN SHOWN HEREON IS RETAINED BY PRO ARCHTECTS AND AUTHORITY IS REDUIRED FOR ANY REPRODUCTION

NOT FOR CONSTRUCTION



01 STREET VIEW 5



02 STREET VIEW 6









SCALE:	DRAWING NO:
1:100 @ A1 / 1:200 @A3 PROJECT NO:	207 10
PROJECT NO:	DA103
1732	

STREET VIEWS 2

DRAWING TITLE:

ROSEVILLE (MIXED-USE DEVELOPMENT)

PROJECT: 64 - 66 PACIFIC HIGHWAY,

ABN 36 147 035 550 P - 02 9969 8140 E - info@pbdarchitects.com.au Level 2, 52 Albion Street, Surry Hills NSW 2010

ARCHITECT: **PBD** | ARCHITECTS

HYECORP PROPERTY GROUP



A 20.02.2020 SOFC ISSUE



LEGEN	ID:
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FH	FIRE HYDRANT
FHR	FIRE HOSE REEL
FS	FIRE STAIRS
MV	MECHANICAL RISER TO FUTURE DETAIL
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AL	ALUMINIUM FIX LOUVERS (TO FUTURE DETAIL)
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PS PTx	PRIVACY SCREEN (TO FUTURE SELECTION) PAINT FINISH TYPEX
RD	ROLLER DOOR
RP	RIVER PEBBLES
RW	RENDERED WALL/SELECTED PAINT FINISH
SE	SHOPERONT GLAZING (TO EUTURE DETAIL)
SC	STONE CLADDING (TO FUTURE DETAIL)
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TL	TILE FLOORING (TO FUTURE SELECTION)
TC	TIMBER APPEARANCE CLADDING (TO FUTURE SELECTION)
TS	TIMBER SOFFIT

GENERAL NOTES: ALL WORKS TO COMPLY WITH BUILDING CODE OF AUSTRALIA, REQUIREMENTS OF RELEVANT STATUTORY AUTHORITIES/ LOCAL GOVERNMENT & RELEVANT AUSTRALIAN BUILDING STANDAROS ONTHACTOR TO VERITY ALL DHENSIONS ON SITE BEFORE COMMENCING WORK-SHOULD A DISCRETARY BE BONTIFIC DI PLASE COMPRIM WITH ARCHTECT PROFIL TO PROCEEDING TO NOT SCALE FOR DI ADMINISTIC COMPANY AND ALL BER REQUIRED AT LC STAGE WHICH MAY IMPACT ON DESKIN AND PLANNING LAYOUTS COMPRIMETOR DESKIN SHOWN HEREON IS RETAINED BY PRO ARCHTECTS AND AUTHORITY IS REDUIRED FOR ANY REPRODUCTION

NOT FOR CONSTRUCTION





02 STREET VIEW 4

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03 STREET VIEW 5





SCALE:	DRAWING NO:
1:100 @ A1 / 1:200 @A3 PROJECT NO:	۸70 <i>1</i>
PROJECT NO:	DA104
1732	

STREET VIEWS (11.5M WALL)

DRAWING TITLE:

PROJECT: 64 - 66 PACIFIC HIGHWAY, ROSEVILLE (MIXED-USE DEVELOPMENT)

PBD ARCHITECTS ABN 36 147 035 550 P-02 9088 7440 E - Info@pbdarchitects.com.au Level 2, 52 Albion Street, Surry Hills NSW 2010

ARCHITECT:

HYECORP PROPERTY GROUP



A 20.02.2020 SOFC ISSUE

DL HW OHW MB	PULL OUT CLOTHES DRYING LINE (TO FUTURE DETAIL) HIGHLIGHT WINDOW OPAQUE HIGHLIGHT WINDOW MAILBOX TO FUTURE DETAIL
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ALD	ALUMINIUM OPERABLE LOUVERS (TO FUTURE DETAIL)
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GB	FRAMELESS TOUGHENED GLASS BALUSTRADE (TO BCA/AUSTRALIAN
	STANDARDS)
GW	GREEN WALL (TO FUTURE DETAIL)
MA	METAL FRAME AWNING (TO FUTURE DETAIL)
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OG	OPAQUE GLAZING
0P	OPERABLE SCREENS (TO FUTURE DETAIL)
PC	PANEL CLADDING (TO FUTURE SELECTION)
PS	PRIVACY SCREEN (TO FUTURE SELECTION)
PTx	PAINT FINISH TYPEX
RD RP	ROLLER DOOR RIVER PEBBI ES
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SF	SHOPFRONT GLAZING (TO FUTURE DETAIL)
SC	STONE CLADDING (TO FUTURE DETAIL)
SRW	SCORED RENDERED WALL / SELECTED PAINT FINISH
TL	TILE FLOORING (TO FUTURE SELECTION)
TC	TIMBER APPEARANCE CLADDING (TO FUTURE SELECTION)
TS	TIMBER SOFFIT
	THE SOLUTION

GENERAL NOTES: ALL WORKS TO COMPLY WITH BUILDING CODE OF AUSTRALIA, REQUIREMENTS OF RELEVANT STATUTORY AUTHORITIES/ LOCAL GOVERNMENT & RELEVANT AUSTRALIAN BUILDING STANDAROS ONTHACTOR TO VERITY ALL DHENSIONS ON SITE BEFORE COMMENCING WORK-SHOULD A DISCRETARY BE BONTIFIC DI PLASE COMPRIN WITH ARCHTECT PROFILO NOT SCALE FOR DI ANNOSIS CONTRACTOR TO PLASE COMPRIN WITH ARCHTECT PROFIL CORORINATION WILL BE REQUIRED AT C.STAGE WHICH MAY IMPACT ON DESKIN AND PLANNIG LAYOUTS COMPRIGHT OF DESKIN SHOWN HEREON IS RETAINED BY PRO ARCHTECTS AND AUTHORITY IS REDUIRED FOR ANY REPRODUCTION

NOT FOR CONSTRUCTION

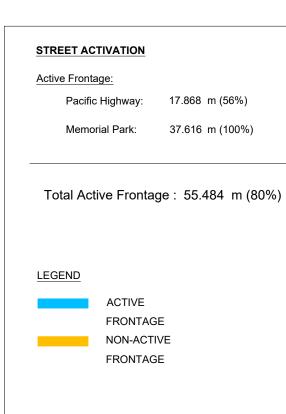
LEGEND:





Appendix 3 – Active Street Frontage





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	-		ATION DIAGRAM	
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	PROJECT 1732	NO:	DA570	D





Appendix 4 – Street Wall



GENERAL NOTES: • ALL WORKS TO COMPLY WITH BUILDING CODE OF AUSTRALIA, REQUREMENTS OF RELEVANT STATUTORY AUTORNESSING CODE OF AUSTRALIA, REQUREMENTS OF RELEVANT AUSTRALIAN BUILDING STANDARDS • CONTRACTO TO VERIFY ALL DIRENSIONS DN SITE BEFORE COMMENCING WORK-SHOLD A DISCREPANCY BE DENTIFIED PLEASE COMPRIM WITH ARCHITECT PRIOR TO PROCEEDING IGO NOT SCALE FROM DRAWINGSI • DRAWINGS FOR THE PURPOSES OF DA DULY - FURTHER CONSULTANT/ AUTORNTY CORRENTIAN WILL BE REQUIRED AT LCS TAGE WITH MAY HPACT ON DESIGN AND PLANNING LAYOUTS • COPFICIENT OF DESIGN SHOWN HEREON IS RETAINED BY PRD ARCHITECTS AND AUTHORITY IS REQURED FOR ANY REPRODUCTION NOTTFOOR ANY REPRODUCTION
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A 20.02.2020 SOFC ISSUE
ARCHITECT: PBD ARCHITECTS ABN 35 147 035 550 P*-0.2 0909 8140 E. Info@pddarchitects.com.au Level 2.52 Abion Street. Surry Hills NSW 2010 PROJECT: 64 - 66 PACIFIC HIGHWAY, ROSEVILLE (MIXED-USE DEVELOPMENT) DRAWING TITLE: EAST ELEVATION (11.5M WALL)
SCALE: 1:100 @ A1 / 1:200 @ A3 PROJECT NO: 1732 DRAWING NO: DA205 A ISSUE: A





Appendix 5 – Floor to Floor Engineers Letter

REF: 2000155

25 February 2020

Gleb Zinger Design Manager Hyecorp Property Group Heritage House Suite 1, 256 Victoria Avenue Chatswood NSW 2067 gleb@hyecorp.com.au

RE: 66 PACIFIC HIGHWAY - ROSEVILLE MEP & STORWATER ENGINEERING SERVICES ADVICE

Thank you for requesting our advice on the above project. We understand that the issue of substance is the reduced Floor-to-Floor height from 3100mm to 3040.

We have reviewed the preliminary DA drawings produced by PBD Architects and have investigated design options that can be implemented to fully service each of the apartments whilst achieving a minimum 2700mm clear internal height within habitable spaces.

In our opinion, based on multiple projects of this nature, whilst the reduced FtF height will present some challenges, these are all able to be met. Moreover, there are multiple solutions available in respect to:

- Ventilation;
- Air Conditioning
- Fire Sprinklers
- Sanitary Plumbing;
- Roof and balcony drainage;
- Lighting; and
- Power reticulation

that can be applied to deal with the reduced FtF height without impacting on the minimum 2700mm clearance in habitable spaces.

Consequently, we are happy to endorse the reduced Floor-to-Floor height and confirm that this will permit the final design to maintain a 2700mm in habitable spaces and be fully serviced in respect to building engineering services.

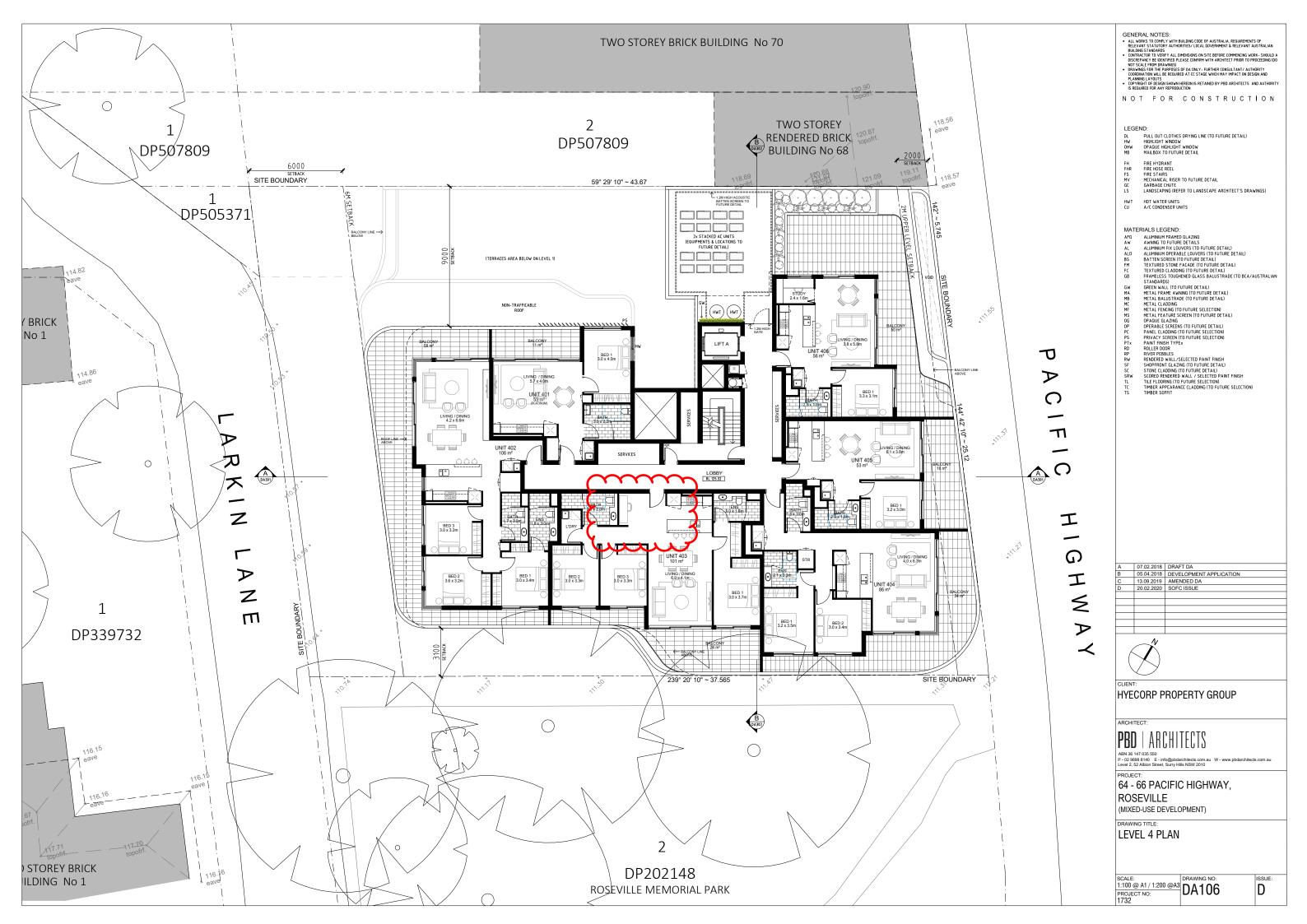
Yours faithfully,

Vim/Ferretti BE (UNSW) MBA MIEAust CPEng Director of Building Engineering





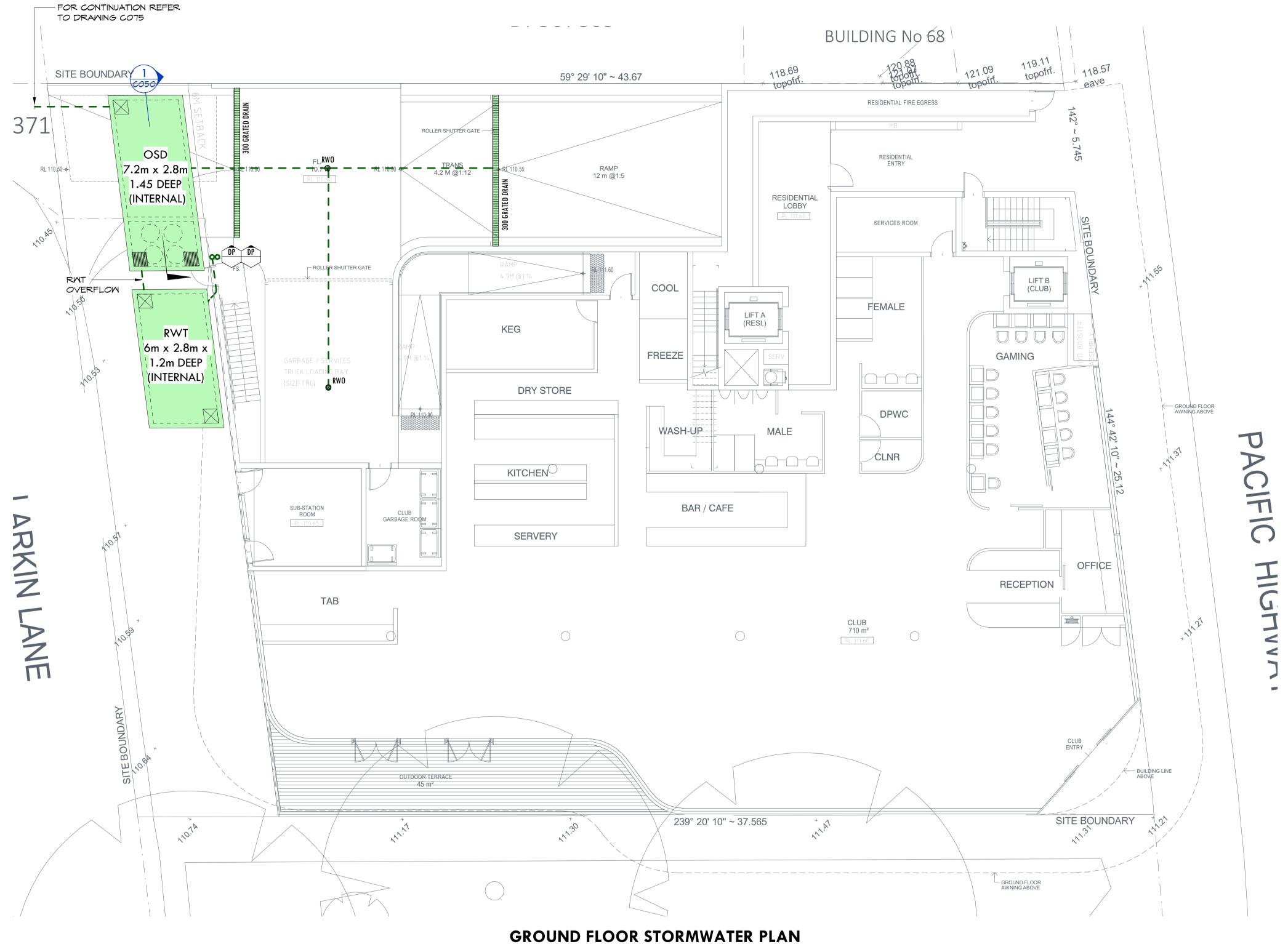
Appendix 6 – Unit 403







Appendix 7 – Stormwater



SCALE 1 : 100

4	21.02.20	ELR	ISSUED FOR REVIEW
З	10.09.19	ELR	REISSUED FOR DA
2	14.03.18	ELR	ISSUED FOR DA
1	01.03.23	ELR	ISSUED FOR REVIEW
AMDT	DATE	BY	DESCRIPTION

•

STRUCTURAL

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CIVIL



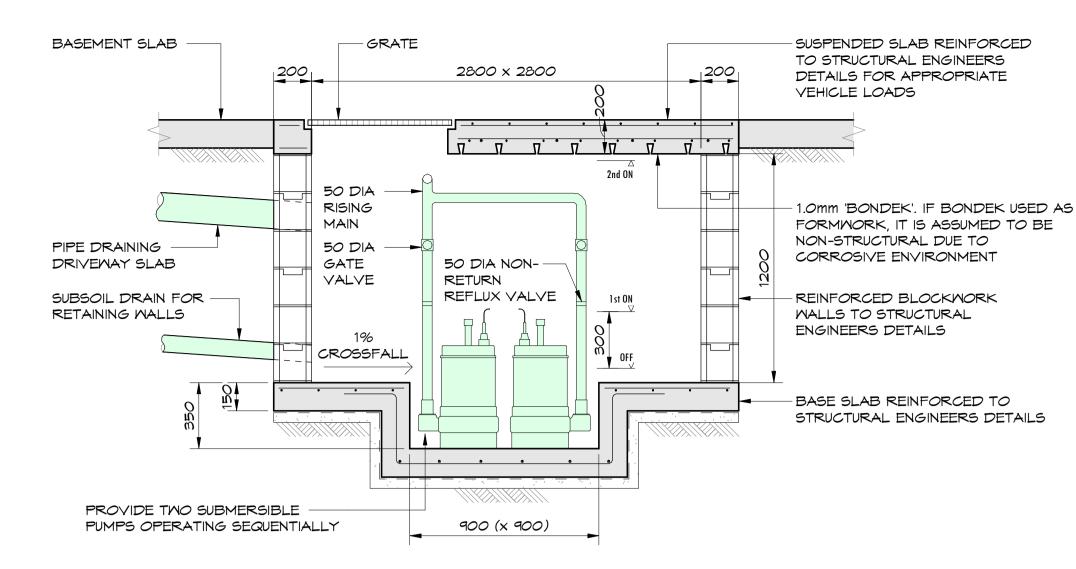
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CIVIL DESIGN GROUND STORMWATER PLAN

MIXED USE DEVELOPMENT 64-66 PACIFIC HIGHWAY, ROSEVILLE

HYECORP





PUMP-OUT PIT DESIGN NOTES

THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:

* THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.

* A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.

* A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE TANK TO THE LEVEL OF THE LOW LEVEL FLOAT.

* A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM

* AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.

* CONTRACTOR IS TO CONFIRM PUMP ELECTRICAL LOAD AND CONNECTION WITH ELECTRICAL CONTRACTOR AT THE BEGINNING OF THE PROJECT.

PUMP OUT CALCULATIONS

DRIVEWAY AREA OF EXPOSED DRIVEWAY = $80m^2$ MINIMUM VOLUME: 100YR, $2HR = 9.12m^3$ SUGGESTED ADOPTED V = 9.14 m^3 QPEAK: 100YR, 5MIN = 6.2 L/s

SUBSOIL CALCULATIONS

ASSUME SOIL IS SATURATED TO GROUND LEVEL AND INFLOWS CAN BE APPROXIMATED BY SUB-SOIL FLOW NET:

 $Q = 2/3 \times K \times H (m3/s PER M OF SUBSOIL LINE)$

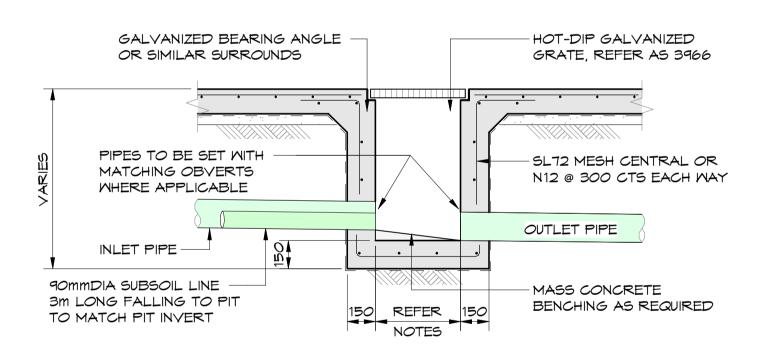
ASSUMED SUBSOIL INFILTRATION, $K = 1 \times 10^{-5}$ (CLAYEY SAND) H = HEIGHT = 12m LENGTH OF SUBSOIL = 150m $Q = 2/3 \times 1 \times 10^{-5} \times (150 \times 12) = 12 L/s$

COMBINED

THEREFORE, SUGGESTED PUMP CAPACITY $= 1.1 \times (6.2 + 12) = 20.02 \text{ L/s}$

NOTE: CONTRACTOR TO VERIFY SUBSOIL INFILTRATION RATES VIA GEOTECHNICAL ENGINEERS TESTING, PRIOR TO CONSTRUCTION. SUPERVISING ENGINEER TO VERIFY CHANGES IF INFILTRATION RATES DIFFER SIGNIFICANTLY FROM ASSUMED VALUES.

BASEMENT PUMPOUT TANK DETAIL SCALE 1 : 20



NOTES:

1. DEPTHS OF 450 SQUARE PITS NOT TO EXCEED 600 DEEP.

DEPTHS OF 600 SQUARE PITS NOT TO EXCEED 900 DEEP, OTHERWISE INCREASE ONE DIRECTION BY 300. (ie : 600 x 900 PIT) PITS TO BE 900 SQUARE WHERE DEPTH TO INVERT EXCEEDS 1200.

2. CLIMB IRONS SHALL BE PROVIDED UNDER LID AT 300 CTS TO COUNCIL STANDARDS WHERE PIT DEPTH IS DEEPER THAN 1000.

- 3. REINFORCEMENT NOTED IS ONLY REQUIRED FOR PITS EXCEEDING 900 DEEP, SUBJECT TO COUNCIL REQUIREMENTS. PITS GREATER THAN 3000 DEEP WILL REQUIRE STRUCTURAL ENGINEERS DESIGN.
- 4. PROVIDE 90Dia x 3000 LONG SUBSOIL DRAINAGE STUB PIPE SURROUNDED WITH 100mm THICKNESS OF NOMINAL 20mm COARSE FILTER
- MATERIAL WRAPPED IN GEOTEXTILE FILTER FABRIC. (BIDUM A24 OR APPROVED SIMILAR). TO BE PARALLEL TO UPSTREAM SIDE OF EACH INLET PIPE.
- 5. ALTERNATIVE PIT CONSTRUCTION MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.

6. CONCRETE STRENGTH F'C = 32 MPa

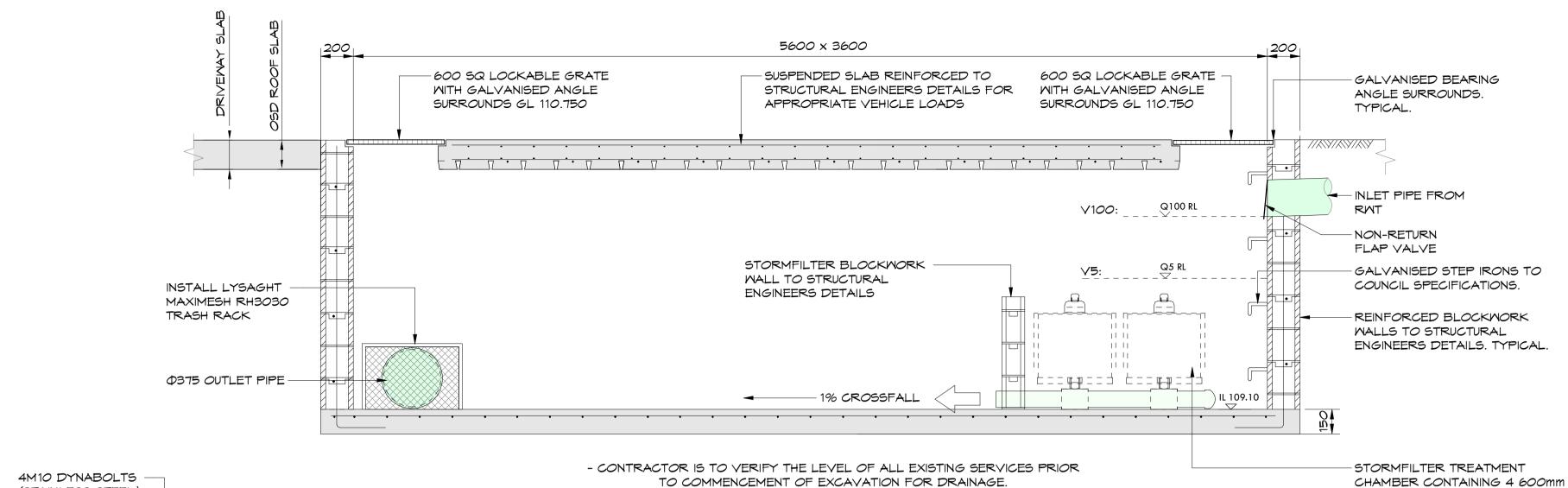
STRUCTURAL

TYPICAL CONCRETE INLET PIT - CONCRETE SURFACE GCALE 1.00

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2	14.03.18	ELR	ISSUED FOR DA
1	01.03.23	ELR	ISSUED FOR REVIEW
AMDT	DATE	BY	DESCRIPTION

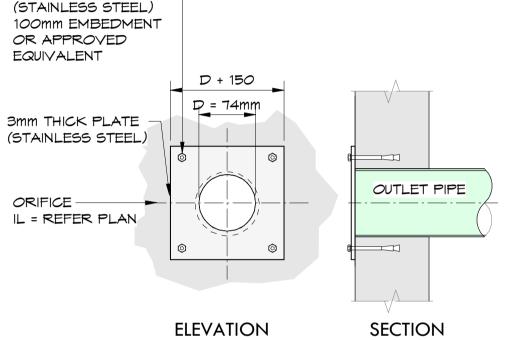
CIVIL



SECTION

SCALE 1 : 20

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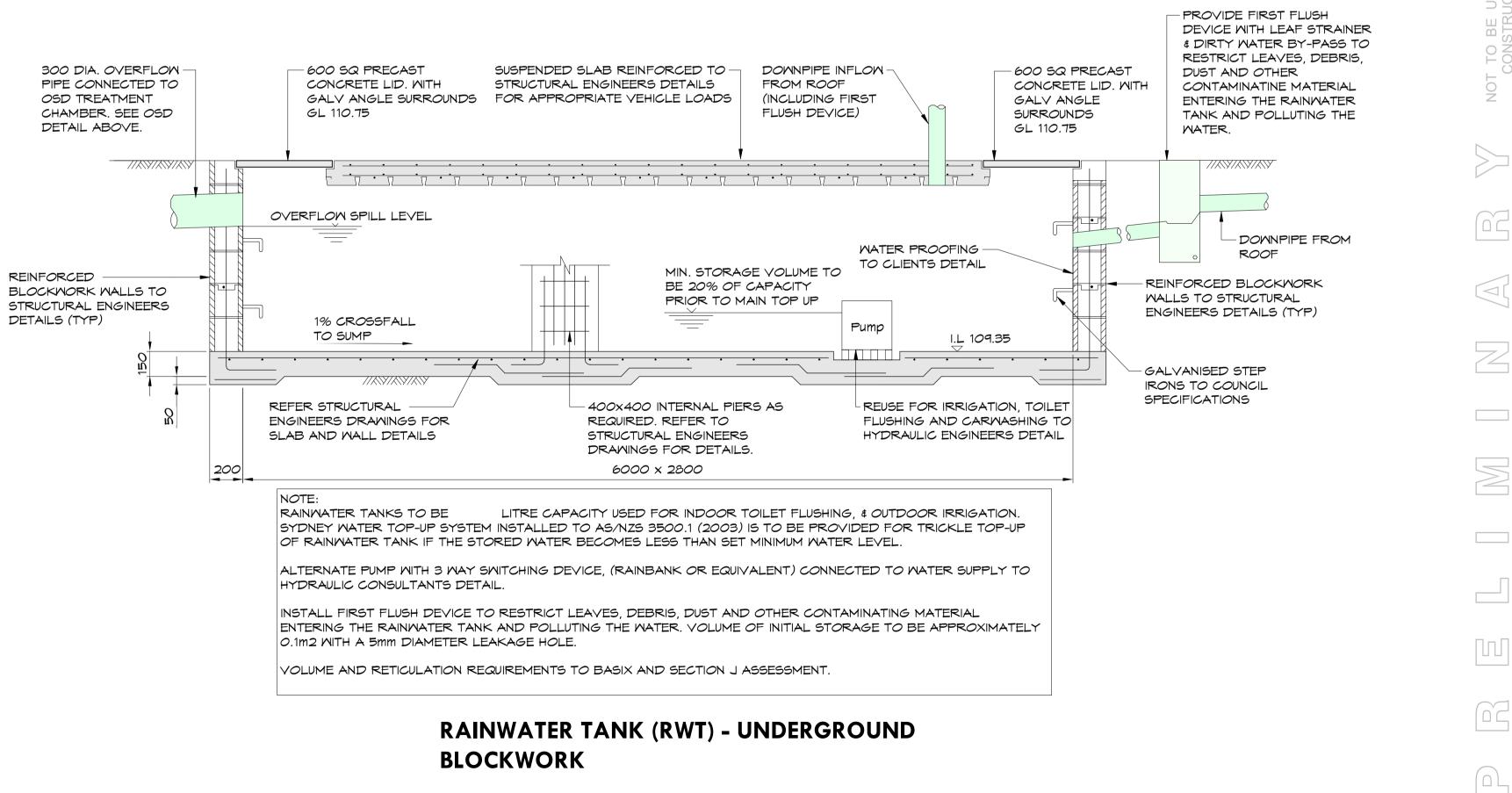


TYPICAL ORIFICE PLATE DETAIL

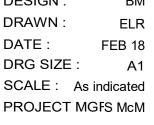
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BUILDING SERVICES









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STORMFILTER CARTRIDGES.

REFER OCEAN PROTECT DETAILS.

CIVIL DESIGN TYPICAL DETAILS

MIXED USE DEVELOPMENT 64-66 PACIFIC HIGHWAY, ROSEVILL 17011201

HYECORP





Appendix 8 – BASIX



Efficient Living Pty Ltd 13/13 Lagoon Street NARRABEEN NSW 2101 Ph: (02) 9970 6181 E: dani@efficientliving.com.au

25 February 2020

Ku-ring-gai Council 818 Pacific Highway GORDON NSW 2072

To Whom It May Concern,

RE: MIXED USE DEVELOPMENT – 64-66 PACIFIC HIGHWAY, ROSEVILLE SUSTAINABILITY – BUILDING PERFORMANCE – Point 24.

Efficient Living Pty Ltd is an Independent Expert trading in the area of BASIX and NatHERS Assessments and was engaged by Hyecorp in March 2018 to provide NatHERS and BASIX Certification based on the proposed residential units to be constructed at the above address. The Assessment reviewed the proposed construction materials, modelled the units in BERS 4.3 software and respectively nominated the appropriate insulation values required to meet compliance BASIX Thermal Comfort Protocol (refer to Table A: Maximum loads for single dwellings and average all dwellings in multi dwelling developments from BASIX Thermal Comfort Protocol).

It is our understanding that Council require further clarification regarding ceiling insulation requirements for the ceilings of Units 301, 302, 303, 306, 307, 308, 401, 402, 403, 404, 405, 406, 501, 502 and 503, and in particular the issue of installing insulation to the external envelope (ceiling insulation where roof or balcony above) which may pose issues for the proposed floor-to-floor height accessible thresholds for private open space of Platinum Level units, and maximum building height.

Insulation is required to all ceiling areas that form part of the external building envelope, whether it has balcony or roof above. It is not required to ceilings with conditioned internal spaces above (eg. neighbouring dwelling above). With regards to space issues; there are many different products and installation methods available for ceiling insulation. Popular methods include battening out a space below the underside of exposed slab and placing plasterboard with bulk insulation in the cavity space between the plasterboard and the concrete above. Different cavity spaces are required depending on the thermal performance value (R-value) of the nominated ceiling insulations that a direct stick high performance product such as Kingspan Kooltherm K10 G2 Soffit Board be used. The above nominated units require either R2.0 or R3.0 insulation; with the use of such a high performance product an R2.0 Kooltherm K10 rigid soffit board has a product thickness of 50mm and an R3.0 board has a product thickness of 60mm.

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I believe this particular product thickness will not pose a problem and is achievable with the current design.

Please do not hesitate to contact me should you require any further information.

Yours faithfully,

Danielle Grumont Sustainable Building Consultant E: dani@efficientliving.com.au



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Appendix 9 – Dimensions

