

Development Consent Conditions (Medium density residential)



Folder /DA No:	DA/375/2018
Property:	2 Ada Street, RANDWICK NSW 2031
Proposal:	Partial demolition of the existing building, demolition of the existing carport, change of use of the existing attached dual occupancy to a residential flat building comprising 3 dwellings (addition of 1 new dwelling), alterations and additions to the existing building including a new rear extension comprising 3 storeys, 3 at-grade car parking spaces to the rear, landscaping and associated site works.
Recommendation:	Approval

Development Consent Conditions

GENERAL CONDITIONS

The development must be carried out in accordance with the following conditions of consent.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979, Environmental Planning & Assessment Regulation 2000* and to provide reasonable levels of environmental amenity.

Approved Plans & Supporting Documentation

- The development must be implemented substantially in accordance with the plans and supporting documentation listed below and endorsed with Council's approved stamp, except where amended by Council in red and/or by other conditions of this consent:

Plan	Drawn by	Dated
DA05 Project 1405	Habitat Architects	Undated.
DA06 Project 1405		
DA07 Project 1405		
DA08 Project 1405		
DA09 Project 1405		
DA10 Project 1405		
DA11 Project 1405		
DA12 Project 1405		
DA13 Project 1405		
DA14 Project 1405		
DA15 Project 1405		
DA18 Project 1405		
DA19 Project 1405		
Titled: Indicative Schedule of External Materials and Finishes.		

BASIX Certificate No.	Dated
A18188_03	6 June 2018
A318206_02	

Amendment of Plans & Documentation

2. The approved plans and documents must be amended in accordance with the following requirements:

- a) A privacy screen having a height of 1.6m (measured above the finished floor level of the balconies) shall be provided to the southern sides of the rear-facing balconies to the first and second floor.

Privacy screen/s must be constructed with either:

- Translucent or obscured glazing (The use of film applied to the clear glass pane is unacceptable);
 - Fixed lattice/slats with individual openings not more than 30mm wide;
 - Fixed vertical or horizontal louvres with the individual blades angled and spaced appropriately to prevent overlooking into the private open space or windows of the adjacent dwellings.
- b) The following window/s must have a minimum sill height of 1.6m above floor level, or alternatively, the window/s are to be fixed and be provided with translucent, obscured, frosted or sandblasted glazing below this specified height:
- The south-facing bedroom 3 window of apartment 3.
- c) The western boundary setback to the second floor balcony and living area of apartment 3 shall be increased by 1.2m. The strata plan shall be amended to reflect these changes.
- d) The retractable awning above the rear-facing balcony of apartment 3 on the second floor shall be limited to a maximum depth of 1m when fully extended from the western façade of the living area.
- e) Adequate lighting shall be provided for personal safety in common and access areas.
- f) New 1.8m high fencing shall be provided along the northern side boundary and the western rear boundary in accordance with the requirements of the Dividing Fences Act 1991.

Heritage Requirements

3. New openings in existing brickwork are to be carefully carried out to avoid damage to existing brickwork surfaces, as rendering and/or painting of existing brickwork surfaces will not be supported.
4. A brief archival recording of the areas of the property affected by proposed changes, including the front fence, the front façade, the rear section of the building and interior detailing, shall be prepared and submitted to and approved by Council's Director City Planning, in accordance with Section 80A (2) of the Environmental Planning and Assessment Act 1979 prior to a construction certificate being issued for the development. This recording shall be in accordance with the NSW Heritage Office 2006 Guidelines for Photographic Recording of Heritage Items using Film or Digital Capture. Two copies of the endorsed archival recording shall be presented to Council, one of which shall be placed in the Local History Collection of Randwick City Library.

5. Details of the design and structure of the proposed timber balustrade to the front upper level balcony are to be submitted to and approved by Council's Director City Planning, in accordance with Section 80A (2) of the Environmental Planning and Assessment Act 1979 prior to a construction certificate being issued for the development.
6. Further research is to be carried out to determine an appropriate detail for the proposed window hoods to the front elevation. Given the stylistic character of the building, it is more likely that the original window hoods were Californian Bungalow style flat roofed hoods, rather than sloping Federation style hoods. Amended drawings are to be submitted to and approved by Council's Director City Planning, in accordance with Section 80A (2) of the Environmental Planning and Assessment Act 1979 prior to a construction certificate being issued for the development.
7. Details of the to proposed metal cladding to the below-window treatment to the front elevation are to be submitted to and approved by Council's Director City Planning, in accordance with Section 80A (2) of the Environmental Planning and Assessment Act 1979 prior to a construction certificate being issued for the development.
8. Existing bricks are to be cleaned, salvaged and reused for the partial rebuilding of the original external access stair to the upper level apartment.
9. Existing timber casement windows are to be retained and repaired as far as possible, rather than replaced. Any replacement windows are to match the detail of existing windows, including profile of frames and sashes.
10. The height of the proposed front fence is not to exceed 1.5m. Amended drawings are to be submitted to and approved by Council's Director City Planning, in accordance with Section 80A (2) of the Environmental Planning and Assessment Act 1979 prior to a construction certificate being issued for the development.

REQUIREMENTS BEFORE A CONSTRUCTION CERTIFICATE CAN BE ISSUED

The following conditions of consent must be complied with before a 'Construction Certificate' is issued by either Randwick City Council or an Accredited Certifier. All necessary information to demonstrate compliance with the following conditions of consent must be included in the documentation for the construction certificate.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979, Environmental Planning & Assessment Regulation 2000*, Council's development consent conditions and to achieve reasonable levels of environmental amenity.

Consent Requirements

11. The requirements and amendments detailed in the 'General Conditions' must be complied with and be included in the construction certificate plans and associated documentation.

Section 7.12 Development Contributions

12. In accordance with Council's Development Contributions Plan effective from 21 April 2015, based on the development cost of \$1,011,084 the following applicable monetary levy must be paid to Council: \$10,110.85.

The levy must be paid in **cash, bank cheque** or by **credit card** prior to a construction certificate being issued for the proposed development. The development is subject to an index to reflect quarterly variations in the Consumer Price Index (CPI) from the date of Council's determination to the date of payment.

Please contact Council on telephone 9093 6999 or 1300 722 542 for the indexed contribution amount prior to payment.

To calculate the indexed levy, the following formula must be used:

$$\text{IDC} = \text{ODC} \times \text{CP2/CP1}$$

Where:

IDC = the indexed development cost

ODC = the original development cost determined by the Council

CP2 = the Consumer Price Index, All Groups, Sydney, as published by the ABS in respect of the quarter ending immediately prior to the date of payment

CP1 = the Consumer Price Index, All Groups, Sydney as published by the ABS in respect of the quarter ending immediately prior to the date of imposition of the condition requiring payment of the levy.

Council's Development Contributions Plans may be inspected at the Customer Service Centre, Administrative Centre, 30 Frances Street, Randwick or at www.randwick.nsw.gov.au.

Compliance Fee

13. A development compliance and enforcement fee of \$5,881.70 shall be paid to Council in accordance with Council's adopted Fees & Charges Pricing Policy, prior to the issue of a Construction Certificate for development.

Long Service Levy Payments

14. The required Long Service Levy payment, under the *Building and Construction Industry Long Service Payments Act 1986*, must be forwarded to the Long Service Levy Corporation or the Council, in accordance with Section 6.8 of the *Environmental Planning & Assessment Act 1979*.

At the time of this development consent, Long Service Levy payment is applicable on building work having a value of \$25,000 or more, at the rate of 0.35% of the cost of the works.

Security Deposit

15. The following damage / civil works security deposit requirement must be complied with, as security for making good any damage caused to the roadway, footway, verge or any public place; and as security for completing any public work; and for remedying any defect on such public works, in accordance with section 80A(6) of the *Environmental Planning and Assessment Act 1979*:

- \$2000 - Damage / Civil Works Security Deposit

The damage/civil works security deposit may be provided by way of a cash, cheque or credit card payment and is refundable upon a satisfactory inspection by Council upon the completion of the civil works which confirms that there has been no damage to Council's infrastructure.

The owner/builder is also requested to advise Council in writing and/or photographs of any signs of existing damage to the Council roadway, footway, or verge prior to the commencement of any building/demolition works.

To obtain a refund of relevant deposits, a *Security Deposit Refund Form* is to be forwarded to Council's Director of City Services upon issuing of an occupation certificate or completion of the civil works.

Sydney Water

16. All building, plumbing and drainage work must be carried out in accordance with the requirements of the Sydney Water Corporation.

The approved plans must be submitted to the Sydney Water Tap in™ online service, to determine whether the development will affect Sydney Water's waste water and water mains, stormwater drains and/or easements, and if any further requirements need to be met.

The Tap in™ service provides 24/7 access to a range of services, including:

- Building plan approvals
- Connection and disconnection approvals
- Diagrams
- Trade waste approvals
- Pressure information
- Water meter installations
- Pressure boosting and pump approvals
- Change to an existing service or asset, e.g. relocating or moving an asset.

Sydney Water's Tap in™ in online service is available at:
<https://www.sydneywater.com.au/tapin>

The Principal Certifying Authority must ensure that the developer/owner has submitted the approved plans to Sydney Water Tap in online service.

Street Tree Protection

17. In order to ensure retention of the *Sapium sebiferum* (Chinese Tallowood, T1) that is located on Council's Ada Street verge to the north of the vehicle access, centrally across the width of the site in good health, the following measures are to be undertaken:

- a) All documentation submitted for the Construction Certificate application must show its retention, with the position and diameter of both its trunk and canopy to be clearly and accurately shown on all plans in relation to the works.
- b) Any excavations associated with the installation of new services, pipes, stormwater systems or similar over public property can only be located along either of the sites side boundaries; or, against the northern side of the vehicle crossing so as to minimise root damage and future maintenance issues.
- c) The Construction Certificate plans must show that the vehicle crossing will not be extended any closer to its trunk than the current offset.
- d) Where roots are encountered during demolition/re-construction of the front boundary fence, public footpath or similar, they may be cut cleanly by hand, with the affected area to be backfilled with clean site soil as soon as practically possible.
- e) Prior to the commencement of any site works, its trunk is to be physically protected by wrapping layers of geo-textile, underfelt or layers of Hessian, from ground level to a height of 2m, to which, 2m lengths of 50mm x 100mm hardwood timbers, spaced at 150mm centres shall be placed around its circumference, and are to be secured by 8 gauge wires or steel strapping at 300mm spacing. NO nailing to the trunk.
- f) This protection shall be installed prior to the commencement of demolition and construction works and shall remain in place until all works are

completed, to which, signage containing the following words shall be clearly displayed and permanently attached: "TREE PROTECTION, DO NOT REMOVE.

- g) In order to prevent soil/sediment being washed over its root system, erosion control measures must also be provided at ground level around the perimeter of its trunk.
- h) Other than the approved works, the applicant is not authorised to perform any other works to this public tree, and must contact Council's Landscape Development Officer on 9093-6613 should **pruning** or similar works appear necessary. If approval is given, it can only be performed by Council, wholly at the applicants cost, with payment to be received prior to the issue of an Occupation Certificate.
- i) There is to be no storage of materials, machinery or site office/sheds, nor is cement to be mixed or chemicals spilt/disposed of and no stockpiling of soil or rubble around its trunk, with all Site Management Plans needing to acknowledge these requirements.
- j) The PCA must ensure compliance with all of these requirements, both on the plans as well as on-site during the course of construction, and prior to issuing any type of Occupation Certificate.
- k) A refundable deposit in the form of cash, credit card or cheque for an amount of **\$1,000.00** must be paid at the Cashier on the Ground Floor of the Administrative Centre, **prior to a Construction Certificate being issued for the development**, in order to ensure compliance with the conditions listed in this consent, and ultimately, preservation of the tree. The refundable deposit will be eligible for refund following the issue of an Occupation Certificate, subject to completion and submission of Council's 'Security Deposit Refund Application Form', and pending a satisfactory inspection by Council's Landscape Development Officer (9093-6613).

Any contravention of Council's conditions relating to the tree at any time during the course of the works, or prior to the issue of any Occupation Certificate, may result in Council claiming all or part of the lodged security in order to perform any rectification works necessary, as per the requirements of 80A (6) of the Environmental Planning and Assessment Act 1979.

Tree Protection Measures

18. In order to also ensure retention of the two *Syzygium paniculatum* (Magenta Cherry's, T4-5) that are located beyond the southwest site corner, wholly on the adjoining private property at 4 Ada Street, close to the common boundary, along with the two *Cinnamomum camphora* (Camphor Laurels, T6-7) and *Phoenix canariensis* (Canary Island Date Palm, T8) back within the rear setback of the subject site, around the northwest corner in good health, the following measures are to be undertaken:

- a) All documentation submitted for the Construction Certificate application must show their retention, with the position and diameter of both their trunks, canopies, SRZ's, TPZ's and tree identification numbers to be clearly and accurately shown on all plans in relation to the works.
- b) Prior to the commencement of any site works, the Certifying Authority/PCA must ensure that an AQF Level 5 Arborist (who is eligible for membership with a nationally recognized organization/association) has been engaged as 'the Project Arborist' for the duration of works, and will be responsible for

both implementing and monitoring the conditions of development consent, the Recommended Tree Protection Measures from Section 10 of the Arboricultural Impact Assessment Report by Earthscape Horticultural Services, dated June 2018, (*"the Arborists Report"*) and any other instructions issued on-site.

- c) The Project Arborist must be present on-site at the relevant stages of works, keeping a log of the dates of attendance and the works performed, which is to be presented as a Final Compliance Report, for the approval of the PCA, prior to the issue of any Occupation Certificate.
- d) As specified in Appendix 4 – Impact Assessment Schedule of the Arborist Report, and as is shown on the Level 1 Plan, dwg DA06, all Construction Certificate plans must also show that the western edge/kerb of the new carpark area in the rear setback of the subject site will be offset a minimum distance of 2.8m to the south-east and 3.3m to the east of T6; 5.9m from T7; and 2.3m from T8, measured from the centre of their trunks.
- e) The Project Arborist must provide their written approval of both the porous/permeable surface treatment to be used for the rear carpark area (for the 3 spaces only), as is noted on dwg DA06, as well as the sub-grade, which must be in accordance with Section 10.9 of the Arborist Report, with these details then needing to be submitted to, and be approved by, the Certifying Authority/PCA.
- f) All Construction Certificate plans must also confirm that the finished level of the carpark will be consistent with what is shown on the same plan referenced above; being, 54.10(RL) in the southwest corner and in the centre of this area, and then 53.83(RL) at the northwest corner.
- g) Demolition of the existing free-standing carport and any associated retaining walls or other structures in the southwest corner of the subject site must be performed in accordance with **Section 10.5** of the Arborists Report.
- h) All initial excavations associated with the carpark works, within the following TPZ radius', can only be undertaken by hand; either by; or; under the direct supervision of, the Project Arborist, and in accordance with **Section 10.6** of the Arborist Report:
 - 6m for T4;
 - 4.5m for T5;
 - 10m for T6;
 - 15m for T7;
 - 5.4m for T8.
- i) Council's Landscape Development Officer (9093-6613) must then be contacted, prior to proceeding further with any works; being forming, pouring footings, installing sub-grades or similar, and giving at least 2 working days-notice, to inspect these affected areas, with the Project Arborist to comply with any instructions issued by Council.
- j) The only excavations associated with the installation of new services, pipes, stormwater systems or similar in the rear yard will be for the 450 x 450 pit and line along the eastern edge of the new carpark area, as shown on the Site Stormwater Drainage Concept Plan by Michael Ell, rev A, dated 31/07/18, and is to be performed on-site in accordance with **Section 10.7** of the Arborists Report.

- k. In order to prevent the introduction of pathogens such as *Fusarium sp*, to which the Date Palm (T8) is vulnerable, any imported soils and mulch must comply with AS4419 – 2003: Soils for landscaping & garden use, and AS4454 – 2003 Composts, Soil Conditioners & Mulches respectively, with certificates of compliance to be submitted to, and be approved by, the Certifying Authority/PCA, prior to their use on-site.
- l. Any tools or machinery that will come into direct contact with T8 must also be disinfected and sterilised, prior to commencement, as well as regularly during the course of the works, by soaking for **5 minutes** in the following mixture:
 - i. 50% household bleach or 5% quaternary ammonium (eg, Phytoclean, Avis Chemicals); then;
 - ii. Rinsing affected equipment with clean water and/or 70% alcohol to remove disinfectant.
- m. T6, T7 & T8 must be physically protected as one group by the installation of 1.8 metre high steel mesh/chainwire fencing, which shall be located along the western edge of the new carpark, across the full width of the subject site, in order to completely exclude these trees for the duration of works.
- n. This fencing shall be installed prior to the commencement of demolition and construction works and shall remain in place until all works are completed, to which, signage containing the following words shall be clearly displayed and permanently attached: "TREE PROTECTION ZONE (TPZ), DO NOT REMOVE/ENTER".
- o. Within the TPZ, there is to be no storage of materials, machinery or site office/sheds, nor is cement to be mixed or chemicals spilt/disposed of and no stockpiling of soil or rubble, with all Site Management Plans needing to acknowledge these requirements.
- p. If additional trunk or branch protection is required, this can be provided by way of wrapping layers of geo-textile, underfelt or Hessian around affected areas, to which lengths of evenly spaced hardwood timbers shall be placed around their circumference, and are then to be secured by 8 gauge wires or steel strapping at 300mm spacing. NO nailing to the trunk.
- q. Ground levels in the area between the western edge of the new carpark area and western site boundary must not be altered by more than 200mm, and other than the approved landscaping, there must be no other structures such as continuous strip footings, planter boxes or similar to be located in this area, which must remain as undisturbed, deep soil.
- r. The PCA must ensure compliance with all of these requirements, both on the plans as well as on-site during the course of construction, and prior to issuing any type of Occupation Certificate.

REQUIREMENTS TO BE INCLUDED IN THE CONSTRUCTION CERTIFICATE

The requirements contained in the following conditions of consent must be complied with and details of compliance must be included in the construction certificate for the development.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000*, Councils development consent conditions and to achieve reasonable levels of environmental amenity.

Compliance with the Building Code of Australia

19. In accordance with section 4.17 (11) of the *Environmental Planning & Assessment Act 1979* and clause 98 of the *Environmental Planning & Assessment Regulation 2000*, it is a *prescribed condition* that all building work must be carried out in accordance with the provisions of the Building Code of Australia (BCA). Details of compliance with the BCA are to be included in the construction certificate application.

Structural Adequacy

20. Certificate of Adequacy supplied by a *professional engineer* shall be submitted to the *certifying authority (and the Council, if the Council is not the certifying authority)*, certifying the structural adequacy of the existing structure to support the additional storey/upper floor addition.

BASIX Requirements

21. In accordance with section 4.17(11) of the *Environmental Planning & Assessment Act 1979* and clause 97A of the *Environmental Planning & Assessment Regulation 2000*, the requirements and commitments contained in the relevant BASIX Certificate must be complied with.

The required commitments listed and identified in the BASIX Certificate must be included on the construction certificate plans, specifications and associated documentation, to the satisfaction of the Certifying Authority.

The design of the building must not be inconsistent with the development consent and any proposed variations to the building to achieve the BASIX commitments may necessitate a new development consent or amendment to the existing consent to be obtained, prior to a construction certificate being issued.

Carparking

22. The vehicular access driveways, and the carpark areas, (including, but not limited to, the ramp grades, carpark layout and height clearances) are to be in accordance with the requirements of AS2890.1:2004. The Construction Certificate plans must demonstrate compliance with these requirements.

NOTE:

- All vehicles must be able to enter and exit the site in a forward direction.

Stormwater Drainage

23. Stormwater drainage plans have not been approved as part of this development consent. Engineering calculations and plans with levels reduced to Australian Height Datum in relation to site drainage shall be prepared by a suitably qualified Hydraulic Engineer and submitted to and approved by the certifying authority prior to a construction certificate being issued for the development. A copy of the engineering calculations and plans are to be forwarded to Council, prior to a construction certificate being issued, if the Council is not the certifying authority. The drawings and details shall include the following information:

- a) A detailed drainage design supported by a catchment area plan, at a scale of 1:100 or as considered acceptable to the Council or an accredited certifier, and drainage calculations prepared in accordance with the Institution of Engineers publication, Australian Rainfall and Run-off, 1987 edition.

- b) A layout of the proposed drainage system including pipe sizes, type, grade, length, invert levels, etc., dimensions and types of all drainage pipes and the connection into Council's stormwater system.
 - c) The separate catchment areas within the site, draining to each collection point or surface pit are to be classified into the following categories:
 - i. Roof areas
 - ii. Paved areas
 - iii. Grassed areas
 - iv. Garden areas
 - d) Where buildings abut higher buildings and their roofs are "flushed in" to the higher wall, the area contributing must be taken as: the projected roof area of the lower building, plus one half of the area of the vertical wall abutting, for the purpose of determining the discharge from the lower roof.
 - e) Proposed finished surface levels and grades of car parks, internal driveways and access aisles which are to be related to Council's design alignment levels.
 - f) The details of any special features that will affect the drainage design eg. the nature of the soil in the site and/or the presence of rock etc.
24. The site stormwater drainage system is to be provided in accordance with the following requirements;
- a) The stormwater drainage system must be provided in accordance with the relevant requirements of Building Code of Australia and the conditions of this consent, to the satisfaction of the *Certifying Authority* and details are to be included in the construction certificate.
 - b) The stormwater must be discharged (by gravity) either:
 - i. Directly to the kerb and gutter or underground drainage system in front of the subject site on Ada street; or
 - ii. Directly into Council's underground drainage system located within the adjoining drainage reserve via a suitable connection point or pit; or
 - iii. To a suitably designed infiltration system (subject to confirmation in a full geotechnical investigation that the ground conditions are suitable for the infiltration system),

NOTES:

- Infiltration will not be appropriate if the site is subject to rock and/or a water table within 2 metres of the base of the proposed infiltration area, or the ground conditions comprise low permeability soils such as clay.
- If the owner/applicant is able to demonstrate to Council that he/she has been unable to procure a private drainage easement through adjoining premises and the ground conditions preclude the use of an infiltration system, a pump-out system may be permitted to drain the portion of the site that cannot be discharged by gravity to Council's street drainage system in front of the property.

Pump-out systems must be designed by a suitably qualified and experienced hydraulic consultant/engineer in accordance with the conditions of this consent and Council's Private Stormwater Code.

- c) Should stormwater be discharged to Council's street drainage system, an on-site stormwater detention system must be provided to ensure that the maximum discharge from the redeveloped portion of the site does not exceed that which would occur during a **20% AEP (1 in 5 year)** storm of one hour duration for existing site conditions. All other stormwater run-off from the site for all storms up to the 5% AEP (1 in 20 year) storm is to be retained on the site for gradual release to the street drainage system, to the satisfaction of the certifying authority. If discharging to the street gutter the PSD shall be restricted to the above or **25 L/S**, whichever the lesser.

An overland escape route or overflow system (to Council's street drainage system) must be provided for storms having an annual exceedance probability (AEP) of 1% (1 in 100 year storm), or, alternatively the stormwater detention system is to be provided to accommodate the 1% AEP (1 in 100 year) storm.

- d) Should stormwater be discharged to an infiltration system the following requirements must be met;

i. Infiltration systems/Absorption Trenches must be designed and constructed generally in accordance with Randwick City Council's Private Stormwater Code.

ii. The infiltration area shall be sized for all storm events up to the 5% AEP (1 in 20 year) storm event with provision for a formal overland flow path to Council's Street drainage system.

Should no formal overland escape route be provided for storms greater than the 5% AEP (1 in 20yr) design storm, the infiltration system shall be sized for the 1% AEP (1 in 100yr) storm event.

iii. Infiltration areas must be a minimum of 3.0 metres from any structure (Note: this setback requirement may not be necessary if a structural engineer or other suitably qualified person certifies that the infiltration area will not adversely affect the structure)

iv. Infiltration areas must be a minimum of 2.1 metres from any site boundary unless the boundary is common to Council land (eg. a road, laneway or reserve).

- e) Determination of the required cumulative storage (in the on-site detention and/or infiltration system) must be calculated by the mass curve technique as detailed in Technical Note 1, Chapter 14 of the Australian Rainfall and Run-off Volume 1, 1987 Edition.

Where possible any detention tanks should have an open base to infiltrate stormwater into the ground. Infiltration should not be used if ground water and/or any rock stratum is within 2.0 metres of the base of the tank.

- f) Should a pump system be required to drain any portion of the site the system must be designed with a minimum of two pumps being installed, connected in parallel (with each pump capable of discharging at the permissible discharge rate) and connected to a control board so that each pump will operate alternatively. The pump wet well shall be sized for the

1% AEP (1 in 100 year), 2 hour storm assuming both pumps are not working.

The pump system must also be designed and installed strictly in accordance with Randwick City Council's Private Stormwater Code.

- g) If connecting to Council's underground drainage system, a reflux valve shall be provided (within the site) over the pipeline discharging from the site to ensure that stormwater from Council drainage system does not surcharge back into the site stormwater system.
- h) Any new kerb inlet pits (constructed within Council's road reserve) are to be constructed generally in accordance with Council's standard detail for the design of kerb inlet pits (which is available from Council).
- i) Generally all internal pipelines must be capable of discharging a 1 in 20 year storm flow. However the minimum pipe size for pipes that accept stormwater from a surface inlet pit must be 150mm diameter. The site must be graded to direct any surplus run-off (i.e. above the 1 in 20 year storm) to the proposed drainage (detention/infiltration) system.
- j) A sediment/silt arrester pit must be provided within the site near the street boundary prior to discharge of the stormwater to Council's drainage system and prior to discharging the stormwater to any absorption/infiltration system.

Sediment/silt arrester pits are to be constructed generally in accordance with the following requirements:

- The base of the pit being located a minimum 300mm under the invert level of the outlet pipe.
- The pit being constructed from cast in-situ concrete, precast concrete or double brick.
- A minimum of 4 x 90 mm diameter weep holes (or equivalent) located in the walls of the pit at the floor level with a suitable geotextile material with a high filtration rating located over the weep holes.
- A galvanised heavy-duty screen being provided over the outlet pipe/s (Mascot GMS multipurpose filter screen or equivalent).
- The grate being a galvanised heavy-duty grate that has a provision for a child proof fastening system.
- A child proof and corrosion resistant fastening system being provided for the access grate (e.g. spring loaded j-bolts or similar).
- Provision of a sign adjacent to the pit stating, "This sediment/silt arrester pit shall be regularly inspected and cleaned".

Sketch details of a standard sediment/silt arrester pit may be obtained from Council's Drainage Engineer.

- k) The floor level of all habitable, retail, commercial and storage areas located adjacent to any detention and/or infiltration systems with above ground storage must be a minimum of 300mm above the maximum water level for the design storm or alternately a permanent 300mm high water proof barrier is to be provided.

(In this regard, it must be noted that this condition must not result in any increase in the heights or levels of the building. Any variations to the

heights or levels of the building will require a new or amended development consent from the Council prior to a construction certificate being issued for the development).

- l) The maximum depth of ponding in any above ground detention areas and/or infiltration systems with above ground storage shall be as follows (as applicable):
 - i. 150mm in uncovered open car parking areas (with an isolated maximum depth of 200mm permissible at the low point pit within the detention area)
 - ii. 300mm in landscaped areas (where child proof fencing is not provided around the outside of the detention area and sides slopes are steeper than 1 in 10)
 - iii. 600mm in landscaped areas where the side slopes of the detention area have a maximum grade of 1 in 10
 - iv. 1200mm in landscaped areas where a safety fence is provided around the outside of the detention area
 - v. Above ground stormwater detention areas must be suitably signposted where required, warning people of the maximum flood level.

Note: Above ground storage of stormwater is not permitted within basement car parks or store rooms.

- m) A childproof and corrosion resistant fastening system shall be installed on access grates over pits/trenches where water is permitted to be temporarily stored.
- n) A 'V' drain (or equally effective provisions) are to be provided to the perimeter of the property, where necessary, to direct all stormwater to the detention/infiltration area.
- o) Mulch or bark is not to be used in on-site detention areas.
- p) Site discharge pipelines shall cross the verge at an angle no less than 45 degrees to the kerb line and must not encroach across a neighbouring property's frontage unless approved in writing by Council's Development Engineering Coordinator.
- q) Any onsite detention/infiltration systems shall be located in areas accessible by residents of all units.
- r) Should stormwater be discharged to an infiltration system the following requirements must be met;
 - i. Infiltration systems/Absorption Trenches must be designed and constructed generally in accordance with Randwick City Council's Private Stormwater Code.
 - ii. The infiltration area shall be sized for all storm events up to the 5% AEP (1 in 20 year) storm event with provision for a formal overland flow path to Council's Street drainage system.

Should no formal overland escape route be provided for storms greater than the 5% AEP (1 in 20yr) design storm, the infiltration system shall be sized for the 1% AEP (1 in 100yr) storm event.

- iii. Infiltration areas must be a minimum of 3.0 metres from any structure (Note: this setback requirement may not be necessary if a structural engineer or other suitably qualified person certifies that the infiltration area will not adversely affect the structure)
 - iv. Infiltration areas must be a minimum of 2.1 metres from any site boundary unless the boundary is common to Council land (eg. road, laneway or reserve).
- s) Determination of the required cumulative storage (in the on-site detention and/or infiltration system) must be calculated by the mass curve technique as detailed in Technical Note 1, Chapter 14 of the Australian Rainfall and Run-off Volume 1, 1987 Edition.

Where possible any detention tanks should have an open base to infiltrate stormwater into the ground. Infiltration should not be used if ground water and/or any rock stratum is within 2.0 metres of the base of the tank.

- t) If connecting to Council's underground drainage system, a reflux valve shall be provided (within the site) over the pipeline discharging from the site to ensure that stormwater from Council drainage system does not surcharge back into the site stormwater system.
- u) Generally all internal pipelines must be capable of discharging a 5% AEP (1 in 20 year) storm flow. However the minimum pipe size for pipes that accept stormwater from a surface inlet pit must be 150mm diameter. The site must be graded to direct any surplus run-off (i.e. above the 1 in 20 year storm) to the proposed drainage (detention/infiltration) system.
- v) A sediment/silt arrestor pit must be provided within the site near the street boundary prior to discharge of the stormwater to Council's drainage system and prior to discharging the stormwater to any absorption/infiltration system.

Sediment/silt arrestor pits are to be constructed generally in accordance with the following requirements:

- The base of the pit being located a minimum 300mm under the invert level of the outlet pipe.
- The pit being constructed from cast in-situ concrete, precast concrete or double brick.
- A minimum of 4 x 90 mm diameter weep holes (or equivalent) located in the walls of the pit at the floor level with a suitable geotextile material with a high filtration rating located over the weep holes.
- A galvanised heavy-duty screen being provided over the outlet pipe/s (Mascot GMS multipurpose filter screen or equivalent).
- The grate being a galvanised heavy-duty grate that has a provision for a child proof fastening system.
- A child proof and corrosion resistant fastening system being provided for the access grate (e.g. spring loaded j-bolts or similar).
- Provision of a sign adjacent to the pit stating, "This sediment/silt arrestor pit shall be regularly inspected and cleaned".

Sketch details of a standard sediment/silt arrestor pit may be obtained from Council's Drainage Engineer.

- w) The floor level of all habitable, retail, commercial and storage areas located adjacent to any detention and/or infiltration systems with above ground storage must be a minimum of 300mm above the maximum water level for the design storm or alternately a permanent 300mm high water proof barrier is to be provided.

(In this regard, it must be noted that this condition must not result in any increase in the heights or levels of the building. Any variations to the heights or levels of the building will require a new or amended development consent from the Council prior to a construction certificate being issued for the development).

- x) The maximum depth of ponding in any above ground detention areas and/or infiltration systems with above ground storage shall be as follows (as applicable):
- i. 150mm in uncovered open car parking areas (with an isolated maximum depth of 200mm permissible at the low point pit within the detention area)
 - ii. 300mm in landscaped areas (where child proof fencing is not provided around the outside of the detention area and sides slopes are steeper than 1 in 10)
 - iii. 600mm in landscaped areas where the side slopes of the detention area have a maximum grade of 1 in 10
 - iv. 1200mm in landscaped areas where a safety fence is provided around the outside of the detention area
 - v. Above ground stormwater detention areas must be suitably signposted where required, warning people of the maximum flood level.

Note: Above ground storage of stormwater is not permitted within basement car parks or store rooms.

- y) A childproof and corrosion resistant fastening system shall be installed on access grates over pits/trenches where water is permitted to be temporarily stored.
- z) A 'V' drain (or equally effective provisions) are to be provided to the perimeter of the property, where necessary, to direct all stormwater to the detention/infiltration area.
- aa) Mulch or bark is not to be used in on-site detention areas.
- bb) Site discharge pipelines shall cross the verge at an angle no less than 45 degrees to the kerb line and must not encroach across a neighbouring property's frontage unless approved in writing by Council's Development Engineering Coordinator.
- cc) Any seepage waters must be managed within the site and must not be collected & discharged directly or indirectly to Council's street gutter.

Footings adjacent to drainage easements.

25. All proposed footings located adjacent to the existing drainage reserve shall either be:

- a) Founded on rock, or;
- b) Extend below a 30 degrees line taken from the level of the pipe invert at the edge of the drainage reserve (angle of repose).

Structural details demonstrating compliance with this condition shall be submitted with the construction certificate application.

Waste Management

- 26. A Waste Management Plan detailing the waste and recycling storage and removal strategy for all of the development, is required to be submitted to and approved by Council's Director of City Planning.

The Waste Management plan is required to be prepared in accordance with Council's Waste Management Guidelines for Proposed Development and must include the following details (as applicable):

- The use of the premises and the number and size of occupancies.
- The type and quantity of waste to be generated by the development.
- Demolition and construction waste, including materials to be re-used or recycled.
- Details of the proposed recycling and waste disposal contractors.
- Waste storage facilities and equipment.
- Access and traffic arrangements.
- The procedures and arrangements for on-going waste management including collection, storage and removal of waste and recycling of materials.

Further details of Council's requirements and guidelines, including pro-forma Waste Management plan forms can be obtained from Council's Customer Service Centre.

- 27. The waste storage area shall be sized to contain a total of 5 x 240 litre bins (comprising 2 garbage bins, 2 recycle bins, & 1 green waste) and with adequate provisions for access to all bins. Details showing compliance are to be included in the construction certificate.

Landscape Plans

- 28. The Certifying Authority/PCA must ensure that the Landscape Plans submitted as part of the approved Construction Certificate are substantially consistent with the Landscape Plans by Greenplan, dwg's LSDA-201-202, issue B; and dwg's 301 - 304, issue A, all dated 13/06/18.

REQUIREMENTS PRIOR TO THE COMMENCEMENT OF ANY WORKS

The following conditions of consent must be complied with prior to the commencement of any works on the site. The necessary documentation and information must be provided to the Council or the 'Principal Certifying Authority' (PCA), as applicable.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000* and to provide reasonable levels of public health, safety and environmental amenity.

Certification, PCA & Other Requirements

- 29. Prior to the commencement of any building works, the following requirements must be complied with:

- a) a *Construction Certificate* must be obtained from the Council or an accredited certifier, in accordance with the provisions of the *Environmental Planning & Assessment Act 1979*.

A copy of the construction certificate, the approved development consent plans and consent conditions must be kept on the site at all times and be made available to the Council officers and all building contractors for assessment.

- b) a *Principal Certifying Authority* (PCA) must be appointed to carry out the necessary building inspections and to issue an *occupation certificate*; and
- c) a *principal contractor* must be appointed for the building work, or in relation to residential building work, an *owner-builder* permit may be obtained in accordance with the requirements of the *Home Building Act 1989*, and the PCA and Council are to be notified accordingly; and
- d) the *principal contractor* must be advised of the required *critical stage inspections* and other inspections to be carried out, as specified by the *Principal Certifying Authority*; and
- e) at least two days notice must be given to the Council, in writing, prior to commencing any works.

Home Building Act 1989

30. In accordance with section 4.17 (11) of the *Environmental Planning & Assessment Act 1979* and clause 98 of the *Environmental Planning & Assessment Regulation 2000*, the requirements of the *Home Building Act 1989* must be complied with.

Details of the Licensed Building Contractor and a copy of the relevant Certificate of Home Warranty Insurance or a copy of the Owner-Builder Permit (as applicable) must be provided to the Principal Certifying Authority and Council.

Dilapidation Reports

31. A dilapidation report must be obtained from a Professional Engineer, Building Surveyor or other suitably qualified independent person, in the following cases:

- excavations for new dwellings, additions to dwellings, swimming pools or other substantial structures which are proposed to be located within the *zone of influence* of the footings of any dwelling, associated garage or other substantial structure located upon an adjoining premises;
- new dwellings or additions to dwellings sited up to shared property boundaries (e.g. additions to a semi-detached dwelling or terraced dwellings);
- excavations for new dwellings, additions to dwellings, swimming pools or other substantial structures which are within rock and may result in vibration and or potential damage to any dwelling, associated garage or other substantial structure located upon an adjoining premises;
- as otherwise may be required by the *Principal Certifying Authority*.

The dilapidation report shall include details of the current condition and status of any dwelling, associated garage or other substantial structure located upon the adjoining premises and shall include relevant photographs of the structures, to the satisfaction of the *Principal Certifying Authority*.

The dilapidation report must be submitted to the Council, the *Principal Certifying Authority* and the owners of the adjoining/nearby premises encompassed in the report, prior to commencing any site works (including any demolition work, excavation work or building work).

Construction Noise & Vibration Management Plan

32. Noise and vibration emissions during the construction of the building and associated site works must not result in an unreasonable loss of amenity to nearby residents and the relevant requirements of the *Protection of the Environment Operations Act 1997* and NSW EPA Guidelines must be satisfied at all times.

Noise and vibration from any rock excavation machinery, pile drivers and all plant and equipment must be minimised, by using appropriate plant and equipment, silencers and the implementation of noise management strategies.

A *Construction Noise Management Plan*, prepared in accordance with the NSW EPA Construction Noise Guideline by a suitably qualified person, is to be implemented throughout the works. A copy of the strategy must be provided to the Principal Certifying Authority and Council prior to the commencement of works on site.

Construction Site Management Plan

33. A *Construction Site Management Plan* must be developed and implemented prior to the commencement of any works. The construction site management plan must include the following measures, as applicable to the type of development:

- location and construction of protective fencing / hoardings to the perimeter of the site;
- location of site storage areas/sheds/equipment;
- location of building materials for construction;
- provisions for public safety;
- dust control measures;
- site access location and construction;
- details of methods of disposal of demolition materials;
- protective measures for tree preservation;
- provisions for temporary sanitary facilities;
- location and size of waste containers/bulk bins;
- details of proposed sediment and erosion control measures;
- provisions for temporary stormwater drainage;
- construction noise and vibration management;
- construction traffic management details.

The site management measures must be implemented prior to the commencement of any site works and be maintained throughout the works.

A copy of the *Construction Site Management Plan* must be provided to the Principal Certifying Authority and Council prior to commencing site works. A copy must also be maintained on site and be made available to Council officers upon request.

Demolition Work Plan

34. Demolition Work must be carried out in accordance with Australian Standard AS2601-2001, Demolition of Structures and relevant work health and safety provisions and the following requirements:

- a) A Demolition Work Plan must be prepared for the demolition works which should be submitted to the Principal Certifying Authority (PCA), not less than two (2) working days before commencing any demolition work. A copy of the Demolition Work Plan must be maintained on site and be made available to Council officers upon request.

If the work involves asbestos products or materials, a copy of the Demolition Work Plan must also be provided to Council not less than 2 days before commencing those works.

- b) Any materials containing asbestos (including Fibro) must be safely removed and disposed of in accordance with the NSW Work Health and Safety Regulation 2017, SafeWork NSW Code of Practice for the Safe Removal of Asbestos, Protection of Environment Operations (Waste) Regulation 2014 and Council's Asbestos Policy.

Construction Traffic Management

35. An application for a 'Works Zone' and Construction Traffic Management Plan must be submitted to Councils Integrated Transport Department, and approved by the Randwick Traffic Committee, for a 'Works Zone' to be provided in Ada Street for the duration of the demolition & construction works.

The 'Works Zone' must have a minimum length of 12m and extend for a minimum duration of three months. The suitability of the proposed length and duration is to be demonstrated in the application for the Works Zone. The application for the Works Zone must be submitted to Council at least six (6) weeks prior to the commencement of work on the site to allow for assessment and tabling of agenda for the Randwick Traffic Committee.

The requirement for a Works Zone may be varied or waived only if it can be demonstrated in the Construction Traffic Management Plan (to the satisfaction of Council's Traffic Engineers) that all construction related activities (including all loading and unloading operations) can and will be undertaken wholly within the site. The written approval of Council must be obtained to provide a Works Zone or to waive the requirement to provide a Works Zone prior to the commencement of any site work.

36. A detailed Construction Site Traffic Management Plan must be submitted to and approved by Council, prior to the commencement of any site work.

The Construction Site Traffic Management Plan must be prepared by a suitably qualified person and must include the following details, to the satisfaction of Council:

- A description of the demolition, excavation and construction works
- A site plan/s showing the site, roads, footpaths, site access points and vehicular movements
- Any proposed road and/or footpath closures
- Proposed site access locations for personnel, deliveries and materials
- Size, type and estimated number of vehicular movements (including removal of excavated materials, delivery of materials and concrete to the site)
- Provision for loading and unloading of goods and materials
- Impacts of the work and vehicular movements on the road network, traffic and pedestrians
- Proposed hours of construction related activities and vehicular movements to and from the site
- Current/proposed approvals from other Agencies and Authorities (including NSW Roads & Maritime Services, Police and State Transit Authority)

- Any activities proposed to be located or impact upon Council's road, footways or any public place
- Measures to maintain public safety and convenience

The approved Construction Site Traffic Management Plan must be complied with at all times, and any proposed amendments to the approved Construction Site Traffic Management Plan must be submitted to and be approved by Council in writing, prior to the implementation of any variations to the Plan.

37. Any necessary approvals must be obtained from NSW Police, Roads & Maritime Services, Transport, and relevant Service Authorities, prior to commencing work upon or within the road, footway or nature strip.

Public Utilities

38. A public utility impact assessment must be carried out on all public utility services located on the site, roadway, nature strip, footpath, public reserve or any public areas associated with and/or adjacent to the building works. The assessment should include relevant information from public utility authorities and exploratory trenching or pot-holing, if necessary, to determine the position and level of services.
39. Documentary evidence from the relevant public utility authorities confirming they have agreed to the proposed works and that their requirements have been or are able to be satisfied, must be submitted to the Principal Certifying Authority prior to the commencement of any demolition, excavation or building works.

The owner/builder must make the necessary arrangements and meet the full cost for telecommunication companies, gas providers, Ausgrid, Sydney Water and other service authorities to adjust, repair or relocate their services as required.

REQUIREMENTS DURING CONSTRUCTION & SITE WORK

The following conditions of consent must be complied with during the demolition, excavation and construction of the development.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000* and to provide reasonable levels of public health, safety and environmental amenity during construction.

Inspections during Construction

40. Building works are required to be inspected by the *Principal Certifying Authority*, in accordance with the *Environmental Planning & Assessment Act 1979* and clause 162A of the *Environmental Planning & Assessment Regulation 2000*, to monitor compliance with the relevant standards of construction, Council's development consent and the construction certificate.

Site Signage

41. A sign must be erected and maintained in a prominent position on the site for the duration of the works, which contains the following details:
- name, address, contractor licence number and telephone number of the *principal contractor*, including a telephone number at which the person may be contacted outside working hours, or *owner-builder* permit details (as applicable)
 - name, address and telephone number of the *Principal Certifying Authority*,
 - a statement stating that "unauthorised entry to the work site is prohibited".

Restriction on Working Hours

42. Building, demolition and associated site works must be carried out in accordance with the following requirements:

Activity	Permitted working hours
All building, demolition and site work, including site deliveries (except as detailed below)	<ul style="list-style-type: none">Monday to Friday - 7.00am to 5.00pmSaturday - 8.00am to 5.00pmSunday & public holidays - No work permitted
Excavating or sawing of rock, use of jack-hammers, pile-drivers, vibratory rollers/compactors or the like	<ul style="list-style-type: none">Monday to Friday - 8.00am to 1.00pmSaturday - No work permittedSunday & public holidays - No work permitted

An application to vary the abovementioned hours may be submitted to Council's Manager Health, Building & Regulatory Services for consideration and approval to vary the specified hours may be granted in exceptional circumstances and for limited occasions (e.g. for public safety, traffic management or road safety reasons). Any applications are to be made on the standard application form and include payment of the relevant fees and supporting information. Applications must be made at least 10 days prior to the date of the proposed work and the prior written approval of Council must be obtained to vary the standard permitted working hours.

Removal of Asbestos Materials

43. Any work involving the demolition, storage or disposal of asbestos products and materials must be carried out in accordance with the following requirements:

- Work Health & Safety legislation and SafeWork NSW requirements
- Preparation and implementation of a *demolition work plan*, in accordance with AS 2601 (2001) – Demolition of structures; NSW Work Health and Safety Regulation 2017 and Randwick City Council's Asbestos Policy. A copy of the demolition work plan must be provided to Principal Certifying Authority and a copy must be kept on site and be made available for Council Officer upon request.
- A SafeWork NSW licensed demolition or asbestos removal contractor must undertake removal of more than 10m² of bonded asbestos (or as otherwise specified by SafeWork NSW or relevant legislation). Removal of friable asbestos material must only be undertaken by contractor that holds a current friable asbestos removal licence. A copy of the relevant licence must be provided to the Principal Certifying Authority.
- On sites involving the removal of asbestos, a sign must be clearly displayed in a prominent visible position at the front of the site, containing the words 'Danger Asbestos Removal In Progress' and include details of the licensed contractor.
- Asbestos waste must be stored, transported and disposed of in compliance with the *Protection of the Environment Operations Act 1997* and the *Protection of the Environment Operations (Waste) Regulation 2014*. Details of the disposal of materials containing asbestos (including receipts) must be provided to the Principal Certifying Authority and Council.
- A Clearance Certificate or Statement, prepared by a suitably qualified person (i.e. an occupational hygienist, licensed asbestos assessor or other competent person), must be provided to Council and the Principal Certifying

authority as soon as practicable after completion of the asbestos related works, which confirms that the asbestos material have been removed appropriately and the relevant conditions of consent have been satisfied.

A copy of Council's Asbestos Policy is available on Council's web site at www.randwick.nsw.gov.au in the Building & Development Section or a copy can be obtained from Council's Customer Service Centre.

Public Safety & Site Management

44. Public safety and convenience must be maintained at all times during demolition, excavation and construction works and the following requirements must be complied with:

- a) Public access to the building site and materials must be restricted by existing boundary fencing or temporary site fencing having a minimum height of 1.5m, to Council's satisfaction.

Temporary site fences are required to be constructed of cyclone wire fencing material and be structurally adequate, safe and constructed in a professional manner. The use of poor quality materials or steel reinforcement mesh as fencing is not permissible.

- b) Building materials, sand, soil, waste materials, construction equipment or other articles must not be placed upon the footpath, roadway or nature strip at any time.
- c) The road, footpath, vehicular crossing and nature strip must be maintained in a good, safe, clean condition and free from any excavations, obstructions, trip hazards, goods, materials, soils or debris at all times. Any damage caused to the road, footway, vehicular crossing, nature strip or any public place must be repaired immediately, to the satisfaction of Council.
- d) All building and site activities (including storage or placement of materials or waste and concrete mixing/pouring/pumping activities) must not cause or be likely to cause 'pollution' of any waters, including any stormwater drainage systems, street gutters or roadways.

Note: It is an offence under the Protection of the Environment Operations Act 1997 to cause or be likely to cause 'pollution of waters', which may result in significant penalties and fines.

- e) Sediment and erosion control measures, must be implemented throughout the site works in accordance with the manual for Managing Urban Stormwater – Soils and Construction, published by Landcom, and details are to be included in the *Construction site Management Plan*.
- f) Site fencing, building materials, bulk bins/waste containers and other articles must not be located upon the footpath, roadway or nature strip at any time without the prior written approval of the Council. Applications to place a waste container in a public place can be made to Council's Health, Building and Regulatory Services department.
- g) Adequate provisions must be made to ensure pedestrian safety and traffic flow during the site works and traffic control measures are to be implemented in accordance with the relevant provisions of the Roads and Traffic Manual "Traffic Control at Work Sites" (Version 4), to the satisfaction of Council.

Support of Adjoining Land, Excavations & Retaining Walls

45. In accordance with section 4.17 (11) of the *Environmental Planning & Assessment Act 1979* and clause 98 E of the *Environmental Planning & Assessment Regulation 2000*, it is a prescribed condition that the adjoining land and buildings located upon the adjoining land must be adequately supported at all times.

46. All excavations and backfilling associated with the erection or demolition of a building must be executed safely in accordance with appropriate professional standards and excavations must be properly guarded and supported to prevent them from being dangerous to life, property or buildings.

Retaining walls, shoring or piling must be provided to support land which is excavated in association with the erection or demolition of a building, to prevent the movement of soil and to support the adjacent land and buildings, if the soil conditions require it. Adequate provisions are also to be made for drainage.

Details of proposed retaining walls, shoring, piling or other measures are to be submitted to and approved by the Principal Certifying Authority.

47. Prior to undertaking any demolition, excavation or building work in the following circumstances, a report must be obtained from a *professional engineer* which details the methods of support for the dwelling or associated structure on the adjoining land, to the satisfaction of the *Principal Certifying Authority*:

- when undertaking excavation or building work within the zone of influence of the footings of a dwelling or associated structure that is located on the adjoining land;
- when undertaking demolition work to a wall of a dwelling that is built to a common or shared boundary (e.g. semi-detached or terrace dwelling);
- when constructing a wall to a dwelling or associated structure that is located within 900mm of a dwelling located on the adjoining land;
- as may be required by the *Principal Certifying Authority*.

The demolition, excavation and building work and the provision of support to the dwelling or *associated* structure on the adjoining land, must also be carried out in accordance with the abovementioned report, to the satisfaction of the *Principal Certifying Authority*.

Building Encroachments

48. There must be no encroachment of any structures or building work onto Council's road reserve, footway, nature strip or public place.

Road/Asset Opening Permit

49. Any openings within or upon the road, footpath, nature strip or in any public place (i.e. for proposed drainage works or installation of services), must be carried out in accordance with the following requirements, to the satisfaction of Council:

- a) A *Road / Asset Opening Permit* must be obtained from Council prior to carrying out any works within or upon a road, footpath, nature strip or in any public place, in accordance with section 138 of the *Roads Act 1993* and all of the conditions and requirements contained in the *Road / Asset Opening Permit* must be complied with.
- b) Council's Road / Asset Opening Officer must be notified at least 48 hours in advance of commencing any excavation works and also immediately upon completing the works (on 9399 0691 or 0409 033 921 during business hours), to enable any necessary inspections or works to be carried out.

- c) Relevant *Road / Asset Opening Permit* fees, construction fees, inspection fees and security deposits, must be paid to Council prior to commencing any works within or upon the road, footpath, nature strip or other public place,
- d) The owner/developer must ensure that all works within or upon the road reserve, footpath, nature strip or other public place are completed to the satisfaction of Council, prior to the issuing of a *final occupation certificate* or occupation of the development (whichever is sooner).
- e) Excavations and trenches must be back-filled and compacted in accordance with AUSPEC standards 306U.
- f) Excavations or trenches located upon a road or footpath are required to be provided with 50mm depth of cold-mix bitumen finish, level with the existing road/ground surface, to enable Council to readily complete the finishing works at a future date.
- g) Excavations or trenches located upon turfed areas are required to be back-filled, compacted, top-soiled and re-turfed with Kikuyu turf.
- h) The work and area must be maintained in a clean, safe and tidy condition at all times and the area must be thoroughly cleaned at the end of each days activities and upon completion.
- i) The work can only be carried out in accordance with approved hours of building work as specified in the development consent, unless the express written approval of Council has been obtained beforehand.
- j) Sediment control measures must be implemented in accordance with the conditions of development consent and soil, sand or any other material must not be allowed to enter the stormwater drainage system or cause a pollution incident.
- k) The owner/developer must have a Public Liability Insurance Policy in force, with a minimum cover of \$10 million and a copy of the insurance policy must be provided to Council prior to carrying out any works within or upon the road, footpath, nature strip or in any public place.

Traffic Management

- 50. Adequate provisions must be made to ensure pedestrian safety and traffic flow during the site works and traffic control measures are to be implemented in accordance with the relevant provisions of the Roads and Traffic Manual "Traffic Control at Work Sites" (Version 4), to the satisfaction of Council.
- 51. All work, including the provision of barricades, fencing, lighting, signage and traffic control, must be carried out in accordance with the NSW Roads and Traffic Authority publication - 'Traffic Control at Work Sites' and Australian Standard AS 1742.3 – Traffic Control Devices for Works on Roads, at all times.
- 52. All conditions and requirements of the NSW Police, Roads & Maritime Services, Transport and Council must be complied with at all times.

Stormwater Drainage

- 53. Adequate provisions must be made to collect and discharge stormwater drainage during construction of the building to the satisfaction of the principal certifying authority.

The prior written approval of Council must be obtained to connect or discharge site stormwater to Council's stormwater drainage system or street gutter.

Tree Management

54. Approval is granted for removal of the following vegetation from within the subject site in order to accommodate the approved works as shown, subject to full implementation of the approved Landscape Plans:
- a) The *Chamaecyparis obtusa* 'Crippsii' (Golden Hinoki Cypress, T2) in the front setback, halfway across the width of the site, due to its low landscape and environmental value, as well as to accommodate the new detention basin, changes to existing ground levels and landscape works that are shown for this same area;
 - b) The row of five *Murraya*'s (T3) in the rear setback, along the southern boundary (which the survey confirms are contained wholly within the subject site), along the edge of the existing driveway, to allow for the new rear carpark in this same area as shown;
 - c) The variety of small trees/shrubs to the north of 'b' above, around the rear of the existing dwelling and into the northwest site corner, as all are exempt from Council's DCP due to a combination of either their small size or being undesirable environmental weeds, including from south to north, a *Peach Tree* (T13), a grove of *Banana*'s (T12), and a *Ligustrum sinense* (Large Leafed Privet, T11), which are also all in direct conflict with the expanded footprint and new carpark area in this same area as shown.

Pruning

55. Permission is also granted for the following:
- i) The minimal and selective pruning of only those lower growing, lower order branches from the northern aspects of the two *Syzygium paniculatum* (Magenta Cherry's, T3-4) that are both located beyond the southwest site corner, wholly on the adjoining private property at 4 Ada Street, only where they overhang the common boundary, into the subject site and need to be pruned in order to avoid damage to the trees; or; interference during demolition of the existing free-standing shed and associated masonry retaining walls in this area;
 - ii) The one lower lateral primary limb from T6, that is growing to the east, back to the main trunk, as detailed in part 9.1.6, and Plate 2 of the Arborist Report;
 - iii) The one lower lateral primary limb from T7, that is extending to the south, over the existing carport, back to the main trunk, as detailed in section 9.1.17 and Plate 3 of the Arborists Report;
 - iv) Any overhanging branches from the southern aspects of the four weed trees, *Celtis sinensis* (Chinese Hackberry's, T9, 9a, 10 & 11), which are located wholly on the adjoining School grounds to the north, only where needed to provide clearance off the new carpark area;
 - v) Any dead/dying fronds from the *Phoenix canariensis* (Canary Island Date Palm, T8) that is located centrally in the rear setback of the subject site, and in order to prevent introduction or transfer of the harmful plant pathogen, *Fusarium sp* (to which this species of palm is particularly susceptible), any pruning tools or similar that will come into direct contact with the palm must firstly be disinfected and sterilised, prior to commencement, by soaking for **5 minutes** in the following mixture:
 - 50% household bleach or 5% quaternary ammonium; then;

- Rinsing affected equipment with clean water and/or 70% alcohol to remove disinfectant.
56. These approvals do not imply any right of entry onto a neighbouring property nor does it allow pruning beyond a common boundary; however, where such measures are desirable in the best interests of correct pruning procedures, and ultimately, the ongoing health of these trees, the applicant must negotiate with the neighbour/tree owner for access to perform this work.
 57. All pruning can only be undertaken by a Practising Arborist who holds a minimum of AQF Level III in Arboriculture, to the requirements of Australian Standard AS 4373-2007 'Pruning of Amenity Trees,' and NSW Work Cover Code of Practice for the Amenity Tree Industry (1998).
 58. The Project Arborist must also contact Council's Landscape Development Officer on 9093-6613 (giving at least 2 working days-notice) to arrange a joint site meeting, prior to pruning T6, T7 & T8, to determine the exact location and extent of pruning that is permissible, with the Arborist required to comply with any instructions issued by Council.

REQUIREMENTS PRIOR TO THE ISSUE OF AN OCCUPATION CERTIFICATE

The following conditions of consent must be complied with prior to the '*Principal Certifying Authority*' issuing an '*Occupation Certificate*'.

Note: For the purpose of this consent, any reference to 'occupation certificate' shall also be taken to mean 'interim occupation certificate' unless otherwise stated.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000*, Council's development consent and to maintain reasonable levels of public health, safety and amenity.

Occupation Certificate Requirements

59. An Occupation Certificate must be obtained from the Principal Certifying Authority prior to any occupation of the building work encompassed in this development consent (including alterations and additions to existing buildings), in accordance with the relevant provisions of the *Environmental Planning & Assessment Act 1979*.

BASIX Requirements

60. In accordance with Clause 154B of the *Environmental Planning & Assessment Regulation 2000*, a Certifying Authority must not issue an Occupation Certificate for this development, unless it is satisfied that each of the required BASIX commitments have been fulfilled.

Relevant documentary evidence of compliance with the BASIX commitments is to be forwarded to the Council upon issuing an Occupation Certificate.

Street and/or Sub-Address Numbering

61. Street numbering must be provided to the front of the premises in a prominent position, in accordance with the Australia Post guidelines and AS/NZS 4819 (2003) to the satisfaction of Council.

If this application results in an additional lot, dwelling or unit, an application must be submitted to and approved by Council's Director of City Planning, together with the required fee, for the allocation of appropriate street and/or unit numbers for

the development. The street and/or unit numbers must be allocated prior to the issue of an occupation certificate.

Please note: any Street or Sub-Address Numbering provided by an applicant on plans, which have been stamped as approved by Council are not to be interpreted as endorsed, approved by, or to the satisfaction of Council.

Council's Infrastructure, Vehicular Crossings & Road Openings

62. The owner/developer must meet the full cost for a Council approved contractor to:
 - a) Re/construct a 1.3m wide concrete footpath along the full site frontage. Any unpaved areas on the nature strip must be turfed and landscaped to Council's specification.
63. Prior to issuing a final occupation certificate or occupation of the development (whichever is sooner), the owner/developer must meet the full cost for Council or a Council approved contractor to repair/replace any damaged sections of Council's footpath, kerb & gutter, nature strip etc which are due to building works being carried out at the above site. This includes the removal of cement slurry from Council's footpath and roadway.
64. All external civil work to be carried out on Council property (including the installation and repair of roads, footpaths, vehicular crossings, kerb and guttering and drainage works), must be carried out in accordance with Council's "Crossings and Entrances – Contributions Policy" and "Residents' Requests for Special Verge Crossings Policy" and the following requirements:
 - a) Details of the proposed civil works to be carried out on Council land must be submitted to Council in a Civil Works Application Form. Council will respond, typically within 4 weeks, with a letter of approval outlining conditions for working on Council land, associated fees and workmanship bonds. Council will also provide details of the approved works including specifications and construction details.
 - b) Works on Council land, must not commence until the written letter of approval has been obtained from Council and heavy construction works within the property are complete. The work must be carried out in accordance with the conditions of development consent, Council's conditions for working on Council land, design details and payment of the fees and bonds outlined in the letter of approval.
 - c) The civil works must be completed in accordance with the above, prior to the issuing of an occupation certificate for the development, or as otherwise approved by Council in writing.

Service Authorities - Sydney Water

65. A compliance certificate must be obtained from Sydney Water, under Section 73 of the Sydney Water Act 1994. Sydney Water's assessment will determine the availability of water and sewer services, which may require extension, adjustment or connection to their mains, and if required, will issue a Notice of Requirements letter detailing all requirements that must be met. Applications can be made either directly to Sydney Water or through a Sydney Water accredited Water Servicing Coordinator (WSC).

Go to sydneywater.com.au/section73 or call 1300 082 746 to learn more about applying through an authorised WSC or Sydney Water.

The Section 73 Certificate must be submitted to the Principal Certifying Authority and the Council **prior to issuing an *Occupation Certificate***.

Stormwater Drainage

66. A "restriction on the use of land" and "positive covenant" (under section 88E of the Conveyancing Act 1919) shall be placed on the title of the subject property to ensure that the onsite detention/infiltration system is maintained and that no works which could affect the design function of the detention/infiltration system are undertaken without the prior consent (in writing) from Council. Such restriction and positive covenant shall not be released, varied or modified without the consent of the Council.

Notes:

- a. The "restriction on the use of land" and "positive covenant" are to be to the satisfaction of Council. A copy of Council's standard wording/layout for the restriction and positive covenant may be obtained from Council's Development Engineer.
 - b. The works as executed drainage plan and hydraulic certification must be submitted to Council prior to the "restriction on the use of land" and "positive covenant" being executed by Council.
67. A works-as-executed drainage plan prepared by a registered surveyor and approved by a suitably qualified and experienced hydraulic consultant/engineer must be forwarded to the Principal Certifying Authority and the Council. The works-as-executed plan must include the following details (as applicable):
- The location of any detention basin/s with finished surface levels;
 - Finished site contours at 0.2 metre intervals;
 - Volume of storage available in any detention areas;
 - The location, diameter, gradient and material (i.e. PVC, RC etc) of all stormwater pipes;
 - The orifice size/s (if applicable);
 - Details of any infiltration/absorption systems; and
 - Details of any pumping systems installed (including wet well volumes).
68. The applicant shall submit to the Principal Certifying Authority (PCA) and Council, certification from a suitably qualified and experienced Hydraulic Engineer, which confirms that the design and construction of the stormwater drainage system complies with the Building Code of Australia, Australian Standard AS3500.3:2003 (Plumbing & Drainage- Stormwater Drainage) and conditions of this development consent.

The certification must be provided following inspection/s of the site stormwater drainage system by the Hydraulic Engineers to the satisfaction of the PCA.

69. The applicant shall submit to the Principal Certifying Authority (PCA) and Council certification from a suitably qualified and experienced professional engineer, confirming that the walls of the basement have been fully tanked and waterproofed to prevent the entry of all groundwater in the basement level/s and that any required sub-soil drainage systems have been provided in accordance with the conditions of this consent. There must be no dry weather seepage/groundwater flows discharging to Council's street gutter/ or underground drainage system.

Landscaping

70. Prior to issuing any Final Occupation Certificate, certification from a qualified professional in the landscape/horticultural industry must be submitted to, and be approved by, the PCA, confirming the date that the completed landscaping was

inspected, and that it has been installed substantially in accordance with the Landscape Plans by Greenplan, dwg's LSDA-201-202, issue B; and dwg's 301 - 304, issue A, all dated 13/06/18.

71. Suitable strategies shall be implemented to ensure that the landscaping is maintained in a healthy and vigorous state until maturity, for the life of the development.
72. The nature-strip upon Council's footway shall be re-graded and re-turfed with Kikuyu Turf rolls, including turf underlay, wholly at the applicant's cost, to Council's satisfaction, prior to the issue of any Occupation Certificate.

Tree Protection Certification

73. Prior to the PCA issuing any Occupation Certificate, written certification must firstly be obtained from Council's Landscape Development Officer (9093-6613) confirming that the requirement for a joint site inspection of the carpark area was performed, in accordance with the Tree Protection Measures condition, and that any other instructions issued on-site were complied with during the course of works.

Site Arborist Certification

74. Prior to the issue of any Occupation Certificate, the Project Arborist must submit to, and have approved by, the PCA, written certification which confirms compliance with the conditions of consent, Recommended Tree Protection Measures from the Arborists Report; disinfecting and sterilizing of equipment used for pruning T8; as well as the dates of attendance and works performed/supervised relating to the retention of T4, 5, 6, 7 & 8.

Waste Management

75. Prior to the occupation of the development, the owner or applicant is required to contact Council's City Services department, to make the necessary arrangements for the provision of waste services for the premises.
76. The waste storage areas shall be clearly signposted.

OPERATIONAL CONDITIONS

The following operational conditions must be complied with at all times, throughout the use and operation of the development.

These conditions have been applied to satisfy the relevant requirements of the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000*, Council's development consent and to maintain reasonable levels of public health and environmental amenity.

External Lighting

77. External lighting to the premises must be designed and located so as to minimise light-spill beyond the property boundary or cause a public nuisance.

Plant & Equipment

78. Noise from the operation of all plant and equipment upon the premises shall not give rise to an 'offensive noise' as defined in the *Protection of the Environment Operations Act 1997 and Regulations*.

In this regard, the operation of the plant and equipment shall not give rise to an $L_{Aeq, 15 \text{ min}}$ sound pressure level at any affected premises that exceeds the background $L_{A90, 15 \text{ min}}$ noise level, measured in the absence of the noise source/s under consideration by more than 5dB(A) in accordance with relevant NSW Office of Environment & Heritage (EPA) Noise Control Guidelines.

Air Conditioners

79. Air conditioning plant and equipment shall not be operated during the following hours if the noise emitted can be heard within a habitable room in any other residential premises, or, as otherwise specified in relevant Noise Control Regulations:
- before 8.00am or after 10.00pm on any Saturday, Sunday or public holiday; or
 - before 7.00am or after 10.00pm on any other day.

Rainwater Tanks

80. The operation of plant and equipment associated with rainwater tanks are to be restricted to the following hours if the noise emitted can be heard within a habitable room in any other residential premises:
- before 8.00am or after 8.00pm on weekends or public holiday; or
 - before 7.00am or after 8.00pm on weekdays.

Cars in Right-of-way

81. Cars are not permitted to remain parked within the right-of-way.

Stormwater Detention/Infiltration System

82. The detention area/infiltration system must be regularly cleaned and maintained to ensure it functions as required by the design.

Residential Parking Permits

83. All prospective owners and tenants of the building must be notified that Council will not issue any residential parking permits to occupants/tenants of this development.
84. A notice shall be placed in the foyer/common areas of the building advising tenants/occupiers that they are in a building which does not qualify for on-street resident parking permits.

ADVISORY NOTES

The following information is provided for your assistance to ensure compliance with the *Environmental Planning & Assessment Act 1979*, *Environmental Planning & Assessment Regulation 2000*, or other relevant legislation and Council's policies. This information does not form part of the conditions of development consent pursuant to Section 4.17 of the Act.

- A1 The requirements and provisions of the *Environmental Planning & Assessment Act 1979* and *Environmental Planning & Assessment Regulation 2000*, must be fully complied with at all times.

Failure to comply with these requirements is an offence, which renders the responsible person liable to a maximum penalty of \$1.1 million. Alternatively, Council may issue a penalty infringement notice (for up to \$3,000) for each offence. Council may also issue notices and orders to demolish unauthorised or non-complying building work, or to comply with the requirements of Council's development consent.

- A2 This determination does not include an assessment of the proposed works under the Building Code of Australia (BCA) and other relevant Standards. All new

building work (including alterations and additions) must comply with the BCA and relevant Standards and you are advised to liaise with your architect, engineer and building consultant prior to lodgement of your construction certificate.

A3 In accordance with the requirements of the *Environmental Planning & Assessment Act 1979*, building works, including associated demolition and excavation works (as applicable) must not be commenced until:

- A *Construction Certificate* has been obtained from an Accredited Certifier or Council,
- An Accredited Certifier or Council has been appointed as the *Principal Certifying Authority* for the development,
- Council and the Principal Certifying Authority have been given at least 2 days notice (in writing) prior to commencing any works.

A4 Council can issue your *Construction Certificate* and be your *Principal Certifying Authority* for the development, to undertake inspections and ensure compliance with the development consent and relevant building regulations. For further details contact Council on 9093 6944.

A5 A Local Approval application must be submitted to and be approved by Council prior to commencing any of the following activities on a footpath, road, nature strip or in any public place:

- Install or erect any site fencing, hoardings or site structures
- Operate a crane or hoist goods or materials over a footpath or road
- Placement of a waste skip or any other container or article.

For further information please contact Council on 9093 6971.

A6 Specific details of the location of the building/s should be provided in the Construction Certificate to demonstrate that the proposed building work will not encroach onto the adjoining properties, Council's road reserve or any public place.

A7 Prior to commencing any works, the owner/builder should contact *Dial Before You Dig* on 1100 or www.dialbeforeyoudig.com.au and relevant Service Authorities, for information on potential underground pipes and cables within the vicinity of the development site.

A8 This consent does not authorise any trespass or encroachment upon any adjoining or supported land or building whether private or public. Where any underpinning, shoring, soil anchoring (temporary or permanent) or the like is proposed to be carried out upon any adjoining or supported land, the land owner or principal contractor must obtain:

- the consent of the owners of such adjoining or supported land to trespass or encroach, or
- an access order under the *Access to Neighbouring Land Act 2000*, or
- an easement under section 88K of the *Conveyancing Act 1919*, or
- an easement under section 40 of the *Land & Environment Court Act 1979*, as appropriate.

Section 177 of the *Conveyancing Act 1919* creates a statutory duty of care in relation to support of land. Accordingly, a person has a duty of care not to do anything on or in relation to land being developed (the supporting land) that removes the support provided by the supporting land to any other adjoining land (the supported land).

- A9 The applicant is to advise Council in writing and/or photographs of any signs of existing damage to the Council roadway, footway, or verge prior to the commencement of any building/demolition works.
- A10 Further information and details on Council's requirements for trees on development sites can be obtained from the recently adopted Tree Technical Manual, which can be downloaded from Council's website at the following link, <http://www.randwick.nsw.gov.au> - Looking after our environment – Trees – Tree Management Technical Manual; which aims to achieve consistency of approach and compliance with appropriate standards and best practice guidelines.