

PENRITH CITY COUNCIL

NOTICE OF DETERMINATION

DESCRIPTION OF DEVELOPMENT

Application number:	DA21/0460
Description of development:	Additions and Alterations to the Existing Dwelling
Classification of development:	Class 1a

DETAILS OF THE LAND TO BE DEVELOPED

Legal description:	Lot 119 DP 803478
Property address:	2 - 10 The Appian Way, MOUNT VERNON NSW 2178

DETAILS OF THE APPLICANT

Name & Address:	Dinastia Group Level 15 60 Station Street EAST PARRAMATTA NSW 2150
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DECISION OF CONSENT AUTHORITY

In accordance with Section 4.18(1) (a) of the Environmental Planning and Assessment Act 1979, consent is granted subject to the conditions listed in attachment 1.

Please note that this consent will lapse on the expiry date unless the development has commenced in that time.

Date from which consent operates	6 August 2021
Date the consent expires	6 August 2026
Date of this decision	6 August 2021

POINT OF CONTACT

If you have any questions regarding this determination you should contact:

Assessing Officer:	Matthew Warbrick
Contact telephone number:	+612 4732 8621

NOTES

Reasons

The conditions in the attached schedule have been imposed in accordance with Section 4.17 of the Environmental Planning and Assessment Act 1979 as amended.

Conditions

Your attention is drawn to the attached conditions of consent in attachment 1.

Certification and advisory notes

You should also check if this type of development requires a construction certificate in addition to this development consent.

It is recommended that you read any Advisory Note enclosed with this notice of determination.

Review of determination

The applicant may request Council to review its determination pursuant to Division 8.2 of the Environmental Planning and Assessment Act 1979 within twelve months of receiving this Notice of Determination.

These provisions do not apply to designated development, complying development or crown development pursuant to Section 8.2(2) of the Environmental Planning and Assessment Act 1979.

Appeals in the Land and Environment Court

The applicant can appeal against this decision in the Land and Environment Court within twelve months of receiving this Notice of Determination.

There is no right of appeal to a decision of the Independent Planning Commission or matters relating to a complying development certificate pursuant to clause 8.6(3) of the Environmental Planning and Assessment Act 1979.

Designated development

If the application was for designated development and a written objection was made in respect to the application, the objector can appeal against this decision to the Land and Environment Court within 56 days after the date of this notice.

If the applicant appeals against this decision, objector(s) will be given a notice of the appeal and the objector(s) can apply to the Land and Environment Court within 56 days after the date of this appeal notice to attend the appeal and make submissions at that appeal.

Sydney Western City Planning Panels

If the application was decided by the Sydney Western City Planning Panel, please refer to Section 2.16 of the Environmental Planning and Assessment Act, 1979 (as amended) for any further regulations.

ATTACHMENT 1: CONDITIONS OF CONSENT

General

- 1 The development must be implemented substantially in accordance with the plans listed in the table below and stamped approved by Council, the application form, and any supporting information received with the application, except as may be amended in red on the attached plans and by the following conditions.

Plan Type	Page No	Rev	Date	Drawn by
Existing Site	0.1	4	04/08/21	Dinastia
Demolition	1.0 & 1.1	3	07/06/21	
Stormwater	2.0	3	07/06/21	
Proposed Site	3.0	4	04/08/21	
Ground Floor	3.1	4	04/08/21	
First Floor	3.2	3	07/06/21	
Elevations	3.4	5	04/08/21	
Elevations	3.5	4	04/08/21	
Section	3.8	4	04/08/21	

- BASIX – A417907
- Aircraft Noise Impact Assessment, prepared by Rodney Stevens Acoustics, Report No 210231R1, Rev 0 (Pages 1 – 12), dated 25th May 2021
- Bushfire Assessment Report, Prepared by Scott Jarvis, Ref 79BA – 2080 and dated 7th June 2021

- 2 The work must be carried out in accordance with the requirements of the Building Code of Australia. If the work relates to a residential building and is valued in excess of \$20,000, then a contract of insurance for the residential development shall be in force in accordance with Part 6 of the Home Building Act 1989.

{Note: Residential building includes alterations and additions to a dwelling, and structures associated with a dwelling house/dwelling such as a carport, garage, shed, rural shed, swimming pool and the like}.

- 3 **The development shall not be used or occupied until an Occupation Certificate has been issued.**
- 4 A **Construction Certificate** shall be obtained prior to commencement of any building works.
- 5 The building shall be constructed in accordance with the provisions of "Planning for Bushfire Protection" November 2019, and to BAL- Low construction under AS3959-2018 "Construction of buildings in bushfire-prone areas.

Demolition

- 6 All demolition works are to be conducted in accordance with the provisions of AS 2601-1991 "The Demolition of Structures". **Prior to demolition**, all services shall be suitably disconnected and capped off or sealed to the satisfaction of the relevant service authority requirements.

All demolition and excavated material shall be disposed of at a Council approved site or waste facility. Details of the proposed disposal location(s) of all excavated material from the development site shall be provided to the Principal Certifying Authority **prior to commencement of demolition**.

- 7 **Prior to commencement of demolition works on site**, a portaloo with appropriate washing facilities shall be located on the site and the Principal Certifying Authority is to be satisfied that:

- Measures are in place so as to comply with the WorkCover Authority's "Short Guide to Working with Asbestos Cement" and
- The person employed to undertake the works is a licensed asbestos removal contractor and is holder of a current WorkCover Asbestos Licence.

Any demolition works involving the removal of all asbestos shall only be carried out by a licensed asbestos removal contractor who has a current WorkCover Asbestos Licence.

All asbestos laden waste, including asbestos cement flat and corrugated sheeting must be disposed of at a tipping facility licensed by the Environmental Protection Authority to receive asbestos wastes.

- 8 Dust suppression techniques are to be employed during demolition and construction to reduce any potential nuisances to surrounding properties.
- 9 Mud and soil from vehicular movements to and from the site must not be deposited on the road.
- 10 Demolition works will be restricted to the following hours in accordance with the NSW Environment Protection Authority Noise Control Guidelines:
- Mondays to Fridays, 7am to 6pm
 - Saturdays, 7am to 1pm (if inaudible on neighbouring residential premises), otherwise 8am to 1pm
 - No demolition work is permitted on Sundays and Public Holidays.
- In the event that the demolition relates to works inside the building and do not involve external walls or the roof, and do not involve the use of equipment that emits noise then the demolition works are not restricted to the hours stated above.

The provisions of the Protection of the Environment Operations Act, 1997 in regulating offensive noise also apply to all construction works.

Environmental Matters

- 11 Erosion and sediment control measures shall be installed **prior to the commencement of works on site** including approved clearing of site vegetation. The erosion and sediment control measures are to be maintained in accordance with the approved erosion and sediment control plan(s) for the development.

The approved sediment and erosion control measures are to be installed **prior to and maintained throughout the construction phase of the development until the land, that was subject to the works, have been stabilised and grass cover established**. These measures shall ensure that mud and soil from vehicular movements to and from the site does not occur during the construction of the development.

- 12 No fill material is to be imported to the site without the prior approval of Penrith City Council in accordance with Sydney Regional Environmental Plan No.20 (Hawkesbury- Nepean River) (No.2-1997). No recycling of material for use as fill material shall be carried out on the site without the prior approval of Council.

- 13 No fill material shall be imported to the site until such time as a Validation Certificate(with a copy of any report forming the basis for the validation) for the fill material has been submitted to, considered and approved by Council. The Validation Certificate shall:

- state the legal property description of the fill material source site,
- be prepared by an appropriately qualified person (as defined in Penrith Contaminated Land Development Control Plan) with consideration of all relevant guidelines (e.g. EPA, ANZECC, NH&MRC), standards, planning instruments and legislation,
- clearly indicate the legal property description of the fill material source site,
- provide details of the volume of fill material to be used in the filling operations,
- provide a classification of the fill material to be imported to the site in accordance with the Environment Protection Authority's "Environmental Guidelines: Assessment, Classification & Management of Non-Liquid Wastes" 1997, and
- (based on the fill classification) determine whether the fill material is suitable for its intended purpose and land use and whether the fill material will or will not pose an unacceptable risk to human health or the environment.

{Note: Penrith Contaminated Land Development Control Plan defines an appropriately qualified person as "a person who, in the opinion of Council, has a demonstrated experience, or access to experience in hydrology, environmental chemistry, soil science, eco-toxicology, sampling and analytical procedures, risk evaluation and remediation technologies. In addition, the person will be required to have appropriate professional indemnity and public risk insurance."}.

If the Principal Certifying Authority or Penrith City Council is not satisfied that suitable fill materials have been used on the site, further site investigations or remediation works may be requested. In these circumstances the works shall be carried out prior to any further approved works.

- 14 All waste materials stored on-site are to be contained within a designated area such as a waste bay or bin to ensure that no waste materials are allowed to enter the stormwater system or neighbouring properties. The designated waste storage areas shall provide at least two waste bays / bins so as to allow for the separation of wastes, and are to be fully enclosed when the site is unattended.
- 15 All excavated material and other wastes generated as a result of the development are to be re-used, recycled or disposed of in accordance with the approved waste management plan.

Waste materials not specified in the approved waste management plan are to be disposed of at a lawful

waste management facility. Where the disposal location or waste materials have not been identified in the waste management plan, details shall be provided to the Certifying Authority as part of the waste management documentation accompanying the Construction Certificate application.

All receipts and supporting documentation must be retained in order to verify lawful disposal of materials and are to be made available to Penrith City Council on request.

- 16 The recommendations provided in the Aircraft Noise Impact Assessment prepared by Rodney Stevens Acoustics (dated 25 May 2021, ref 210231R1, Rev 0 , Pages 1 - 12) shall be implemented and incorporated into the design and construction of the development, and shall be shown on plans accompanying the Construction Certificate application. A certificate is to be obtained from a qualified acoustic consultant certifying that the building has been constructed to meet the noise criteria in accordance with the approved acoustic report and noise control design features in accordance with the requirements of AS2021-2000 *"Acoustics–Aircraft Noise Intrusion–Building Siting and Construction"*. **These requirements include all windows being shut which may have implications on ventilation requirements under the National Construction Code (2019).**

Prior to the issue of an Occupation Certificate, a qualified acoustic consultant shall certify that the development has been constructed to meet the indoor design sound levels in accordance with the approved Assessment. The certification shall be submitted to the Principal Certifying Authority. A copy of the certification together with the Occupation Certificate shall be submitted to Penrith City Council if Council is not the Principal Certifying Authority.

- 17 The operating noise level of plant and equipment shall not exceed 5dB(A) above the background noise level when measured at the boundaries of the premises. The provisions of the Protection of the Environment Operations Act 1997 apply to the development, in terms of regulating offensive noise.

BCA Issues

- 18 All aspects of the building design shall comply with the applicable performance requirements of the Building Code of Australia so as to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the on-going benefit of the community. Compliance with the performance requirements can only be achieved by: (a) complying with the deemed to satisfy provisions, or (b) formulating an alternative solution which:
- complies with the performance requirements, or
 - is shown to be at least equivalent to the deemed to satisfy provision, or
- (c) a combination of (a) and (b)
- 19 In accordance with the requirements of clause 94 of the Environmental Planning and Assessment Regulation, you are required to install a hard wired smoke detector in the existing dwelling. This detector is to comply with the requirements of AS3786 and must be located in accordance with 3.7.5 of the Housing Provisions. A certificate from a Licensed Electrician attesting to the installation of the smoke detector is to be submitted to the Principal Certifying Authority prior to the issue of the Occupation Certificate.

Health Matters and OSSM installations

- 20 The rainwater tank must be maintained so as not to create a nuisance and it must be protected against mosquito infestation.

Construction

- 21 Stamped plans, specifications, a copy of the development consent, the Construction Certificate and any other Certificates to be relied upon shall be available on site at all times during construction.

The following details are to be displayed in a maximum of 2 signs to be erected on the site:

- the name of the Principal Certifying Authority, their address and telephone number,
- the name of the person in charge of the work site and telephone number at which that person may be contacted during work hours,
- that unauthorised entry to the work site is prohibited,
- the designated waste storage area must be covered when the site is unattended, and
- all sediment and erosion control measures shall be fully maintained until completion of the construction phase.

Signage but no more than 2 signs stating the above details is to be erected:

- at the commencement of, and for the full length of the, construction works onsite, and
- in a prominent position on the work site and in a manner that can be easily read by pedestrian traffic.

All construction signage is to be removed when the Occupation Certificate has been issued for the development.

- 22 The approved waste management plan must be implemented on-site and adhered to throughout all stages of the development including demolition, with supporting documentation / receipts retained in order to verify the recycling and disposal of materials in accordance with the approved plan.
- 23 A certificate from a qualified practising Structural Engineer attesting to the adequacy of the structure to support the anticipated loads is to be submitted for consideration and approval prior to the issue of a Construction Certificate.
- 24 The roof of the structure is to be a dull, non-reflective surface and colour. The external finishes of the dwelling are to compliment and blend with the established streetscape and amenity of the area.
- 25 The rainwater tank(s) is to be:
- erected on a self-supporting base in the approved location on the property in accordance with the stamped-approved site plans for the development,
 - structurally sound and constructed in accordance with AS/NZS 3500 1.2- 1998: National Plumbing and Drainage - Water Supply - Acceptable Solutions,
 - fully enclosed and all openings sealed to prevent access by mosquitoes,
 - fitted with a first flush device,
 - fitted with a trickle system to top up from mains water,
 - provided with an air gap, and
 - installed by a licensed plumber in accordance with Sydney Water's "Plumbing requirements Information

for rainwater tank suppliers and plumbers April 2003” and the NSW Code of Practice: Plumbing and Drainage.

Additionally, the following are to be provided:

- A back flow prevention device shall be provided at the water meter in accordance with Sydney Water requirements.
- In the event of a power failure, a back up supply of mains water shall be provided to at least one toilet in the dwelling.
- The rainwater tank(s) and associated piping is to be labelled ‘Rainwater - Not for Drinking’ in accordance with Sydney Water requirements.
- The rainwater tank and pipework is to be painted in colours matching the external finishes of the dwelling and is to be of non-reflective finish.
- The overflow for the rainwater tank is to be connected into the existing stormwater disposal system on the site.

Before a rainwater tank(s) can be used, a certificate or suitable document is to be submitted to the Principal Certifying Authority stating that the rainwater tank has been installed in accordance with the manufacturer’s specifications.

This certificate or documentation is to be provided by the licensed plumber who installed the rainwater tank on the property, and is to be submitted prior to the issue of the Occupation Certificate.

26 The catchment area (for the rainwater tank) includes the parts of the roof of the dwelling(s) from which water is collected and includes gutters. To ensure a safe supply of water:

- roof catchment areas must be kept clear of overhanging vegetation,
- gutters must have sufficient fall to downpipes to prevent pooling of water,
- overflow, discharge from bleed off pipes from roof mounted appliances such as airconditioners, hot water services and solar heaters must not discharge into the rainwater catchment area,
- for roofs containing lead based, tar based or asbestos material the tank supply must not be connected to drinking, bathing and gardening tap water outlets,
- appropriate measures must be installed to prevent foreign materials from contaminating the water which enters the rainwater tank.

27 The rainwater tank supply must not be connected to drinking and bathing water tap outlets.

28 The pump must not exceed 5dBA above ambient background noise level at the nearest residential property boundary. The provisions of the Protection of the Environment Operations Act 1997 apply to the development, in terms of regulating offensive noise.

Roads Act Requirements

29 Penrith City Council is the Roads Authority under the Roads Act 1993 responsible for approving:

- Works on the road reserve, or
- The placement of hoardings, structures, containers, waste skips etc. on the road reserve.

The application for a Construction Certificate is to accompany documentation specifying that a Roads Act application, including payment of appropriate application and Inspection fees under the Roads Act, has been sought from Penrith City Council for the following works:

(d) Replacement of vehicular crossovers.

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- All works on the road reserve including the placement of hoardings, containers, waste skips and the like on the road reserve shall be carried out in accordance with Penrith City Council's specifications.

Prior to the issue of an Occupation Certificate, Penrith City Council (being the Roads Authority under the Roads Act) shall approve the works completed on or over the road reserve. Contact Council's Asset Management Department on (02)47327777 to arrange an inspection of the works (and payment of inspection fees, if required).

Swimming Pools

30 At all times, the swimming pool is to be surrounded by a child-resistant barrier that:

- separates the swimming pool from any residential building situated on the premises and from any place (whether public or private) adjoining the premises, and
- is designed, constructed, installed and maintained in accordance with the standards prescribed by AS 1926 "Swimming Pool Safety".

31 The swimming pool must be registered on the NSW Swimming Pool Register when it is capable of holding water and before the issue of an Occupation Certificate. The swimming pool is to be registered at www.swimmingpoolregister.nsw.gov.au or in person at Penrith City Council (\$10 fee applies when registering at Council).

32 All backwash from the swimming pool shall be directed into the mains sewer.

In areas where sewer is not available, the following requirements apply -

- The swimming pool shall be provided with filtration equipment that does not require a backwash facility (eg. a cartridge filtration system).
- Overspill water shall be diverted away from the swimming pool and not directed onto adjoining properties.
- The frequency of emptying of the swimming pool water shall be minimised. Water resulting from the emptying of the pool shall be collected and disposed of by a private wastewater disposal contractor. Disposal by other means is not permitted.

Engineering

- 33 Roofwater drains shall be discharged in accordance with the approved stormwater plan.
- 34 An Infrastructure Restoration Bond is to be lodged with Penrith City Council for development involving works around Penrith City Council's Public Infrastructure Assets. The bond is to be lodged with Penrith City Council prior to commencement of any works on site or prior to the issue of any Construction Certificate, whichever occurs first. The bond and applicable fees are in accordance with Council's adopted Fees and Charges.

An application form together with an information sheet and conditions are available on Council's website.

Contact Penrith City Council's City Works Department on (02) 4732 7777 or visit Penrith City Council's website for more information.

Landscaping

- 35 No trees are to be removed, ringbarked, cut, topped or lopped or wilfully destroyed other than those within 3 metres of the proposed building footprint or as shown on the approved plans without the prior consent of Penrith City Council and in accordance with Council's Tree Preservation Order and Policy.
- 36 Existing landscaping is to be retained and maintained at all times.

Payment of Fees

- 37 Prior to the commencement of any works on site, all fees associated with Penrith City Council-owned land and infrastructure shall be paid to Council. These fees include Road Opening fees and Infrastructure Restoration fees.

Certification

- 38 Prior to the commencement of any earthworks or construction works on site, the proponent is to:
- (a) employ a Principal Certifying Authority to oversee that the said works carried out on the site are in accordance with the development consent and related Construction Certificate issued for the approved development, and with the relevant provisions of the Environmental Planning and Assessment Act and accompanying Regulation, and
 - (b) submit a Notice of Commencement to Penrith City Council.

The Principal Certifying Authority shall submit to Council an "Appointment of Principal Certifying Authority" in accordance with Section 81A of the Environmental Planning and Assessment Act 1979.

Information to accompany the Notice of Commencement

Two (2) days before any earthworks or construction/demolition works are to commence on site (including the clearing site vegetation), the proponent shall submit a "Notice of Commencement" to Council in accordance with Section 81A of the Environmental Planning and Assessment Act 1979.

- 39 An Occupation Certificate is to be obtained from the Principal Certifying Authority on completion of all works and prior to the occupation/use of the development.

The Certificate shall not be issued if any conditions of this consent, but not the conditions relating to the operation of the development, are outstanding.

A copy of the Occupation Certificate and all necessary documentation supporting the issue of the Certificate is to be submitted to Penrith City Council, if Council is not the Principal Certifying Authority.

Operation of OSSM

- 40 The on-site sewage management (OSSM) system and effluent management area shall be installed and operated in accordance with the:
- “Environmental and Health Protection Guidelines On Site Sewage Management for Single Households”
 - Australian Standards AS1547:2012,
 - Council’s On-Site Sewage Management and Greywater Reuse Policy,
 - current (at the time of installation) NSW Health Accreditation documentation,
 - the Wastewater Report prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01), and
 - the Effluent Management Area Plan prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01),
 - And, the conditions of this consent.

Prior to the issue of the ‘Approval to Operate’, a Commissioning Certificate for the OSSM system shall be provided to Penrith City Council for approval. This Certificate shall certify that the aerated wastewater treatment system (AWTS) has been installed and is operating in accordance with the conditions of its NSW Health accreditation documentation.

Prior to the issue of the Occupation Certificate and before the OSSM system can be used, an ‘Approval to Operate’ for the OSSM system is to be sought from and issued by Penrith City Council.

- 41 All wastewater generated on the site is to be diverted to an Aerated Wastewater Treatment System and be disposed of by way of semi-fixed surface spray irrigation in the approved effluent management area. The effluent management area is to be located in accordance with the stamped approved Effluent Management Plan prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01) and have a minimum area of 968m².

The system and effluent management area are to be installed and managed in accordance with the:

- “Environmental and Health Protection Guidelines On Site Sewage Management for Single Households”
- Australian Standards AS 1547:2012,
- Council’s On-Site Sewage Management and Greywater Reuse Policy,
- the Wastewater Report prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01), and
- the Effluent Management Area Plan prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01).

The system is to be utilised for a 6 bedroom dwelling or daily wastewater load of 1,050 litres in accordance with Wastewater Report prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01). Any dwelling approval on the site greater than this may require a new wastewater report for Council’s consideration.

- 42 Penrith City Council is both the consent authority and certifying authority for the installation of the On-Site Sewage Management System (OSSM). **It is your responsibility to contact Council’s Development Services Department to organise all inspections required for the installation of the system.**

In this regard, the septic tank(s) and disposal area(s) will need to be inspected on completion of the system’s installation (before backfilling occurs) and prior to its commissioning, to ensure compliance with those conditions specific to the installation of the system.

A copy of the satisfactory inspection reports carried out by Council shall be submitted to the Principal Certifying Authority if Council is not the Principal Certifying Authority.

- 43 The septic tank, drainage and irrigation lines and effluent management area shall not be altered without the prior approval of Council. In addition, the septic tank shall not be buried or covered.
- 44 All house drainage and sanitary plumbing shall be carried out in accordance with the requirements of the Plumbing and Drainage Act 2011 and the Plumbing Code of Australia.
- 45 The design of the irrigation system for the effluent management area is to be such that:
- The distribution line is to be buried from the tank to the designated disposal area.
 - The moveable irrigation line and sprinklers (including the plume from the sprinklers) situated within the disposal area can not exceed the designated boundaries of the disposal area.
 - The treated wastewater can be evenly irrigated across the entire designated disposal area, **avoiding the drip line of native trees.**
- 46 All irrigation pipework and fittings shall comply with AS2698 "Plastic Pipes and Fittings for Irrigation and Rural Applications". In this regard:
- the irrigation system is not to be connected to/not capable of connection to the mains water supply,
 - standard household fittings, soaker hoses, garden sprinklers and standard water hose fittings are not to be used,
 - all distribution lines of the irrigation system to any standpipe shall be buried to a minimum 100mm below finished surface level,
 - spray irrigation equipment connected to distribution lines shall be fixed, and
 - spray irrigation shall only use low pressure, low volume spray heads which are not capable of producing aerosols. The spray shall have a maximum plume height 400mm and a plume radius of not more than 2 metres.
- 47 There shall be no effluent runoff from the subject property to adjoining premises, public places or reserves.
- 48 A minimum of two signs shall be erected within the effluent management area. These signs are to state "RECLAIMED EFFLUENT - NOT FOR DRINKING - AVOID CONTACT". The signage shall be maintained for the term of the development.
- 49 The owner/occupier shall enter into an annual service contract with the manufacturer, distributor or other person authorised (in writing) by Penrith City Council to service the aerated septic tank(s) every three (3) months from the date of commissioning in the following manner:
- i. A three monthly service shall include a check on all mechanical, electrical and functioning parts of the aerated system including:
- the chlorinator,
 - replenishment of the disinfectant,
 - the UV disinfection unit (if required),
 - all pumps and switches,
 - the air blower, fan or air venturi,
 - the alarm system,
 - the effluent disposal area and irrigation spray outlets,
 - the slime growth on the filter media, and
 - the operation of the sludge returns system.
- ii. The following field tests are to be carried out at every service:

- free residual chlorine using DPD colorimetric or photometric method,
- pH from a sample taken from the irrigation chamber,
- dissolved oxygen from a sample taken from the final aeration or stilling chamber (although recommended) is optional.

iii. On the yearly anniversary date of the commissioning of the system, an annual service of the system shall also be carried out which includes a check on the sludge accumulation in the septic tank (primary treatment tank) and the clarifier, where appropriate.

iv. For systems which utilise the sewage treatment principle of activated sludge or contact aeration, a sludge bulking test, known as a SV30 Test, shall also be conducted on an annual basis. This test is to determine whether the accumulated sludge is bulking, indicating that the aeration compartment(s) will require desludging.

v. On completion of each service, a service report sheet is to specify all service items and test results, the amount of chlorine compound provided, parts replaced (if applicable), the date the service was conducted and the technician's name. A copy of the service report is to be:

- given to the property owner and another to the applicant (if not the same), and
- forwarded to Penrith City Council.

Each service agent shall provide a registered business office which, if unattended during business hours, is provided with a telephone answering device or service. A means of reporting a malfunction or breakdown outside normal business hours shall be available. In the event of a breakdown or malfunction, the service agent shall, within 24 hours of the breakdown or malfunction, ensure that temporary repairs are carried out to the aerated system to ensure continued operation of the system. This may necessitate provision of adequate spare parts and temporary replacement blowers and irrigation pumps where repairs cannot be completed on site.

- 50 **Prior to the commencement of works on site**, the applicant is to provide to Council in writing, documentation stating whether the existing Aerated Wastewater Treatment System is to be restored to a satisfactory condition or if the existing system is to be decommissioned and a new replacement system installed, as per the recommendations in the Wastewater Report prepared by Broadcrest Consulting Pty Ltd (dated 24 June 2021, ref 1206-WW-A-01).

If the existing system is to be retained and repaired, **prior to the issue of the Construction Certificate**, the applicant is to provide Penrith City Council with a copy of a licensed plumber's/service agent's report that outlines the cause of the system failure, determine whether the system can be repaired and confirm the associated repair work has been completed to a state in which the system can facilitate the calculated wastewater load.

Should the existing system be decommissioned and replaced with a new system, the contents of the existing septic tank are to be removed by a licensed waste contractor and deposited to an approved waste facility. The disconnected tank shall be removed, demolished or filled with clean soil and garden lime. Documentation of the collection and disposal of waste are to be retained and provided to Council on request.

- 51 The effluent management area is to be turfed to the satisfaction of Council. Where a specific variety of turf is identified in the approved Wastewater Report that variety is to be installed and maintained.
- 52 No concreting, driveways, vehicles or any other structure or access way is to be located over any portion of the effluent management area.
- 53 All stormwater and seepage shall be diverted away from the septic tank and the disposal area. At no time is stormwater to be directed into the Aerated Wastewater Treatment System or onto the wastewater effluent disposal areas.

- 54 Orchards, vegetable gardens or any other plant species that can be used for the purposes of human consumption are not to be planted within the effluent management area. Effluent from the on-site sewage management system is not to be used on fruit or vegetables grown for human consumption.
- 55 The effluent management area shall be protected from possible stock damage.
- 56 No wastewater associated with the on-site sewage management system is to be applied or irrigated within the drip line of any native trees within the effluent management area.
It is the responsibility of the applicant to ensure the ongoing health of the trees in relation to the effluent management area.
- 57 At no time is the swimming pool back wash to be directed to the on-site sewage management system.

SIGNATURE

Name:	Matthew Warbrick
Signature:	

For the Development Services Manager