

PENRITH CITY COUNCIL

NOTICE OF DETERMINATION

DESCRIPTION OF DEVELOPMENT

Application number:	DA13/1490
Description of development:	Residential - New Second Occupancy (Detached Dual Occupancy)
Classification of development:	Class 1a

DETAILS OF THE LAND TO BE DEVELOPED

Legal description:	Lot 8 DP 227370
Property address:	169 - 175 Church Street, CASTLEREAGH NSW 2749

DETAILS OF THE APPLICANT

Name & Address:	R A Camilleri, S M Camilleri 169/175 Church Street CASTLEREAGH NSW 2749
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DECISION OF CONSENT AUTHORITY

In accordance with Section 81(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	23 April 2014
Date the consent expires	23 April 2016
Date of this decision	16 April 2014

POINT OF CONTACT

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

Assessing Officer:	Mahbub Alam
Contact telephone number:	(02) 4732 7693

NOTES

Reasons

The conditions in the attached schedule have been imposed in accordance with Section 80A 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 Section 82A of the Environmental Planning and Assessment Act 1979 within 6 months of receiving this Notice of Determination.

You cannot make this request if the development is Designated Development, Integrated Development or State Significant development or if the application was decided by a Joint Regional Planning Panel.

Appeals in the Land and Environment Court

The applicant can appeal against this decision in the Land and Environment Court within six (6) months of receiving this Notice of Determination.

You cannot appeal if a Commission of Inquiry was held for the subject development application, or if the development is a State Significant Development.

An appeal to the Land and Environment Court is made by lodging an application to the Court in accordance with the Rules of the Court.

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 28 days after the date of this notice. The objector cannot appeal if a Commission of Inquiry was held.

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 28 days after the date of this appeal notice to attend the appeal and make submissions at that appeal.

Joint Regional Planning Panels

If the application was decided by a Joint Regional Planning Panel, please refer to Section 23H 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 following plans

Drawing Title	Drawing No.	Prepared By	Dated
Floor Plan, Elevations and Section	PYR 437 (Issue A, Sheet Number 1 of 2)	Pyramid Design and Drafting	23/10/2013
Site Plan, Concept Landscape Plan and Elevations	PYR 437 (Issue B, Sheet Number 2 of 2)	Pyramid Design and Drafting	19/02/14
Colour Selection	-	-	-
BASIX Certificate	520177S	-	13 December 2013
Onsite Wastewater Management Report	REF-106313-C	Envirotech, Environmental and Engineering Consultancy Services	1 April 2014

and any supporting information received with the application, except as may be amended in red on the attached plans and by the following conditions.

- 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 carport, garage, shed, rural shed, swimming pool and the like}.

- 3 All construction works shall be in accordance with Penrith Development Control Plan-Residential Construction Works.

- 4 **The development shall not be used or occupied until an Occupation Certificate has been issued.**

- 5 The building shall not be used for commercial or industrial activities.

- 6 The dwelling shall be constructed in accordance with the provisions of the "Planning for Bushfire Protection" December 2006, and to a BAL 12.5 construction in accordance with AS3959 - 2009.

Details of construction methods shall be indicated on the plans for a Construction Certificate to demonstrate compliance.

- 7 A **Construction Certificate** shall be obtained prior to commencement of any building works.
- 8 A Waste Management Plan will be submitted and approved by Principal Certifying Authority prior to issue of a Construction Certificate.

Demolition

- 9 Dust suppression techniques are to be employed to reduce any potential nuisances to surrounding properties.
- 10 Mud and soil from vehicular movements to and from the site must not be deposited on the road.
- 11 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 work is permitted on Sundays and Public Holidays.

In the event that work inside the building and does not involve external walls or the roof, and does not involve the use of equipment that emits noise then works are not restricted to the hours stated above.

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

Heritage/Archaeological relics

- 12 If relics are discovered during construction or operation, works should cease immediately and the Heritage Branch contacted. At that time, the Heritage Branch may request an archaeological assessment before any further work can commence.

Environmental Matters

- 13 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 and the Department of Housing's "Managing Urban Stormwater: Soils and Construction" 2004.

(Note: To obtain a copy of the publication, you should contact Landcom on (02) 98418600).

- 14 All land that has been disturbed by earthworks is to be spray grassed or similarly treated to establish a grass cover.
- 15 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.

- 16 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.

- 17 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.
- 18 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.

BCA Issues

- 19 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).
- 20 The smoke alarms shall be interconnected so that the sounding of the alarm in one detector activates the alarm in all detectors.

Health Matters and OSSM installations

- 21 i. All house sewer and plumbing work shall be carried out in accordance with Sydney Water's requirements or the Local Government (Water, Sewerage and Drainage) Regulation 1993.
- ii Penrith City Council is both the consent authority and certifying authority for the installation of the On Site Sewage Management System (OSSM), otherwise known as a septic tank system. It is your responsibility to contact Council's Building Approvals and Environment Protection Department to organise all inspections required for the installation of the system. In this regard, the following will require inspection:
- All drainage lines, wastewater treatment tanks and effluent disposal systems before they are backfilled.
 - On completion of the system's installation and prior to its commissioning, ensuring 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.
- iii The wastewater treatment tanks, drainage lines and effluent disposal areas shall not be altered without the prior approval of Council.
- iv There shall be no effluent runoff from the subject property to adjoining premises, public places or reserves.
- v There shall be available all year round, adequate water supply that is available to the property.

Utility Services

- 22 A Section 73 Compliance Certificate under the Sydney Water Act 1994 shall be obtained from Sydney Water. The application must be made through an authorised Water Servicing Coordinator. Please refer to “Your Business” section of Sydney Water’s website at www.sydneywater.com.au then the “e-developer” icon, or telephone 13 20 92.

The Section 73 Compliance Certificate must be submitted to the Principal Certifying Authority before an Occupation Certificate is issued for the development.

- 23 Prior to the issue of a Construction Certificate, a written clearance is to be obtained from Endeavour Energy stating that electrical services have been made available to the development or that arrangements have been entered into for the provision of services to the development.

In the event that a pad mounted substation is necessary to service the development, Penrith City Council shall be consulted over the proposed location of the substation before the Construction Certificate for the development is issued as the location of the substation may impact on other services and building, driveway or landscape design already approved by Council.

Construction

- 24 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 are 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.

25 Prior to the commencement of construction works:

(a) Toilet facilities at or in the vicinity of the work site shall be provided at the rate of one toilet for every 20 persons or part of 20 persons employed at the site. Each toilet provided must be:

- a standard flushing toilet connected to a public sewer, or
- if that is not practicable, an accredited sewage management facility approved by the council, or
- alternatively, any other sewage management facility approved by council.

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

(c) If an excavation associated with the erection or demolition of a building extends below the level of the base of the footings of a building on an adjoining allotment of land, the person causing the excavation to be made:

- must preserve and protect the building from damage, and
- if necessary, must underpin and support the building in an approved manner, and
- must, at least 7 days before excavating below the level of the base of the footings of a building on an adjoining allotment of land, give notice of intention to do so to the owner of the adjoining allotment of land and furnish particulars of the excavation to the owner of the building being erected or demolished. The owner of the adjoining allotment of land is not liable for any part of the cost of work carried out for the purposes of this condition, whether carried out on the allotment of land being excavated or on the adjoining allotment of land, (includes a public road and any other public place).

(d) If the work involved in the erection or demolition of a building is likely to cause pedestrian or vehicular traffic in a public place to be obstructed or rendered inconvenient, or involves the enclosure of a public place, a hoarding or fence must be erected between the work site and the public place:

- if necessary, an awning is to be erected, sufficient to prevent any substance from, or in connection with, the work falling into the public place,
- the work site must be kept lit between sunset and sunrise if it is likely to be hazardous to persons in the public place, and
- any such hoarding, fence or awning is to be removed when the work has been completed.

26 Residential slabs and footings shall be designed and certified by a qualified practising Structural Engineer or a suitably qualified person in accordance with the requirements of AS2870-1996 "Residential Slabs and Footings". Details are to be provided for consideration and approval prior to the issue of a Construction Certificate.

27 Details of the proposed termite management system shall be submitted for consideration and approval prior to the issue of a Construction Certificate. Council recommends that consideration be given to protection against subterranean termites in situations where termite resistant construction is used.

28 Glass installations within the building shall comply with AS 1288 and the Building Code of Australia. On completion of the glass installation, a report shall be submitted certifying compliance with AS 1288.

29 Construction works or subdivision works that are carried out in accordance with an approved consent that involve the use of heavy vehicles, heavy machinery and other equipment likely to cause offence to adjoining properties shall 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 work is permitted on Sundays and Public Holidays.

Other construction works carried out inside a building/tenancy and do not involve the use of equipment that emits noise are not restricted to the construction hours stated above.

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

30 All timber frame work shall comply with AS1684-1999 "Residential Timber-Framed Construction."

Engineering

31 **Prior to the issue of a Construction Certificate**, a Roads Act application, including payment of application and inspection fees shall be lodged with Penrith City Council, as the Roads Authority, for the following works:

- a) Provision of a vehicular crossing.
- b) Opening the road reserve for the provision of services including stormwater.

All works within the road reserve shall be carried out in accordance with Penrith City Council's Design Guidelines and Construction Specification for Civil Works.

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 **City Works Department** on (02) 4732 7777 to arrange an inspection of the works (and payment of inspection fees, if required).

32 Stormwater drainage from the site shall be discharged to:

- a A level spreader system

The proposed development and stormwater drainage system shall be designed to ensure no adverse impact on adjoining properties by the diversion, damming or concentration of stormwater flows.

The proposed method of stormwater discharge shall be detailed in the Construction Certificate issued by the Certifying Authority.

33 **Prior to the issue of an Occupation Certificate**, the Principal Certifying Authority shall ensure that all works within the road reserve have been inspected and approved by Penrith City Council.

Landscaping

34 All landscape works are to be constructed in accordance with the stamped approved plan and Penrith Council's Development Control Plan 2006.

Landscaping shall be maintained:

- in accordance with the approved plan, and
- in a healthy state, and in perpetuity by the existing or future owners and occupiers of the property.

If any of the vegetation comprising that landscaping dies or is removed, it is to be replaced with vegetation of the same species and, to the greatest extent practicable, the same maturity as the vegetation which died or was removed.

35 All landscape works are to meet industry best practice and the following relevant Australian Standards:

- AS 4419 Soils for Landscaping and Garden Use,
- AS 4454 Composts, Soil Conditioners and Mulches, and
- AS 4373 Pruning of Amenity Trees.

36 No trees are to be removed, ringbarked, cut, topped or lopped or wilfully destroyed (other than those within 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.

37 Existing landscaping is to be retained and maintained at all times.

Section 94

38 This condition is imposed in accordance with Penrith City Council's Section 94 Contributions Plan(s) for **Cultural Facilities**. Based on the current rates detailed in the accompanying schedule attached to this Notice, **\$399.00** is to be paid to Council **prior to a Construction Certificate being issued for this development** (the rates are subject to quarterly reviews). If not paid within the current quarterly period, this contribution will be reviewed at the time of payment in accordance with the adopted Section 94 plan. The projected rates of this contribution amount are listed in Council's Fees and Charges Schedule.

Council should be contacted prior to payment to ascertain the rate for the current quarterly period. The S94 invoice accompanying this consent should accompany the contribution payment.

The Section 94 Contributions Plan for Cultural Facilities may be inspected at Council's Civic Centre, 601 High Street, Penrith.

39 This condition is imposed in accordance with Penrith City Council's Section 94 Contributions Plan(s) for **District Open Space**. Based on the current rates detailed in the accompanying schedule attached to this Notice, **\$5,571.00** is to be paid to Council **prior to a Construction Certificate being issued for this development** (the rates are subject to quarterly reviews). If not paid within the current quarterly period, this contribution will be reviewed at the time of payment in accordance with the adopted Section 94 plan. The projected rates of this contribution amount are listed in Council's Fees and Charges Schedule.

Council should be contacted prior to payment to ascertain the rate for the current quarterly period. The S94 invoice accompanying this consent should accompany the contribution payment.

The Section 94 Contributions Plan for District Open space may be inspected at Council's Civic Centre, 601 High Street, Penrith.

40 This condition is imposed in accordance with Penrith City Council's Section 94 Contributions Plan(s) for **Local Open Space**. Based on the current rates detailed in the accompanying schedule attached to this Notice, **\$2,015.00** is to be paid to Council **prior to a Construction Certificate being issued for this development** (the rates are subject to quarterly reviews). If not paid within the current quarterly period, this contribution will be reviewed at the time of payment in accordance with the adopted Section 94 plan. The projected rates of this contribution amount are listed in Council's Fees and Charges Schedule.

Council should be contacted prior to payment to ascertain the rate for the current quarterly period. The S94 invoice accompanying this consent should accompany the contribution payment.

The Section 94 Contributions Plan for Local open space may be inspected at Council's Civic Centre, 601 High Street, Penrith.

Payment of Fees

41 All roadworks, dedications and drainage works are to be carried out at the applicant's cost.

42 An Infrastructure Restoration Bond is to be lodged with Penrith City Council for development involving works around Council's Public Infrastructure Assets. The bond is to be lodged with Council **prior to the issue of a Construction Certificate**. The bond is based upon the estimated value of the works with a bond of **\$2,500** payable for the subject development.

The bond is refundable once a final inspection has been carried out by Council's Works Department and the works have been completed to Council's satisfaction. The bond may be used to repair or reinstate any damage that occurs to Council's Public Infrastructure Assets as a result of the development works.

Contact Council's City Works Department on 4732 7777 or visit website to obtain the form and request for final inspection.

Certification

- 43 The commitments listed in the BASIX Certificate for the dwelling, and forms part of the development consent, is to be maintained during the life of the dwelling. Where the commitments require replacement, the replacement must be identical to or is at a higher star rating to that listed in the BASIX Certificate.
- 44 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.

Operation of OSSM

- 45 Except as provided for by the conditions for this consent the on-site sewage management (OSSM) system shall be installed and operated in accordance with the recommendations contained in the Wastewater Report (prepared by EnviroTech dated 1 April 2014, ref.106313-C), and the conditions of this consent.

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.

46 Wastewater generated by the residence proposed to be constructed on the site is to be diverted to an Ultra Clear ST10 aerated wastewater treatment system installed to specifically treat all wastewater from the proposed residence.

The effluent from both the proposed and the existing residences is to be disposed of by way of sub-surface drip irrigation in approved effluent management areas.

The effluent management areas are to be located in accordance with an Effluent Management Area Plan (Installation Plan) specifically approved for the purposes of this condition by Penrith Council.

The applicant shall arrange for the preparation and then the presentation of the Effluent Management Area plan (Installation Plan), for approval, to Penrith Council.

The submitted Effluent Management Plan (Installation Plan) shall be drawn to scale and show all relevant features, with dimensions related to the size and location of effluent disposal areas specified. The Plan shall also satisfactorily demonstrate that there will be compliance with the following features:-

- a minimum area of 414 m² sub-surface drip irrigation to be installed for the existing residence.
- a minimum area of 622 m² sub-surface drip irrigation to be installed for the proposed residence.
- a minimum reserve area of 206 m² sub-surface drip irrigation to be designated for the existing residence.
- a minimum reserve area of 311 m² sub-surface drip irrigation to be designated for the proposed residence.
- compliance with the buffer distances as set out in Table 2 of Penrith City Council's On-Site Sewage Management and Grey Water Reuse Policy.
- a 20 metre buffer distance between any area used for market gardening and an area where sub-surface drip irrigation has been installed for the disposal of treated effluent.

The requirement for a twenty metre buffer distance from an area used for market gardening is not applicable with respect to a designated reserve area unless effluent disposal is implemented in the reserve area. If the reserve area is implemented for subsurface effluent disposal then any market gardening activities within 20 metres of the reserve area shall cease. If the reserve area is implemented for effluent disposal by way of spray irrigation then any market gardening activities within 40 metres of the reserve area shall cease.

The Effluent Management Plan shall be approved by Penrith Council before the Construction Certificate issues.

The on-site sewage management system, including the aerated wastewater treatment tanks and the effluent management areas 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,
- Penrith Council's On-Site Sewage Management and Greywater Reuse Policy,
- The Wastewater Report (prepared by Envirotech and dated 1 April 2014), and the Effluent Management Area Plan to be approved by Penrith Council .

The Ultra Clear ST10 aerated wastewater treatment system is to be utilised for the 5 bedroom dwelling to be constructed in accordance with the Wastewater Report (prepared by Envirotech, date 1 April 2014, ref 106313-C). Any proposed dwelling approval on the site greater than this may require a new wastewater report for Council's consideration.

47 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 following will require inspection:

- All drainage lines, treatment tanks and irrigation lines before they are backfilled.

- On completion of the system's installation and prior to its commissioning, ensuring 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.

- 48 The treatment tanks, drainage and irrigation lines and effluent management area shall not be altered without the prior approval of Council. In addition, the treatment tanks shall not be buried or covered.
- 49 All house sewer and plumbing work shall be carried out in accordance with the Plumbing Code of Australia.
- 50 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,

Sub surface -

- sub-surface drip irrigation lines are also to be installed in accordance with AS 1547:2012 and are to evenly distribute treated effluent over the designated disposal area, and
 - all subsurface drip irrigation is to be buried within a minimum of 250mm of topsoil in accordance with AS 1547:2012. Mulch is not to be used as part of the minimum top soil requirement.
- 51 There shall be no effluent runoff from the subject property to adjoining premises, public places or reserves.
- 52 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.
- 53 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:
- 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
 - all pumps and switches, the air blower, fan or air venturi
 - the alarm system,
 - the effluent disposal area and sub-surface irrigation lines and filters
 - the slime growth on the filter media, and
 - the operation of the sludge returns system.
 - The following field tests are to be carried out at every service:
 - free residual chlorine using DPD colorimetric or photometric method
 - pH of a sample taken from the irrigation chamber,
 - dissolved oxygen from a sample taken from the final aeration or stilling chamber (although recommended) is optional.
 - 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.

- 54 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.
- 55 No concreting, driveways, vehicles or any other structure or access way is to be located over any portion of the effluent management area.
- 56 All stormwater and seepage shall be diverted away from the septic tank and the disposal area by using an agricultural drain or earthen bund and dish drain.
- 57 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.
- 58 The effluent management area shall be protected from possible stock damage.
- 59 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.

SIGNATURE

Name:	Mahbub Alam
Signature:	

For the Development Services Manager