

PENRITH CITY COUNCIL

NOTICE OF DETERMINATION

DESCRIPTION OF DEVELOPMENT

Application number:	DA13/1195
Description of development:	Detached Dual Occupancy
Classification of development:	Class 1a , Class 10a

DETAILS OF THE LAND TO BE DEVELOPED

Legal description:	Lot 144 DP 32140
Property address:	144 - 150 Mt Vernon Road, MOUNT VERNON NSW 2178

DETAILS OF THE APPLICANT

Name & Address:	M Stancovici 144-150 Mt Vernon Road MOUNT VERNON NSW 2178
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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	5 Februray 2014
Date the consent expires	5 Februray 2016
Date of this decision	24 January 2014

POINT OF CONTACT

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

Assessing Officer:	Clare Aslanis
Contact telephone number:	(02) 4732 8195

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.

OTHER APPROVALS

SEPARATE APPLICATION UNDER THE LOCAL GOVERNMENT ACT 1993

1. The application to operate the On Site Sewage Management System (also known as septic tanks) submitted with the Development Application has not been issued with this consent notice. The On Site Sewage Management System is not to be used until:

- all the conditions attached to this development consent relating to the installation of the On Site Sewage Management System has been complied with, and
- the installation of the On Site Sewage Management System has been completed to Penrith City Council's satisfaction and has issued a satisfactory inspection report for the same, and
- a licence to operate the On Site Sewage Management System has been issued by Council.

Until the licence to operate the On Site Sewage Management System (system) has been issued by Council, the system cannot be used and the [dwelling cannot be occupied. / Occupation Certificate for the development shall not be issued by the Principal Certifying Authority.] Delete if not applicable

{Note: With regard to On Site Sewage Management System (system), Council is the:

- certifying authority for the installation of system, and
- consent authority for the operation of the system.}

AND

2. Before the On Site Sewage Management System (also known as septic tanks) can be used and prior to the issue of an Occupation Certificate for the development, a licence to operate the On Site Sewage Management System shall be obtained from Penrith City Council. This is required under Section 68 of the Local Government Act 1993.

ATTACHMENT 1: CONDITIONS OF CONSENT

General

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

Plans	Numbered	Drawn By	Dated
Site Plan	DA/01	Mladien Stancovici	September 2013
Floor Plan	DA/02	Mladien Stancovici	September 2013
Roof Plan	DA/03	Mladien Stancovici	September 2013
Elevations and Section Plan	DA/04	Mladien Stancovici	September 2013
Elevations and Finishes Plan	DA/05	Mladien Stancovici	September 2013

- 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 A **Construction Certificate** shall be obtained prior to commencement of any building works.

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 You should read Council's Fact Sheet titled "Handling and Disposal of Fibrous Cement Products" **before any demolition works commence on the site.**

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 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 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).

- 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 Cut and fill operations on the property are only permitted in conjunction with the building works as detailed on the approved plans and specifications, and shall not extend more than 2 metres past the defined building footprint.
- 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.

BCA Issues

- 16 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).
- 17 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

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

Utility Services

- 19 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 the "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.

- 20 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.
- 21 A completed *Permit Application for Plumbing and Drainage Work* is to be submitted to Sydney Water at least two working days before the rainwater tank is installed and associated plumbing work is started on the site.

Construction

22 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.

23 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.

24 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 AS 2870-1996 "Residential Slabs and Footings". Details are to be provided for consideration and approval prior to the issue of a Construction Certificate.

25 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.

26 The external finishes of the dwelling additions are to complement and blend with the surrounding environment and existing structures on the site.

27 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, and
- Sydney Water and NSW Health requirements.

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.

28 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.

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

30 The rainwater tank 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.

- 31 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.

Engineering

- 32 Roof water drains shall be discharged into the existing drainage system or an appropriate level spreader system.
- 33 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 \$1,000 payable for the subject development.

The bond is refundable once a final inspection has been carried out by Council's City 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 Council's website to obtain the form and request for final inspection.

Landscaping

- 34 All trees that are required to be retained as part of the development are to be protected in accordance with the minimum tree protection standards prescribed in Section F4 of Council's Landscape Development Control Plan.
- 35 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.
- 36 Existing landscaping is to be retained and maintained at all times.

Section 94

- 37 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, \$393.00 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.

- 38 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, \$5,531.00 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.

- 39 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, \$2,000.00 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

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

- 41 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

- 42 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.

- 43 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 dwelling.

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

- 44 The on-site sewage management (OSSM) system shall be installed and operated in accordance with the recommendations contained in the On-Site Wastewater Report prepared by Environtech, Reference REF-99513-A, dated 10 October 2013 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.

- 45 All wastewater generated on the site by the proposed Northern Dwelling is to be diverted to a Econocycle ENC 10-1 AWTs system type and be disposed of by way of surface irrigation in the approved effluent management area. The effluent management area is to be located in accordance with the stamped approved Effluent Management Area Plan (Envirotech, Reference REF-99513-A, dated 10 October 2013) and have a minimum area of 750m².

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 1547:2012,
- Council's On-Site Sewage Management and Greywater Reuse Policy,
- the Wastewater Report prepared by Envirotech, Reference REF-99513-A, dated 10 October 2013, and
- the Effluent Management Area Plan (Envirotech, Reference REF-99513-A, dated 10 October 2013).

The system is to be utilised for a 4 bedroom dwelling in accordance with the Wastewater Report prepared by Envirotech, Reference REF-99513-A, dated 10 October 2013. Any dwelling approval on the site greater than this may require a new wastewater report for Council's consideration.

In the event of the existing septic tank and/or absorption trench failing that currently services the existing southern dwelling onsite, all wastewater generated on the site by the existing southern dwelling is to be diverted to an Econocycle ENC 10-1 AWTs system type and be disposed of by way of surface irrigation in the approved effluent management area. The effluent management area is to be located in accordance with the stamped approved Effluent Management Area Plan (Envirotech, Reference REF-99513-A, dated 10 October 2013) and have a minimum area of 576m².

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 1547:2012,
- Council's On-Site Sewage Management and Greywater Reuse Policy,
- the Wastewater Report prepared by Envirotech, Reference REF-99513-A, dated 10 October 2013, and
- the Effluent Management Area Plan (Envirotech, Reference REF-99513-A, dated 10 October 2013).

The system is to be utilised for a 3 bedroom dwelling in accordance with the Wastewater Report, prepared by Envirotech, Reference REF-99513-A, dated 10 October 2013. Any dwelling approval on the site greater than this may require a new wastewater report for Council's consideration.

- 46 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, septic 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.

- 47 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.

48 All house sewer and plumbing work shall be carried out in accordance with the Plumbing Code of Australia.

49 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.

50 All irrigation pipework and fittings shall comply with AS 2698 "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.

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:

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,
- all pumps and switches,
- the air blower, fan or air venturi,
- the alarm system,
- the effluent disposal area
- 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.

- 54 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.
- 55 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.
- 56 No concreting, driveways, vehicles or any other structure or access way is to be located over any portion of the effluent management area.
- 57 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.
- 58 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.
- 59 The effluent management area shall be protected from possible stock damage.

60 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:	Robert Craig Principal Planner
Signature:	

For the Development Services Manager