

**FINAL DA  
PROCESSED  
AND  
SCANNED  
APPROVED**

**CONSENT NO: N0061/16**  
**ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979 (AS AMENDED)**  
**NOTICE TO APPLICANT OF DETERMINATION**  
**OF A DEVELOPMENT APPLICATION**

**Applicant's Name and Address:**

John Simmonds  
C/- Clayton Orszaczky  
PO Box 481  
Erskineville NSW 2043

Being the applicant in respect of Development Application No N0061/16

Pursuant to section 80(1) of the Act, notice is hereby given of the determination by Pittwater Council, as the consent authority, of Development Application No **N0061/16** for:

**Demolition of existing dwelling and erection of new dwelling with secondary dwelling attached, swimming pool and associated landscaping**

**At: 2075 PITTWATER ROAD, BAYVIEW NSW 2104 (Lot 3 DP 9606)**

**Decision:**

The Development Application has been determined by the granting of consent based on information provided by the applicant in support of the application, including the Statement of Environmental Effects, and in accordance with

- Architectural drawings DA 001 A, dated 3 February 2016, and DA 005 B, DA 006 C, DA 007 D, DA 008 C, DA 009 C, DA 010 C, DA 011 C, DA 012 C, DA 013 C, DA 014 C and DA 015 C, dated 1 April 2016, all prepared by Clayton Orszaczky;
- Landscape Plans LP01-2815, LP02-2815, LP03-2815, all revision C, all dated 31 January 2016, all prepared by Mariko Design;
- BASIX Certificate 700613S\_02, dated 3 February 2016;
- Geotechnical Risk Assessment Report, reference 2012-176, dated January 2016, prepared by Crozier Geotechnical Consultants;

as amended in red (shown clouded) or as modified by any conditions of this consent.

The reason for the imposition of the attached conditions is to ensure that the development consented to is carried out in such a manner as to achieve the objectives of the Environmental Planning and Assessment Act 1979 (as amended), pursuant to section 5(a) of the Act, having regard to the relevant matters for consideration contained in section 79C of the Act and the Environmental Planning Instruments applying to the land, as well as section 80A of the Act which authorises the imposing of the consent conditions.

Endorsement of date of consent 21-Apr-2016

Mark Ferguson  
GENERAL MANAGER

Per:



## Conditions of Approval

This consent is not an approval to commence building work. The works associated with this consent can only commence following the issue of the Construction Certificate.

Note: Persons having the benefit of development consent may appoint either a council or an accredited certifier as the principal certifying authority for the development or for the purpose of issuing certificates under Part 4A of the Environmental Planning and Assessment Act. When considering engaging an accredited certifier a person should contact the relevant accreditation body to ensure that the person is appropriately certified and authorised to act in respect of the development.

### A. Prescribed Conditions:

1. All works are to be carried out in accordance with the requirements of the Building Code of Australia.
2. In the case of residential building work for which the Home Building Act 1989 requires there to be a contract of insurance in force in accordance with Part 6 of that Act, that such a contract of insurance is in force before any building work authorised to be carried out by the consent commences.
3. A sign must be erected in a prominent position onsite only showing:
  - a) the name, address and telephone number of the Principal Certifying Authority for the work, and
  - b) the name of the principal contractor or the person responsible for the works and a telephone number on which that person may be contacted outside working hours, and
  - c) that unauthorised entry to the work site is prohibited.The sign must be maintained while the building work, subdivision work or demolition work is being carried out, but must be removed when the work has been completed.
4. Residential building work within the meaning of the Home Building Act 1989 must not be carried out unless the Principal Certifying Authority for the development to which the work relates (not being the Council) has given the Council written notice of the following information:
  - a) in the case of work for which a principal contractor is required to be appointed:
    - i) The name and licence number of the principal contractor, and
    - ii) The name of the insurer by which the work is insured under Part 6 of that Act.
  - b) in the case of work to be done by an owner-builder:
    - i) The name of the owner-builder, and
    - ii) If the owner-builder is required to hold an owner-builder permit under that Act, the number of the owner-builder permit.
  - c) If arrangements for doing the residential building work are changed while the work is in progress so that the information notified under a or b above becomes out of date, further work must not be carried out unless the Principal Certifying Authority for the development to which the work relates (not being the Council) has given the Council written notice of the updated information
5. If arrangements for doing the residential building work are changed while the work is in progress so that the information notified under subclause (2) becomes out of date, further work must not be carried out unless the Principal Certifying Authority for the development to which the work relates (not being the Council) has given the Council written notice of the updated information.

6. This approval/consent relates only to the new work nominated on the approved consent plans and does not approve or regularise any existing buildings or structures within the property boundaries or within Council's road reserve.

**B. Matters to be incorporated into the development and maintained over the life of the development:**

1. The spa/pool backwash and any overflow waters are to be disposed to the Sydney Water sewer.
2. Garbage bins are to be stored in a location that is not visible from the street, preferably behind the front building line.
3. This consent does not authorise the "potted plants" proposed on the eastern corner of the upper floor non-trafficable roof.
4. If any Aboriginal Engravings or Relics are unearthed all work is to cease immediately and the Aboriginal Heritage Office (AHO) and Office of Environment and Heritage (OEH) are to be notified.
5. The recommendation of the risk assessment required to manage the hazards as identified in Geotechnical Report prepared by Crozier Geotechnical Consultants dated are to be incorporated into the construction plans.
6. Prior to the completion of works, all declared noxious weeds are to be removed/controlled in accordance with the Noxious Weeds Act 1993. Environmental weeds are to be removed and controlled. Refer to Pittwater Council website [http://www.pittwater.nsw.gov.au/environment/noxious\\_weeds](http://www.pittwater.nsw.gov.au/environment/noxious_weeds) for noxious/environmental weed lists.
7. No environmental weeds are to be planted on the site. Refer to Pittwater Council website [http://www.pittwater.nsw.gov.au/environment/noxious\\_weeds](http://www.pittwater.nsw.gov.au/environment/noxious_weeds) for environmental weed lists.
8. Domestic pet animals are to be kept from entering wildlife habitat areas at all times. Dogs and cats are to be kept in an enclosed area or on a leash such that they cannot enter areas of bushland or foreshore, unrestrained, on the site or on surrounding properties or reserves. Ferrets and rabbits are to be kept in a locked hutch/run at all times.
9. Any vegetation planted onsite outside approved landscape zones is to be consistent with:
  - a) Species listed in the Ecological Sustainability Plan or Bushland Management Plan (if applicable)
  - b) Species listed from the Endangered Ecological Community
  - c) Locally native species growing onsite and/or selected from the list pertaining to the vegetation community growing in the locality as per the vegetation mapping and Native Plants for Your Garden available on the Pittwater Council website [http://www.pittwater.nsw.gov.au/environment/species\\_lists](http://www.pittwater.nsw.gov.au/environment/species_lists)
10. No building materials or other materials are to be placed on Bushland vegetation. Sediment is not to leave the site or enter areas of Bushland vegetation, and the appropriate sediment fencing is to be installed.
11. The Stormwater Harvesting and Reuse Scheme shall be installed and operated in accordance with the accepted BASIX certificate.
12. As part of the integrated stormwater management plan, suitably positioned stormwater quality improvement devices shall be installed and operated in accordance with Manufacturer's Specifications and associated operational guidelines.

13. The internal driveway finish is:
  - a) to be a stable surface for all weather conditions
  - b) to be constructed of materials that blend with the environment and are of dark or earthy tones or natural materials.
14. In accordance with Pittwater Councils DCP Control B4.22 Protection of Trees and Bushland Vegetation, all existing trees as indicated in the Survey Plan and/or approved Landscape Plan shall be retained except where Council's prior written consent has been obtained, for trees that stand within the envelope of approved development areas and removal is approved through an arborist report. For all other tree issues not related to a development application, applications must be made to Council's Tree Management Officers.
15. Pool fencing is to be designed, located and maintained in accordance with the Swimming Pools Act 1992, Regulation and Australian Standard 1926.1-2012, Safety barriers for swimming pools
16. A warning notice (resuscitation chart) and External Cardiac Compression Chart is to be affixed and maintained in a prominent location adjacent to the pool / spa.
  - a) The warning notice (i.e. sign) must contain all of the following words:
    - i) "YOUNG CHILDREN SHOULD BE SUPERVISED WHEN USING THIS SWIMMING POOL" and
    - ii) "POOL GATES MUST BE KEPT CLOSED AT ALL TIMES", and
    - iii) "KEEP ARTICLES, OBJECTS AND STRUCTURES AT LEAST 900 MILLIMETRES CLEAR OF THE POOL FENCE AT ALL TIMES",
  - b) In addition, the notice must contain a simple flow sequence (which may be the flow sequence depicted in the Cardiopulmonary Resuscitation Guideline) containing details of resuscitation techniques (for infants, children and adults):
    - i) that are set out in accordance with the relevant provisions of that Guideline, and
    - ii) that comply with the other relevant guidelines of the Australian Resuscitation Council, and
    - iii) that are illustrated by drawings with key words only in bold print,
  - c) a statement to the effect that formal instruction in resuscitation is essential,
  - d) the name of the teaching organisation or other body that published the sign and the date of its publication.
17. All sanitary drainage must be concealed in service ducts or otherwise hidden from external view to the satisfaction of the Responsible Authority.
18. All external glazing is to have a maximum reflectivity index of 25%.
19. New electrical connections are to be carried out using underground cabling.
20. Materials and colour schemes of the external facade of the development shall be as follows;
  - Walls - Concrete render, coloured to have a dark grey finish, or hardwood timber cladding;
  - Roof - Metal roof sheeting, a shade of dark grey, equivalent to, or darker, than "Woodland Grey" in the Colorbond Range;
  - Screens and fencing - Natural timber.The use of red, white or light tones is not authorised in relation to any external finish.

21. The commitments identified in the BASIX Certificate and on the plans or specifications are to be fulfilled and maintained for the life of the development.

### **C. Matters to be satisfied prior to the issue of the Construction Certificate:**

Note: All outstanding matters referred to in this section are to be submitted to the accredited certifier together. Incomplete Construction Certificate applications / details cannot be accepted.

1. Submission of construction plans and specifications and documentation which are consistent with the approved Development Consent plans, the requirements of Building Code of Australia and satisfy all conditions shown in Part B above are to be submitted to the Principal Certifying Authority.
2. The Principal Certifying Authority must be provided with a copy of plans that a Quick Check agent/Sydney Water has stamped before the issue of any Construction Certificate.
3. The person having the benefit of this consent is required to notify the Principal Certifying Authority to ensure that the following critical stage inspections are undertaken, as required under clause 162A(4) of the Environmental Planning and Assessment Regulation 2000:
  - a) after excavation for, and prior to the placement of, any footings, and
  - b) prior to pouring any in-situ reinforced concrete building element, and
  - c) prior to covering of the framework for any floor, wall, roof or other building element, and
  - d) prior to covering waterproofing in any wet areas, and
  - e) prior to covering any stormwater drainage connections, and
  - f) after building work has been completed and prior to any occupation certificate being issued in relation to the building.

To allow a Principal Certifying Authority to carry out critical stage inspections, at least 48 hours notice must be given before building work is commenced and prior to further work being undertaken.

4. Construction works approved by this consent must not commence until:
  - a) Construction Certificate has been issued by a Principal Certifying Authority
  - b) a Principal Certifying Authority has been appointed and Council has been notified in writing of the appointment, and
  - c) at least 2 days notice, in writing has been given to Council of the intention to commence work.
5. In accordance with section 34 of the Building and Construction Industry Long Service Payments Act 1986, the applicant must pay a long service levy at the prescribed rate of 0.0035 of the total cost of the work to either the Long Service Payment Corporation or Council for any work costing \$25,000 or more.
6. The site plan (DA 001, revision A , dated 3 February 2016) and landscape plans are to be amended to demonstrate consistency with the architectural drawings dated 1 April 2016, referenced in this consent.

7. The architectural drawings and landscape plans are to be amended to delete the northern pedestrian pathway proposed between the street frontage and the dwelling and the associated pedestrian access gate. The area of the proposed pathway should be replaced by shrubs and grasses, and no hard surfaces should be proposed within 2m of the proposed canopy tree. The bin storage area at the street frontage is also to be removed from the plans.
8. Prior to issue of the Construction Certificate, Form 2 of the Geotechnical Risk Management Policy for Pittwater (Appendix 5 of P21 DCP) is to be completed and submitted to the Accredited Certifier.
9. Prior to issue of the Construction Certificate an amended landscape plan is required to be submitted which relocates the proposed *Angophora costata* from the south-eastern boundary near the garage to the larger garden area at the front eastern corner of the property, in a position which will provide adequate space for future growth (at least 3 metres from proposed built structures).

The landscape plans shall also be amended to incorporate the deep soil planter boxes at the southern side of the upper floor terrace. The planter boxes shall contain species appropriate for the soil depth, and shall have a minimum maturity height of 3.5m. The plants shall be spaced to ensure that the line of sight between the 2 adjacent properties is minimised, and shall be semi-mature pot sizes planted prior to the issue of any Occupation Certificate.

10. Drainage plans including specifications and details showing the site stormwater management are to be submitted to the Accredited Certifier with the Construction Certificate application. Such details are to be accompanied by a certificate from (as appropriate) either a Licensed plumber or qualified practicing Civil Engineer with corporate membership of the Institute of Engineers Australia (M.I.E), or who is eligible to become a Corporate member and has appropriate experience and competence in the related field, that the stormwater management system complies with the requirements of section 3.1.2 Drainage of the Building Code of Australia Housing Provision and AS/NZS 3500.3.2 - Stormwater Drainage. The details shall include disposal of site stormwater (if the site is in a known slip area the stormwater disposal system must comply with the recommendations of a Geotechnical Engineers Report).

Note: Where Council is the Principal Certifying Authority 3 sets of plans/specifications are to be submitted.

11. Civil engineering details of the proposed excavation/landfill are to be submitted to the Accredited Certifier or Council with the Construction Certificate application. Each plan/sheet is to be signed by a qualified practising Civil Engineer who has corporate membership of the Institution of Engineers Australia (M.I.E) or who is eligible to become a corporate member and has appropriate experience and competence in the related field.
12. Plans and details demonstrating that the commitments identified in the BASIX Certificate that apply to the construction certificate or complying development plans and specifications are fulfilled.

#### **D. Matters to be satisfied prior to the commencement of works and maintained during the works:**

Note: It is an offence to commence works prior to issue of a Construction Certificate.

1. The hours of construction are restricted to between the hours of 7.00am and 5.00pm Monday - Friday and 7.00am to 1.00pm on Saturdays. No works are to be carried out on Sundays or Public Holidays. Internal building work may be carried out at any time outside these hours, subject to noise emissions from the building or works not being audible at any adjoining boundary.

Note: This condition does not apply in relation to Crown building work that is certified, in accordance with Section 116G of the Act, to comply with the technical provisions of the States building laws.

2. Any proposed demolition works shall be carried out in accordance with the requirements of AS2601-2001 The Demolition of Structures.

Amongst others, precautions to be taken shall include compliance with the requirements of the WorkCover Authority of New South Wales, including but not limited to:

- a) Protection of site workers and the general public.
- b) Erection of hoardings where appropriate.
- c) Asbestos handling and disposal where applicable.
- d) Any disused service connections shall be capped off.

Council is to be given 48 hours written notice of the destination/s of any excavation or demolition material. The disposal of refuse is to be to an approved waste disposal depot.

3. A stamped copy of the approved plans is to be kept on the site at all times, during construction.
4. The following facilities must be provided on the site:
  - a) toilet facilities in accordance with WorkCover NSW requirements, at a ratio of one toilet per every 20 employees, and
  - b) a garbage receptacle for food scrapes and papers, with a tight fitting lid.

Toilet facilities are to be provided in a location which will not detrimentally affect the amenity of any adjoining residents at or in the vicinity of the work site during the duration of the development.

5. Where excavations extend below the level of the base of the footings of a building on an adjoining allotment of land, the person causing the excavation must give the owner of the adjoining property at least seven (7) days written notice of their intention to excavate below the level of the base of the footing and furnish the adjoining property owner with particulars of the proposed work.
6. All excavations and backfilling associated with the erection or demolition of a building must be executed safely and in accordance with appropriate professional standards.
7. The site must be fenced throughout demolition and/or excavation and must comply with WorkCover New South Wales requirements and be a minimum of 1.8m in height.
8. Where excavations extend below the level of the base of the footings of a building on an adjoining allotment of land, the person causing the excavation must preserve and protect the building from damage and, if necessary, underpin and support the adjoining building in an approved manner.
9. Temporary sedimentation and erosion controls are to be constructed prior to commencement of any work to eliminate the discharge of sediment from the site.
10. Sedimentation and erosion controls are to be effectively maintained at all times during the course of construction and shall not be removed until the site has been stabilised or landscaped to the Principal Certifying Authority's satisfaction.
11. Adequate measures shall be undertaken to remove clay from vehicles leaving the site so as to maintain public roads in a clean condition.
12. Personnel with appropriate training, or demonstrated knowledge and experience in erosion and sediment control shall be responsible for supervising the installation and maintenance of approved erosion and sediment control measures – during and after construction and until the site has been restored to the satisfaction of council.

13. Waste materials generated through demolition, excavation and construction works are to be minimised by re-use on site, recycling or where re-use or recycling is not practical, disposal at an appropriate authorised waste facility.  
  
All waste dockets and receipts regarding demolition, excavation and construction waste are to be retained on site to confirm which facility received the material for recycling or disposal.  
  
The ongoing operation of Recycling and Waste Management Services is to be undertaken in accordance with the Waste Management Plan.
14. The site must be fenced throughout construction and must comply with WorkCover New South Wales requirements and be a minimum of 1.8m in height.
15. No works are to be carried out in Council's Road Reserve without the written approval of the Council.  
Note: Separate approval is required for access driveways, paths, connections to underground services (stormwater, gas, sewer, electricity, etc.), and landscaping works within Council's Road Reserve.
16. No skip bins or materials are to be stored on Council's Road Reserve.
17. A site fence and silt and sediment control fence is to be erected and maintained during the course of works along any street boundary and park/reserve boundary to the site.
18. A clearly legible *Site Management Sign* is to be erected and maintained throughout the course of the works. The sign is to be centrally located on the main street frontage of the site and is to clearly state in legible lettering the following:
  - a) The builder's name, builder's telephone contact number both during work hours and after hours.
  - b) That no works are to be carried out in Council's Road Reserve without prior application and approval of a Road Opening Permit from Council.
  - c) That a Road Opening Permit issued by Council must be obtained for any road openings or excavation within Council's Road Reserve associated with development of the site, including stormwater drainage, water, sewer, electricity, gas and communication connections. During the course of the road opening works the Road Opening Permit must be visibly displayed at the site.
  - d) That no skip bins or materials are to be stored on Council's Road Reserve.
  - e) That the contact number for Pittwater Council for permits is 9970 1111.
19. A satisfactory construction traffic management plan (CTMP) prepared by a suitably qualified traffic consultant is required to be submitted to the Private Certifying Authority prior to the commencement of any site works. The plan is to detail:
  - a) Quantity of material to be transported
  - b) Proposed truck movements per day
  - c) Proposed hours of operation
  - d) Proposed traffic routes, noting that 3 tonne load limits apply to some roads within Pittwater
  - e) Location of on/off site parking for construction workers during the construction period.

20. Tree guards are to be provided around all trees within 5 metres of proposed works. The tree guards are to be installed prior to the commencement of any work on the site. No works, including utility installations (eg water, sewer, telephone, drainage), are to be undertaken within 4 metres of the trunk of any such trees. The tree guards shall be a minimum 1200mm high at least four (4) metres or as far as possible without interrupting works from the base of the nominated tree/s and constructed from timber posts and rails or posts and suitable plywood panels.
21. No storage of building materials or building waste, excavated fill or topsoil storage is to occur within the dripline of trees shown on the approved landscape working drawing(s) as being retained or within protective fenced areas.  
  
Drainage is to be arranged such that fill, building materials or contaminants are not washed into protective fenced areas.
22. All works within 5 metres of the existing trees to be retained including pruning, demolition, excavation, civil works, fencing and the like must be carried out by hand under the supervision of an experienced and qualified Arborist. Should roots larger than 50mm be encountered all excavation works are to cease immediately and a qualified Arborist is to advise on the impacts of the roots removal on the tree's survival and report to the Principal Certifying Authority prior to works recommencing. If tree roots are present a pier and beam method of footing construction is to be adopted so as to bridge/span any identified lateral roots.

#### **E. Matters to be satisfied prior to the issue of Occupation Certificate:**

Note: Prior to the issue of an Occupation Certificate the principal certifying authority is to ensure that Council's assets, including road, kerb and gutter and drainage facilities adjacent or near to the site have not been damaged as a result of the works. Where such damage has occurred, it is to be repaired to Council's written satisfaction prior to the issue of an Occupation Certificate or suitable arrangements put in place to effect those repairs at a future date to Council's written satisfaction. Should this process not be followed, Council will pursue action against the principal accredited certifier in relation to the recovery of costs to effect such works.

Note: It is an offence to occupy the building or part thereof to which this consent relates prior to the issue of an Occupation Certificate.

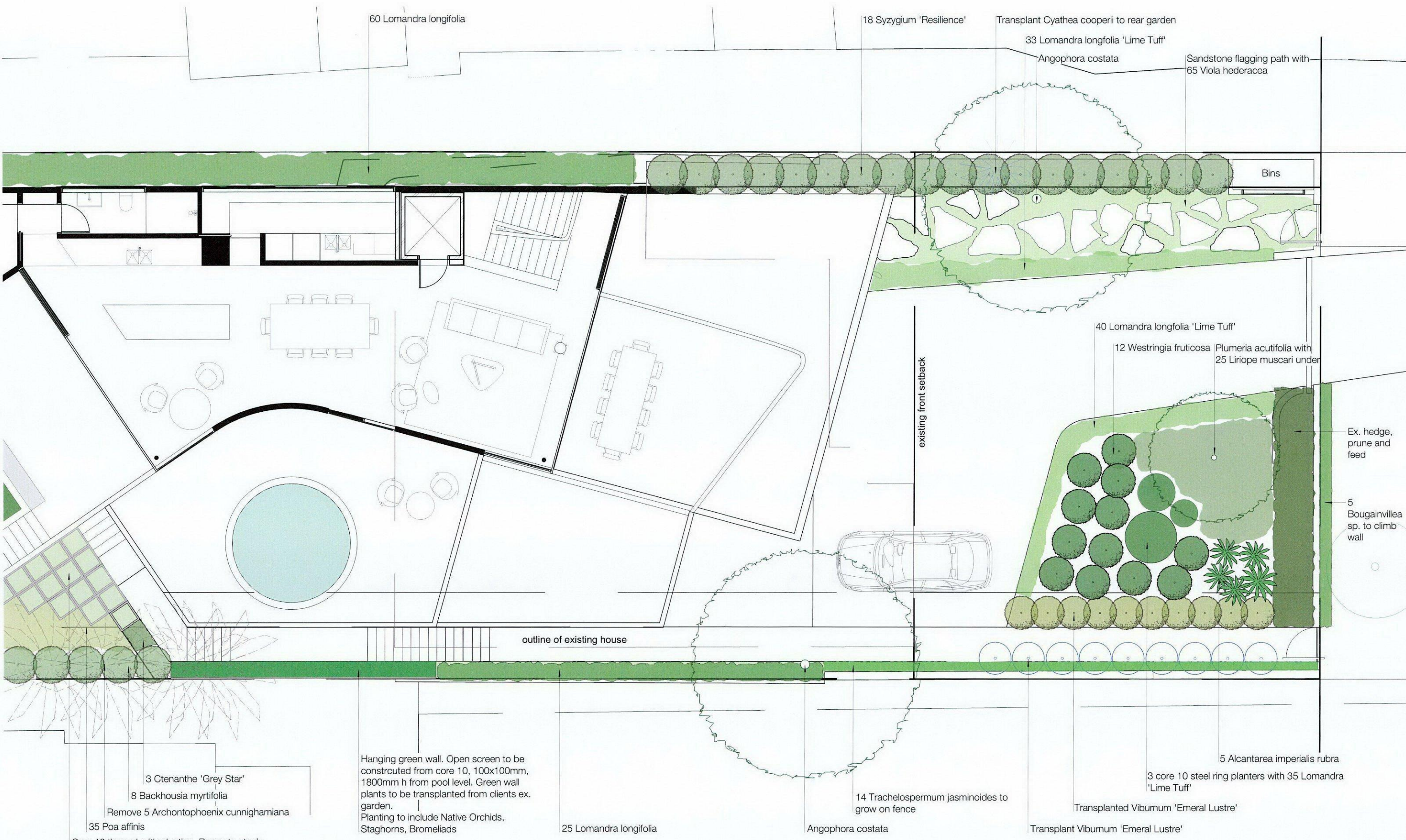
1. An Occupation Certificate application stating that the development complies with the Development Consent, the requirements of the Building Code of Australia and that a Construction Certificate has been issued must be obtained before the building is occupied or on completion of the construction work approved by this Development Consent.
2. All existing and /or proposed dwellings/sole occupancy units are to have approved hard-wired smoke alarms installed and maintained over the life of the development. All hard-wired smoke alarms are to be Australian Standard compliant and must be installed and certified by any appropriately qualified electrician prior to the issue of any Occupation Certificate.
3. A suitably qualified professional shall certify that the landscaping has been planted in accordance with the approved landscape plans, and as amended by any conditions of consent. No Occupation Certificate may be issued until the landscaping works have been completed across the site.
4. Prior to issue of the Occupation Certificate, Form 3 of the Geotechnical Risk Management Policy (Appendix 5 of P21 DCP) is to be completed and submitted to the Accredited Certifier.
5. The stormwater drainage system must be constructed and completed in accordance with the approved design and relevant Australian Standards.

A plan showing pipe locations and diameters of the stormwater drainage system, together with certification by a Licensed Plumber or qualified practicing Civil Engineer that the drainage system has been constructed in accordance with the approved design and relevant Australian Standards must be provided.

6. Restoration of all damaged public infrastructure caused as a result of the development to Council's satisfaction. Council's written approval that all restorations have been completed satisfactorily must be obtained and provided to the Private Certifying Authority with the Occupation Certificate application.
7. Documented evidence of a qualified arborist supervising the works in proximity to trees being retained is required. This documentation is to be provided prior to the issue of the Occupation Certificate.
8. Street numbers are to be affixed so that they are clearly displayed and visible from a public place.
9. Certification is to be provided that the commitments identified in the BASIX Certificate have been fulfilled.

#### **G. Advice:**

1. Failure to comply with the relevant provisions of the *Environmental Planning and Assessment Act, 1979* (as amended) and/or the conditions of this Development Consent may result in the serving of penalty notices (on-the-spot fines) under the summary offences provisions of the above legislation or legal action through the Land and Environment Court, again pursuant to the above legislation.
2. Dial before you dig: Prior to excavation the applicant is advised to contact Australia's National Referral Service for Information on Underground Pipes and Cables telephone 1100 or [www.1100.com.au](http://www.1100.com.au)
3. It is the Project Managers responsibility to ensure that all of the Component Certificates/certification issued during the course of the project are lodged with the Principal Certifying Authority. Failure to comply with the conditions of approval or lodge the Component Certificates/certification will prevent the Principal Certifying Authority issuing an Occupation Certificate.
4. In accordance with Section 95(1) of the EPA Act 1979, this development consent lapses 5 years after the date from which this consent operates if the development is not commenced.
5. To ascertain the date upon which a consent operates, refer to Section 83 of the *Environmental Planning and Assessment Act, 1979* (as amended).
6. Should any of the determination not be acceptable, you are entitled to request reconsideration under Section 82A of the Environmental Planning and Assessment Act, 1979. Such request to Council must be made in writing, together with appropriate fees as advised at the time of lodgement of such request, within 6 months of the determination.
7. If you are dissatisfied with this decision, Section 97 of the Environmental Planning and Assessment Act, 1979, gives you a right of appeal to the Land and Environment Court within 6 months of the date of endorsement of this Consent.
8. The approved plans must be submitted to a Sydney Water Quick Check agent or Customer Centre to determine whether the development will affect Sydney Waters sewer and water mains, stormwater drains and/or easements, and if further requirements need to be met. The approved plans will be appropriately stamped. For Quick Check agent details please refer to the web site at [www.sydneywater.com.au](http://www.sydneywater.com.au) then see Building Developing and Plumbing then Quick Check, or telephone 13 20 92.



Core 10 'boxes' with planting. Boxes to stack on top of each other acting as a retaining wall. Planting:  
100 Ophiopogon japonicus 'Nana'  
100 Ophiopogon japonicus  
30 Senecio serpens  
30 Kalanchoe 'Flapjacks'  
25 Echiveria sp.

Hanging green wall. Open screen to be constructed from core 10, 100x100mm, 1800mm h from pool level. Green wall plants to be transplanted from clients ex. garden. Planting to include Native Orchids, Staghorns, Bromeliads

5 Alcantarea imperialis rubra  
3 core 10 steel ring planters with 35 Lomandra 'Lime Tuff'  
Transplant Viburnum 'Emeral Lustre'



Mariko Fraser  
Landscape (BFA, Dip. Hort)  
0431 457 410  
mariko@marikofraser.com

| Issue |         |                              |
|-------|---------|------------------------------|
| Rev.  | Date    | Description                  |
| A     | 12.1.16 | Draft levels review by Arch. |
| B     | 18.1.16 | Draft plan for client/arch   |
| C     | 31.1.16 | Dis LP                       |

Project  
2075 Pittwater Rd  
Bayview  
Client  
Simmonds

Title  
Front  
Landscape Plan  
Scale  
1:100 @ A3

Drawing number  
LP02-2815  
Revision  
C  
Date  
Jan 2016

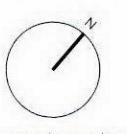
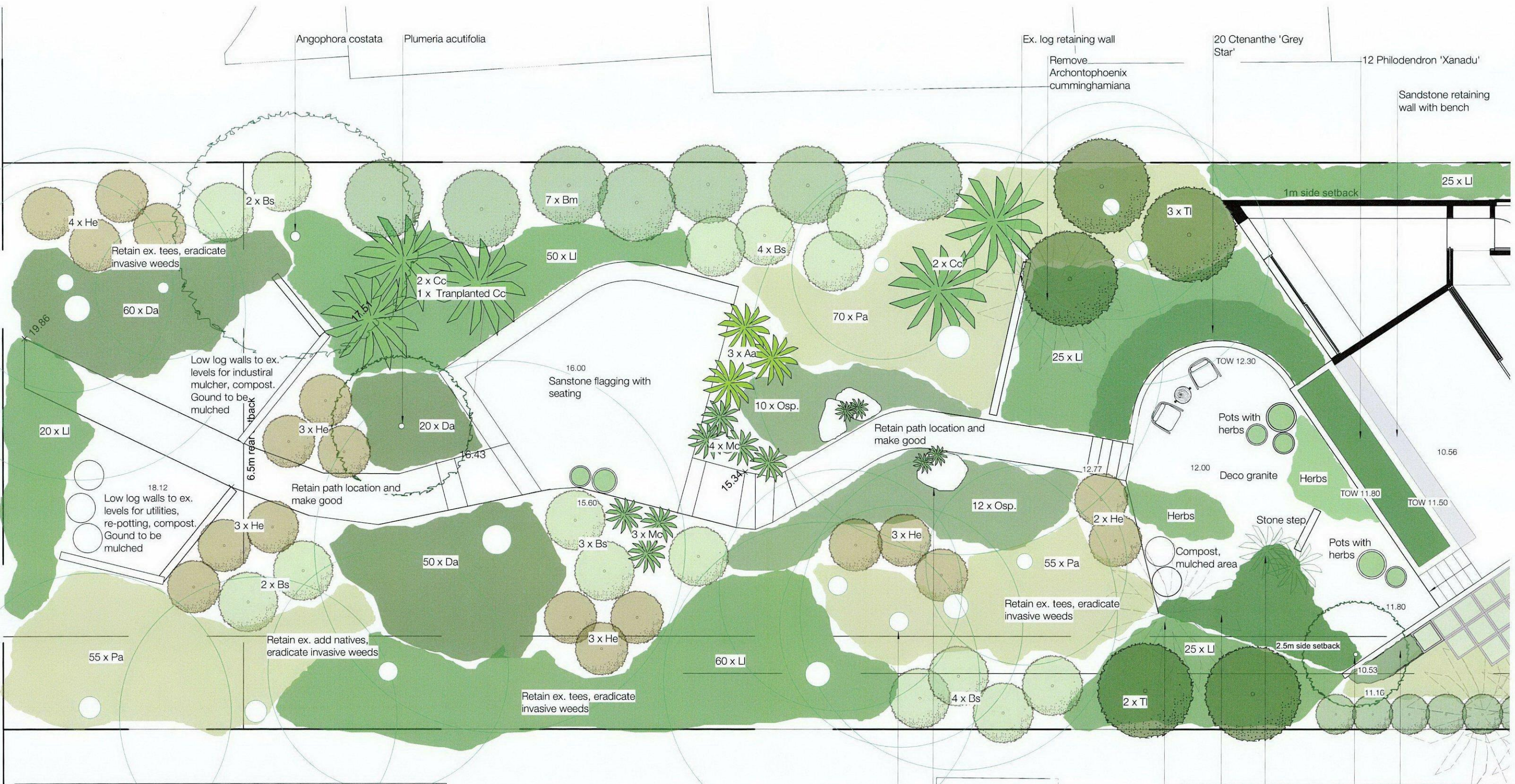


Figure dimensions shall take precedence over scale. Contractors must verify all dimensions on job before commencing any work or making shop drawings. This drawing is protected by copyright.



PLANTING LEGEND

| Symbol | Botanical Name          |
|--------|-------------------------|
| Aa     | Asplenium australasicum |
| Bm     | Backhousia myrtifolia   |
| Bs     | Banksia spinulosa       |
| Cc     | Cyathea cooperii        |
| Da     | Doodia aspera           |
| He     | Hibbertia empetrifolia  |
| Li     | Lomandra longifolia     |
| Mc     | Macrozamia communis     |
| Osp.   | Orchid species          |
| Pa     | Poa affinis             |
| Ti     | Tristanopsis laurina    |

Note:  
- Planting quantity then plant symbol indicated.  
- Retain ex. add natives shrubs where possible and eradicate all invasive weeds.  
- Planting quantities are approximate only assuming some natives are found under weeds.



Mariko Fraser  
Landscape (BFA, Dip. Hort)  
0431 457 410  
mariko@marikofraser.com

| Rev. | Date    | Description                  |
|------|---------|------------------------------|
| A    | 12.1.16 | Draft levels review by Arch. |
| B    | 18.1.16 | Draft plan for client/arch   |
| C    | 31.1.16 | Di LP                        |

Project  
2075 Pittwater Rd  
Bayview  
Client  
Simmonds

Title  
Rear  
Landscape Plan  
Scale  
1:100 @ A3

Drawing number  
LP03-2815  
Revision  
C  
Date  
Jan 2016

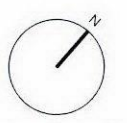


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| PLANT SCHEDULE                     |                       |               |          |     |                                        |                   |               |          |     |
|------------------------------------|-----------------------|---------------|----------|-----|----------------------------------------|-------------------|---------------|----------|-----|
| Botanic Name                       | Common Name           | Mature H (mm) | Pot Size | NO. | Botanic Name                           | Common Name       | Mature H (mm) | Pot Size | NO. |
| <i>Aechmea</i> sp.                 | Bromeliad             | Epiphyte      | 100      | 70  | <i>Lomandra longifolia</i>             | Mat Rush          | 800           | tube     | 290 |
| <i>Alcantarea imperialis rubra</i> | King Bromeliad        | 1000          | 200      | 20  | <i>Lomandra longifolia</i> 'Lime Tuff' | Mat Rush          | 600           | 100      | 108 |
| <i>Angophora costata</i>           | Sydney Red Gum        | 20000         | 45L      | 3   | <i>Macrozamia communis</i>             | Burrawang         | 1200          | 200      | 7   |
| <i>Asplenium australasicum</i>     | Birds Nest Fern       | 800           | 200      | 3   | <i>Ophiopogon japonicus</i>            | Mondo Grass       | Gound cover   | tube     | 100 |
| <i>Backhousia myrtifolia</i>       | Grey Myrtle           | 6000          | 200      | 15  | <i>Ophiopogon japonicus</i> 'Nana'     | Mini Mondo Grass  | Gound cover   | tube     | 100 |
| <i>Banksia spinulosa</i>           | Hair Pin Banksia      | 3500          | tube     | 15  | <i>Orchid</i> sp.                      | Orchid            | 1000          | 200      | 32  |
| <i>Bougainvillea</i> sp.           | Bougainvillea         | Climber       | 200      | 5   | <i>Platynerium superbum</i>            | Staghorn          | Epiphyte      | n/a      | 8   |
| <i>Ctenanthe</i> 'Grey Star'       | Ctenanthe             | 900           | 200      | 9   | <i>Plumeria acutifolia</i>             | Frangipani        | 5000          | 100L     | 3   |
| <i>Cyathea cooperii</i>            | Coin Spot Tree Fern   | 12000         | 200      | 4   | <i>Philodendron</i> 'Xanadu'           | Xanadu            | 850           | 200      | 12  |
| <i>Dendrobium speciosum</i>        | Sydney Rock Orchid    | Epiphyte      | n/a      | 45  | <i>Poa affinis</i>                     | Tussock Grass     | 700           | tube     | 215 |
| <i>Doodia aspera</i>               | Prickly Rasp Fern     | 200           | tube     | 130 | <i>Senecio serpens</i>                 | Blue Chalk Sticks | Gound cover   | 100      | 30  |
| <i>Echeveria</i> sp.               | Hens and Chicks       | Gound cover   | 100      | 25  | <i>Syzygium</i> 'Resilience'           | Lilly Pilly       | 6000          | 45L      | 18  |
| <i>Hibbertia empetrifolia</i>      | Tangled Guinea-flower | 1000          | tube     | 16  | <i>Trachelospermum jasminoides</i>     | Star Jasmine      | Climber       | 150      | 14  |
| <i>Kalanchoe</i> 'Flapjacks'       | Flap Jacks            | 300           | 100      | 30  | <i>Tristanopsis laurina</i>            | Water Gum         | 8000          | 200      | 5   |
| <i>Liriope muscari</i>             | Liriope               | 750           | 150      | 25  | <i>Viola hederacea</i>                 | Native Violet     | Gound cover   | tube     | 65  |

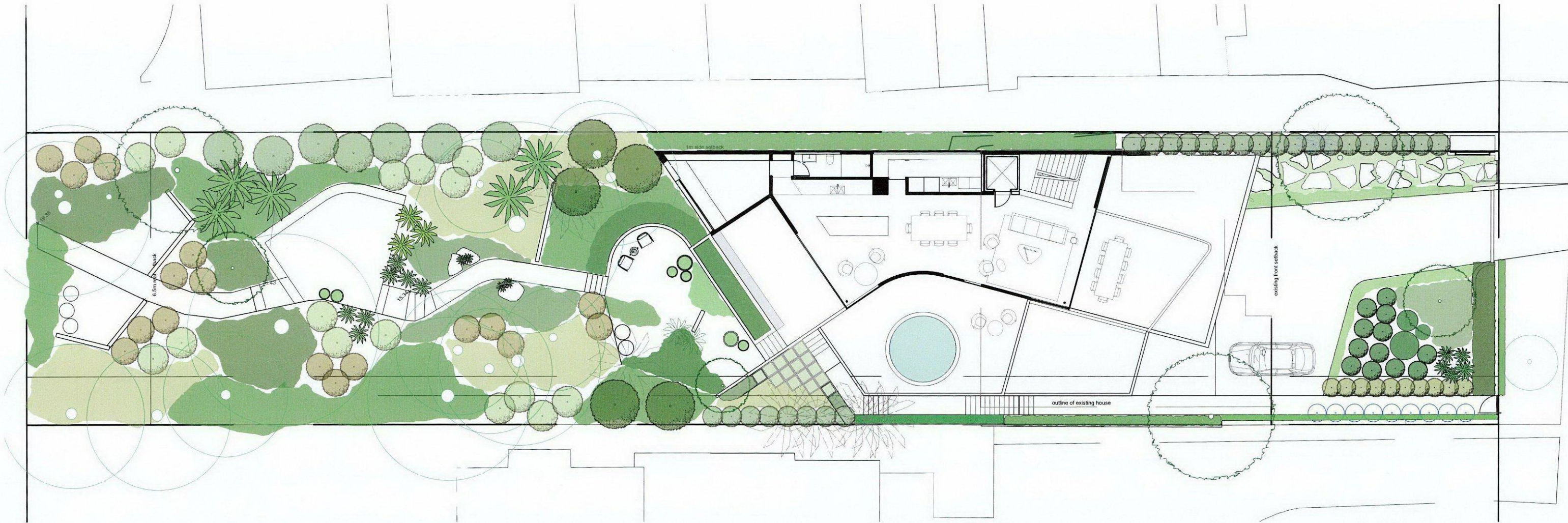
2075 PITTAWATER RD BAYVIEW

DA Landscape Plans

LP01 Site Landscape Plan 1:200@A3

LP02 Front Landscape Plan 1:100@A3

LP03 Rear Landscape Plan 1:100@A3



LEGEND

- Tree to be retained
- Palm to be removed
- Plant to be transplanted

LANDSCAPE NOTES

- Planting in reference to Pittwater planting community: Rolling Hills and Lower Shale Slopes & Pittwater Council BASIX plant list
- Garden to be maintained every 10 weeks for the first 12 months of establishment period. Garden to be maintained by a qualified horticulturalist.
- Irrigation: DripEze in line drip tubing with 2.0lph emitters at 300mm spacing throughout all garden beds. Rows of tubing at 400mm spacing or to suit planting and fixed to soil surface using galvanized steel "U" pegs at 1.0m centres.
- Organic matter and mulch supplied to standard AS4454.

DESIGN

Mariko Fraser  
Landscape (BFA, Dip. Hort)  
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mariko@marikofraser.com

| Issue |         |                              |
|-------|---------|------------------------------|
| Rev.  | Date    | Description                  |
| A     | 12.1.16 | Draft levels review by Arch. |
| B     | 18.1.16 | Draft plan for client/arch   |
| C     | 31.1.16 | Da LP                        |

Project

2075 Pittwater Rd Bayview

Client

Simmonds

Title

Site Landscape Plan

Scale

1:200 @ A3

Drawing number

LP01-2815

Revision

C

Date

Jan 2016

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