DU PLESSIS+ DU PLESSIS ARCHITECTS

20 MULGOWRIE CRESCENT BALGOWLAH HEIGHTS NSW 2093

> 0403944576 e@droom.com.au www.droom.com.au

> > NSW REGISTERED ARCHITECT: #7435

NOMINATED ARCHITECT: Eugene du Plessis



DA WASTE MANAGEMENT PLAN

Address: No. 10 Kangaroo Street, Manly NSW 2095

Project: Alterations & Additions to an existing residential dwelling House

Applicants & Owners: Peter & Anna Littleboy **Prepared by:** Du Plessis + Du Plessis Architects

Date: December 2020

Issue: NBC Council Development Application

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1.0 Management Statement

The Applicant recognizes the need to protect the environment and the advantages that can be achieved by waste reduction, recycling and a corresponding reduction in landfill.

The ability to plan waste management may be restrictive under some circumstances due to physical site storage capacity, nature of the waste, ability to be recycled, or economic collection, however it is envisaged that project goals can be achieved by co-operation of all parties associated with the project.

The Contractor shall prepare a detailed CC Construction Waste & Construction Management Plan prior to demolition and the commencement of works as per NBC Council 'Waste Minimisation and Management Plan Guidelines' and any project specific imposed conditions of consent.

2.0 Statement of Responsibilities

Details below are the responsibilities of the participants who will be encompassed in the waste management plan for this project:

2.01 Project Manager

The Architect foresees the need to instigate waste management procedures on the project and the client is aware of financial implications that may benefit or otherwise impact the project viability.

The Project Manager will initiate the Waste Management Plan and will ensure all site personnel; material suppliers and subcontractors are aware of the project goals and are committed to those objectives.

2.02 <u>Site Supervisor</u>

The Site Supervisor is responsible for the on-site management of waste control, collection and sorting of specific recyclable materials and of other waste. The Site Supervisor will enforce the waste management procedure.

2.03 <u>Subcontractors</u>

All Subcontractors will be required to comply with waste control, collection and sorting be instigated on the project. Specific material that may not be collected on site will be removed from site by the subcontractor responsible for its generation and where possible recycled.

2.04 <u>Material Suppliers</u>

Material suppliers will be instructed to restrict packaging to reduce excessive packaging and the extent of waste delivered to site.

2.05 Waste Collection Agency

Waste collection agencies are responsible for provision of appropriate collection bins, signage of specific collection bins, removal and transport of the specific waste to the point of recycling or to the appropriate disposal area.

2.06 Recycling Agencies

Recycling agencies are those organizations able to receive specifically sorted waste and recycle that material into new products or make available for reuse.

3.0 Waste Management Procedure

The Demolition Stage is the stage with the greatest potential for waste minimization. Through careful onsite sorting, storage and by staging work programs it is possible to re-use many materials, either on-site or off-site.

With this project we are seeking to move from the attitude of straight demolition to a process of selected deconstruction, ie total reuse and recycling both off-site and on-site seeking to:

- re-use of excavated material on-site and disposal of any excess to an approved site;
- green waste mulched and re-used in landscaping either on-site or off-site;
- bricks, tiles and concrete re-used on-site as appropriate, or recycled off-site;
- plasterboard returned to supplier for recycling;
- framing timber re-used on-site or recycled elsewhere;
- windows, doors and joinery recycled off-site;
- plumbing, fittings and metal elements recycled off-site;
- all asbestos, hazardous and/or intractable wastes are to be disposed of in accordance with Work Cover Authority and EPA requirements;
- locations of on-site storage facilities for material to be reused on site or separated for recycling off-site.

3.01 Recycling Bins

The waste management will call upon Waste Collection Agencies to provide collection bins for the accumulation of sorted select waste materials and the removal and transportation of those bins to recycling agencies.

The bins will be located where directed on site by the Site Supervisor and will be adequately sign posted as to the specific material to be deposited in that bin. At appropriate times, the bins will be removed, replaced and transported to the point of recycling or disposal.

All site personnel shall be responsible to deposit the appropriate material in the allocated bin. Incorrectly the party responsible shall sort deposited material.

Individual bins shall be provided for the following materials on an as need basis:

<u>Light Loads Category 1</u>

This incorporates light building materials such as timber, gyprock, plasterboard, plastics, metals, etc and domestic rubbish. Any recyclable material from the above will be sorted, sieved and recycled at the bin/skip provider's premises.

Heavy Loads Category 2

This incorporates heavy building materials/demolition materials, including bricks, tiles, concrete, soil etc.

Any recyclable material from the above will be sorted, sieved and recycled at the bin/skip provider's premises.

Bricks, Concrete and Tiles

This incorporates any combination of the above with the inclusion of no other rubbish. All recyclable material from the above will be sorted, sieved and recycled at the bin/skip provider's premises.

3.02 Excessive Packaging

For all material to be brought onto the site the subcontractor or material supplier shall restrict packaging to the minimum necessary to protect the article from damage during transport and installation. The material supplier or the subcontractor shall remove excessive packaging from the site. Disposal method shall be confirmed to the Site Supervisor prior to removal.

3.03 Surplus Soils, Rock, Excess and Spoil

Minimize site disturbance by limiting unnecessary excavation. Surplus soil/rock and spoil shall be directed to landfills wherever possible. Method of disposal shall be confirmed to the Site Supervisor prior to removal.

Limit quantities of Waste by careful planning. Quantify materials for the project and use margin normally allowed in ordering. When estimating waste the following percentages are building "rule of thumb" for material waste as a Percentage of the Total material ordered:

Timber 5-7%
Plasterboard 5-20%
Concrete 3-5%
Bricks 5-10%
Tiles 2-5%

3.04 Contractual Responsibility

Consistent with the requirement of the Contract, all subcontractors will contain a waste management clause that will enable the project goals to be achieved. Co-ordination and sequencing of various trades crucial to implementing plan for minimizing waste.

3.05 Site Restrictions

Site construction access from Kangaroo Street only and limited by the existing 2 x single parking Garages to be retained & street tree to be protected. Demolition & deliveries from the existing vehicular driveway crossings with appropriate pedestrian/traffic control if and as required. Limited street parking available for sub-contractors. Site establishment will include the site contractor's offices, site amenities, vehicle access for loading and unloading, establishment & maintenance of on-site work zone areas. Exclusion zones, including fenced exclusion zones to protect trees, adjoining property fences, etc will be established where applicable.

The Contractor will ensure the security of all active work areas and adjacent buildings to ensure the safety of the public and protection of the works.

4.0 On-going Waste Management

The proposed redevelopment of the site is for the alterations & additions to an existing single family dwelling House and no change proposed to the current bin storage and waste management arrangement.

Council regulations apply and garbage collection and recycling services the same as existing.

The Council collection vehicles are able to service the development efficiently from kerb as is currently the case and similar to other residential dwellings in the street.

General waste & recycling collected weekly and green waste alternate fortnights.

Standard bin dimensions used/considered:

240L Bin:

Normal volume: 240 litre Net weight: approx 12.3 kg Maximum load: 96 kg

Permitted total weight: 110 kg

Height 1060mm Width 585mm Depth 730mm

4 x 240L Bins to be provided for each dwelling:

1 x 240L bin for general waste (red) 1 x 240L bin for paper recycling (blue) 1 x 240L bin for glass recycling (yellow) 1 x 240L bin for gardening (green)

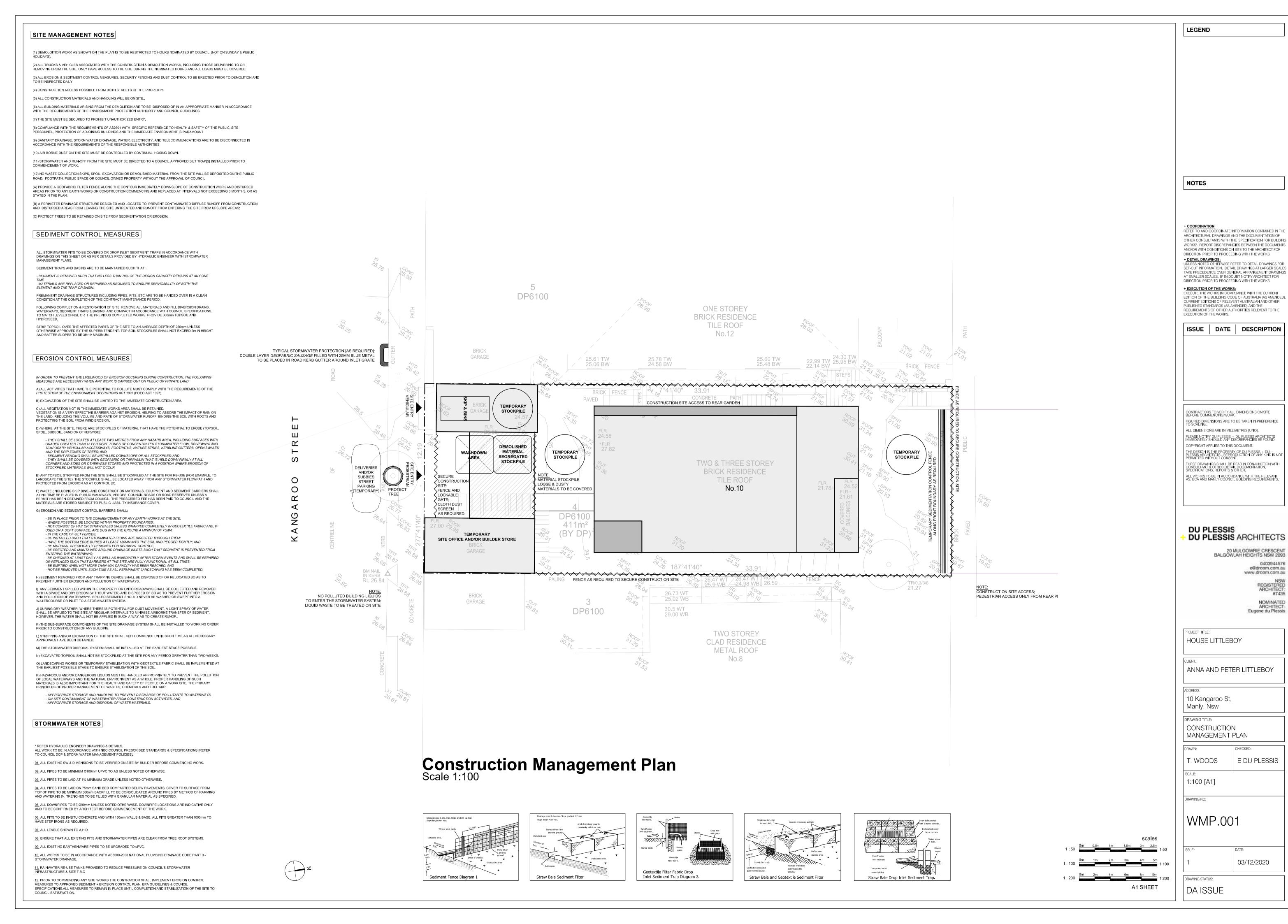
Kind Regards,

ARCHITECT

EUGENE DU PLESSIS

B.Arch Stud [1996] + B.Arch [1997]

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0403944576

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