SPECIFICATION

- "Approval" obtained by either an 'Accredited Certifying Authority' or 'Local Council'.
- The Owner will directly pay all fees associated with the following:
- Building approval from council or accredited certifier, any footpath and kerb deposits with the local council, insurance fees to Building Services Corporation, Long Service Leave levy fees and approval fees by water and sewerage authority. All other fees are to be paid by the builder. The amount of any local authority deposits which are forfeited due to damage or other causes, will be deducted from payments due to the builder.
- The Builder is to provide at his/her own expense adequate Public Risk Insurance and arrange indemnification under the Workers Compensation Act. Works insurance to be as stated in the contract conditions
- All tenderers are to visit the site to satisfy themselves as to the nature and extent of the Works, facilities available and difficulties entailed in the works as Variations will not be allowed due to work arising owing to neglect of this clause.
- These drawings shall be read in conjunction with all structural and other consultant's drawings and specifications and with any such written instructions as may be issued during the course of the contract.
- Set out dimensions shown on this drawing shall be verified by the builder on site before commencement of any work. Dimensions shall not be obtained by scaling the drawings. Use only figured dimensions. All dimensions are in
- The Builder is to ensure all construction, levels and other items comply with the conditions of the Building Approval.
- Any detailing in addition to what is supplied shall be resolved between the Owner and the Builder to the Owner's approval, except for any structural details or design which is to be supplied by the Engineer
- All work to be carried out in a tradesman like manner and in accordance with the standards, codes and regulations of the Standards Association of Australia, National construction Code of Australia and any statutory authority having iurisdiction over the works.
- All structural work is to be in accordance with the structural details prepared by a suitably qualified structural engineer. Including but not limited to all piers, footings, concrete slabs, retaining walls, steelworks, formwork, underpinning, additional structural loads, timber framing, wind bracing and associated connections. Builder to obtain, prior to finalising the tender unless previously obtained by owners.
- All brickwork is to be selected by owner and is to comply with AS 1640. All masonry is to comply with AS 3700.
- Provide all metalwork and flashings necessary to satisfactorily complete the works.
- All timber construction to be in accordance with AS 1684 "Timber Framing Code". Level & Grade where necessary under timber floors to provide a minimum clearance of 300mm under bearers or 400mm under joists. Adequate precautions shall be taken to ensure that the surface &/or seepage water does not collect or remain under floor area. Sustainable timbers and not rainforest or old growth timber will be use.

Recycled timber or second hand timbers are to be sourced and used in preference to plantation timbers, if available and

- All glazing installed is to comply with AS 1288, 2047 and in accordance with manufacturers recommendations.
- All wall and ceiling linings to be plasterboard and villaboard or equal in wet areas. A breathable wall wrap is to be provided to all external walls. Timber cladding is to be battened out from timber frame to provide an 'air' gap to prevent condensation. Workmanship is to comply with the relevant Australian Standards or installed in accordance with manufacturer's specification. All bathrooms and wet areas to be waterproofed with a flexable membrane to manufacturer's specification and to AS 3740 and Part 3.8.1 of the Building Code of Australia Housing Provisions.
- All Architraves and skirtings to the profile as selected by owner, and painted or stain finish as selected.
 All plumbing and drainage work to be installed and completed by a licensed tradesman and in accordance with the statutory body having authority over the works. Connect all waste to Sydney Water sewer line.
- Connect all stormwater to existing system or street drainage system in accordance with AS 3500 and part 3.1.2 Drainage of the Building Code of Australia Housing Provisions.
- Smoke detector alarms to be installed in accordance with AS3786 and the Building Code of Australia.
- If a member which provides structural support to the work is subject to attack by Termites protection measures are to comply with AS3660 and be installed to manufacturer's specification.
- Stairs and Balustrades to comply with part 3.9.1 & 3.9.2 of the Building Code of Australia Housing Provisions.
- Electrical works to be in accordance with SAA wiring rules and be done by a licenced tradesperson. Obtain electrical layout prior to proceeding. All electrical power (GPO's) and light outlets to be determined by owner.
- Painting: All paints or other coatings shall be of the best quality materials & of approved manufacture. All priming materials shall be of an approved brand acceptable to the manufacturer of the finishing coats to be used. External joinery intended to be painted shall be primed on all faces at the place of assembly. Where new work or alteration work adjoins existing painted surfaces allow for repainting existing surfaces to provide uniform appearance. ZERO-VOC or LOW-VOC paints and primers only are to be used.
- Any work indicated on the plans but not specified and any item not shown on the plans which is obviously necessary as part of proper construction and/or finish, is to be considered as shown and specified and is to be undertaken at the
- Variations will not be permitted without prior written approval by the owners.
- The Builder shall provide sediment and siltration control measures as required by Council and maintain them throughout the duration of the works.
- A legible copy of the plans bearing approval stamps, must be maintained on the job site at all times. Hours of construction shall be restricted to the times as required by the building approval.
- The Builder is to arrange for all inspections required by the relevant authorities and/or lending institutions, to their
- The Builder is to obtain approval for interruptions to existing services and minimise the duration and number of interruptions. Any interruptions to existing services and equipment is to be undertaken by appropriately qualified tradespersons
- The Builder shall restore, reinstate or replace any damage to existing structures or landscaping caused by the construction works or workmen
- Provide protection to existing trees to remain, or as required by the Approval Conditions

COLOUR SCHEDULE

ROOFING to be Shale Grey; BASIX Light colour.



CLADDING to be similar to below Basalt or Wallaby BASIX medium

Basalt®	Solar Absorptance 0.69
Wallaby [®]	Solar Absorptance 0.64



THIS PLAN IS TO BE READ IN **CONJUNCTION WITH** THE CONDITIONS OF DEVELOPMENT CONSENT

DA2020/0941



0004943734 Certificate no.: Tracey Cools Assessor Name: HERA10033 Accreditation no.: 21 Jun 2020 Certificate date Owelling Address:

4B Cambridge Avenue Narraweena, NSW 2099

www.nathers.gov.au

BASIX COMMITMENTS

WATER COMMITMENTS Landscape

The applicant must plant indigenous or low water use species of vegetation throughout 100 square metres of the site.

The applicant must install showerheads with a minimum rating of 4 star (> 6 but <= 7.5 L/min) in all showers in the development.

The applicant must install a toilet flushing system with a minimum rating of 5 star in each toilet in the development. The applicant must install taps with a minimum rating of 5 star in the kitchen in the development.

The applicant must install basin taps with a minimum rating of 5 star in each bathroom in the development Alternative water

The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.

The applicant must configure the rainwater tank to collect rain runoff from at least 200 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).

The applicant must connect the rainwater tank to:

- the cold water tap that supplies each clothes washer in the development
- at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.)

THERMAL COMFORT COMMITMENTS

Enclosed suspended timber framed floors with R3.0 insulation

Open Suspended concrete floor with R3.0 insulation required excluding Garage (no insulation required to Garage floor) Timber between levels with no insulation required

Floor coverings: tiles to wet areas, carpet and timber elsewhere as per drawings

External Wall Construction

Light weight cladding with R2.5 insulation (insulation only value)

No insulation required to external garage walls

Medium colour modelled (0.475<SA<0.7)

Internal Wall Construction

Plasterboard on studs

R2.0 insulation required to internal Garage walls and Laundry walls shared with other internal areas

Ceiling Construction

Plasterboard ceiling with R3.5 insulation (insulation value only) where roof is above excluding Garage

Note: All ceiling penetrations have been modelled in accordance with NatHERS protocols, all downlights are assumed sealed LED

Roof Construction

Metal roof with a sarking/Foil External Colour: Light (0.45>SA) (R-value: 0.00)

External Shading

Covered Deck. Eaves as per stamped plans

ENERGY COMMITMENTS

Hot water

The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas instantaneous with a performance of 6 stars. Cooling System

The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: Ceiling Fans + 3 phase airconditioning; Energy Rating: EER 3.5-3.5

The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: Ceiling Fans + 3 phase airconditioning; Energy Rating: EER 3.5-3.5 Heating system

The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 3 phase airconditioning; Energy Rating: EER 3.5-3.5

The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 bedroom: 3 phase airconditioning; Energy Rating: EER 3.5-3.5 Ventilation

The applicant must install the following exhaust systems in the development: At least 1 Bathroom: individual fan, ducted to facade or roof; Operation control: manual switch on/off

Kitchen: individual fan, ducted to façade or roof; Sealed to prevent insulation loss; Operation control: manual switch on/off Laundry: individual fan, ducted to facade or roof; Operation control: manual switch on/ timer off

The applicant must ensure that the "primary type of artificial lighting" is fluorescent or light emitting diode (LED) lighting in each of the following rooms, and where the word "dedicated" appears, the fittings for those lights must only be capable of ac

at least 5 of the bedrooms / study; at least 2 of the living / dining rooms; the kitchen; all bathrooms/toilets; the laundry; all hallways ALL DOWN LIGHTS TO BE SEALED

Natural lighting

The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.

The applicant must install a window and/or skylight in 3 bathroom(s)/toilet(s) in the development for natural lighting.

The applicant must install an induction cooktop & electric oven in the kitchen of the dwelling.

The applicant must install a fixed outdoor clothes drying line as part of the development.

The applicant must install a fixed indoor or sheltered clothes drying line as part of the development.

South Creek Road, Dee Why Levels are on Australian Height Datum.

Survey Details provided by

CMS Surveyors Pty Limited









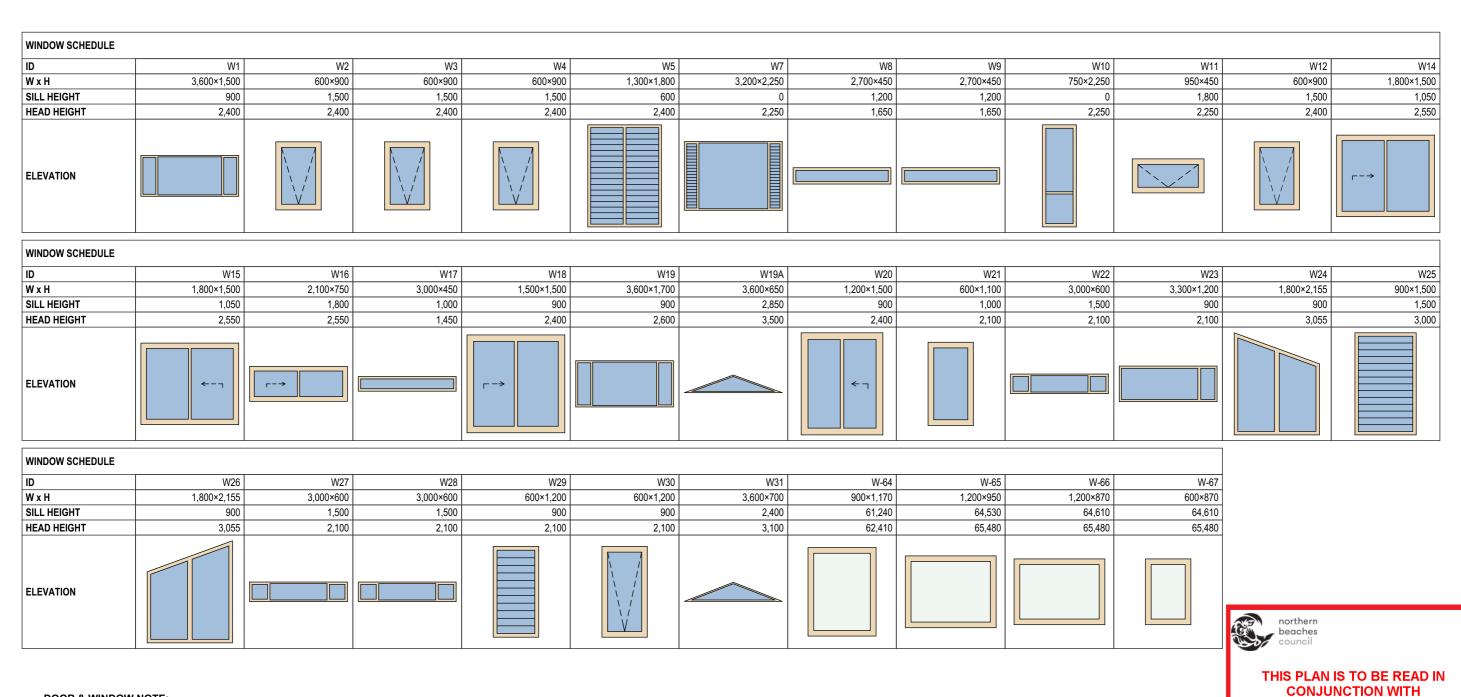


NEW RESIDENCE NOTES and BASIX COMMITMENTS

4B CAMBRIDGE AVE NARRAWEENA NSW 2099

19-0201 Monday, 22 S.G. N1 June 2020

Job Number



DOOR & WINDOW NOTE:

All windows to be Powder Coated Aluminium framed performance glazing throughout with fly

Type A Glazing: Awning + Casement + Bi-fold windows/doors:

U-value: 4.80 (equal to or lower than) SHGC: 0.34 (±10%) Type B Glazing: Fixed + Sliding + Louvre windows/doors:

U-value: 4.80 (equal to or lower than)

SHGC: 0.34 (±10%)

Given values are AFRC total window system values (glass and frame)

Front door to be Solid Core Timber '1270mm x 40mm' Feature door with Timber Framed Side and high light.

Garage Doors; Automatic Panel lift.

All other external doors to be Powder Coated Aluminium.

All Doors and Windows to be keyed alike deadlocks to all sashes & doors.

All windows and doors shall conform to the Relevant Australian Standard.

All windows and doors are to be weather stripped as per NCC.

All glazed assemblies will comply with As 2047 and AS 1288.

All glazing to have a max reflectivity index of 25%

Window load classification to all new windows and glazed doors is to be confirmed by the engineer prior to ordering and installation.

Survey Details provided by CMS Surveyors Pty Limited South Creek Road, Dee Why Levels are on Australian Height Datum.



BDAA Accreditation number 6255 ABN 17 751 732 195 A C C R E D I T E D SALLY GARDNER DESIGN AND DRAFT





Certificate no.: Assessor Name: Accreditation no.: 5.2 Certificate date: HOUSE 64.3 MJ/m

21 Jun 2020 welling Address: 4B Cambridge Avenue Narraweena, NSW 2099

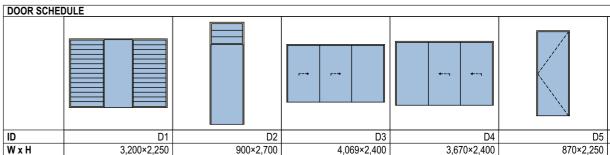
www.nathers.gov.au



0004943734

Tracey Cools

HERA10033



NEW RESIDENCE RFM 4B CAMBRIDGE AVE NARRAWEENA NSW 2099

WINDOW & DOOR SCHEDULES

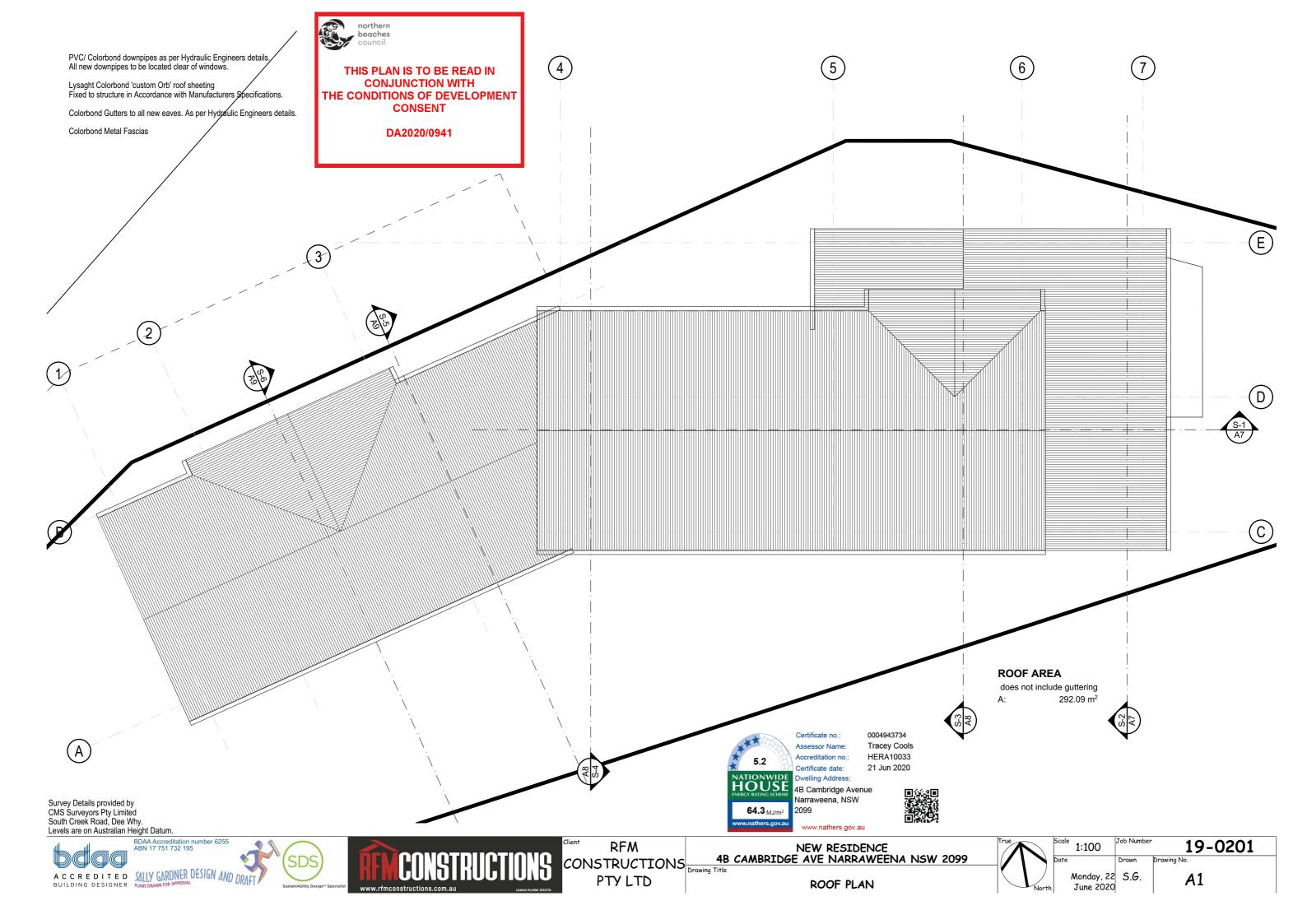
Job Number 19-0201 1:1 Monday, 22 S.G. N2 June 2020

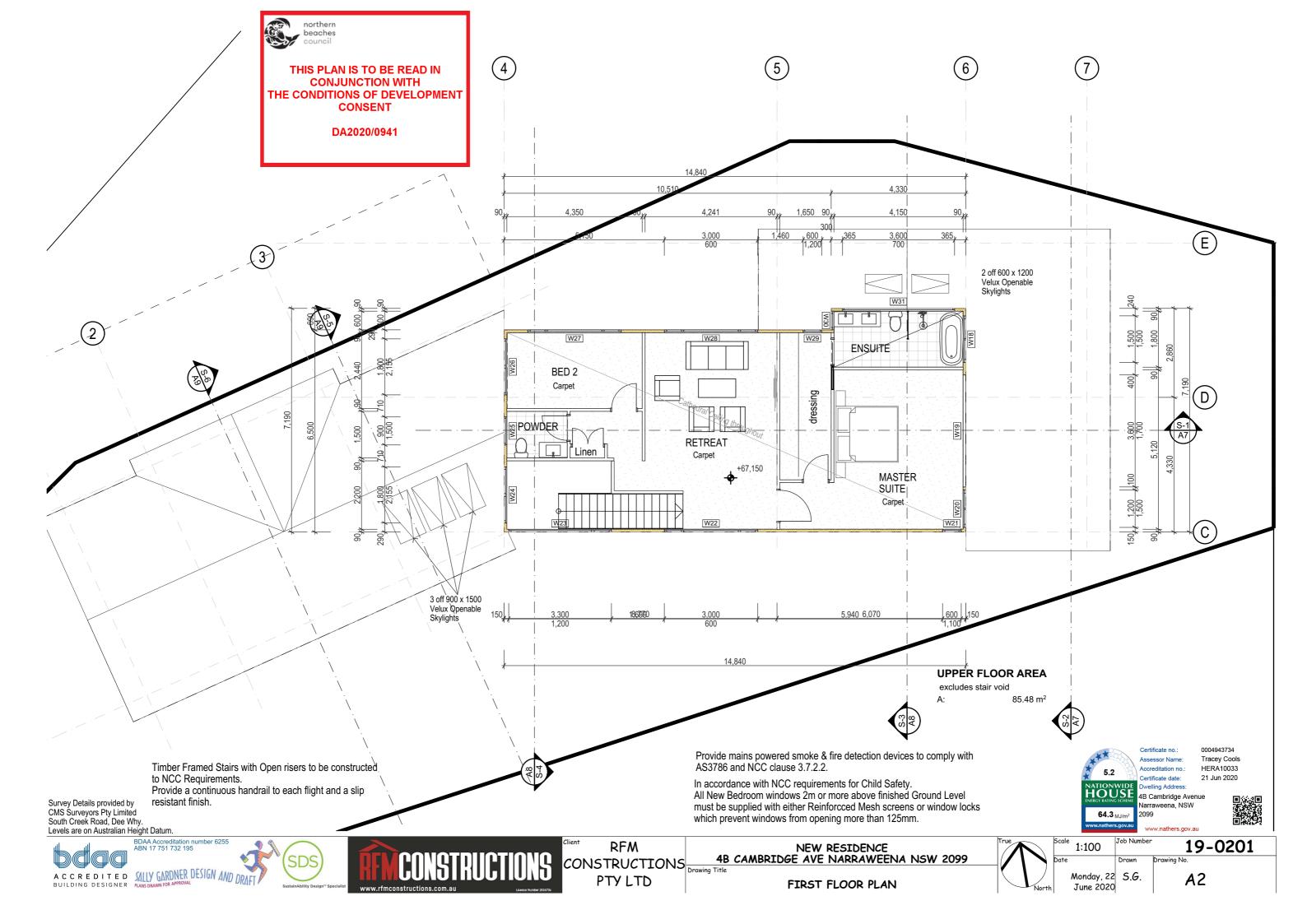
THE CONDITIONS OF DEVELOPMENT

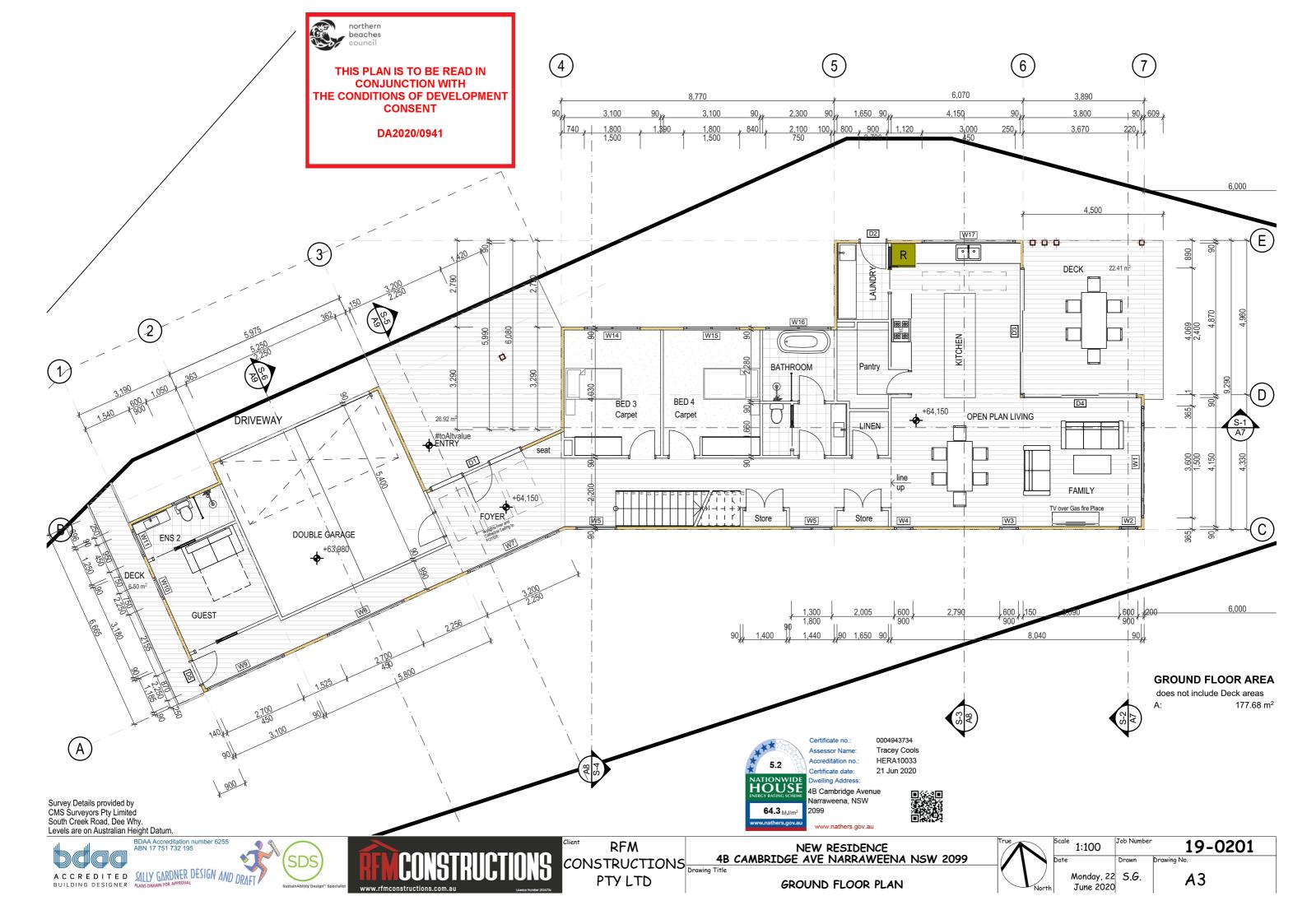
CONSENT

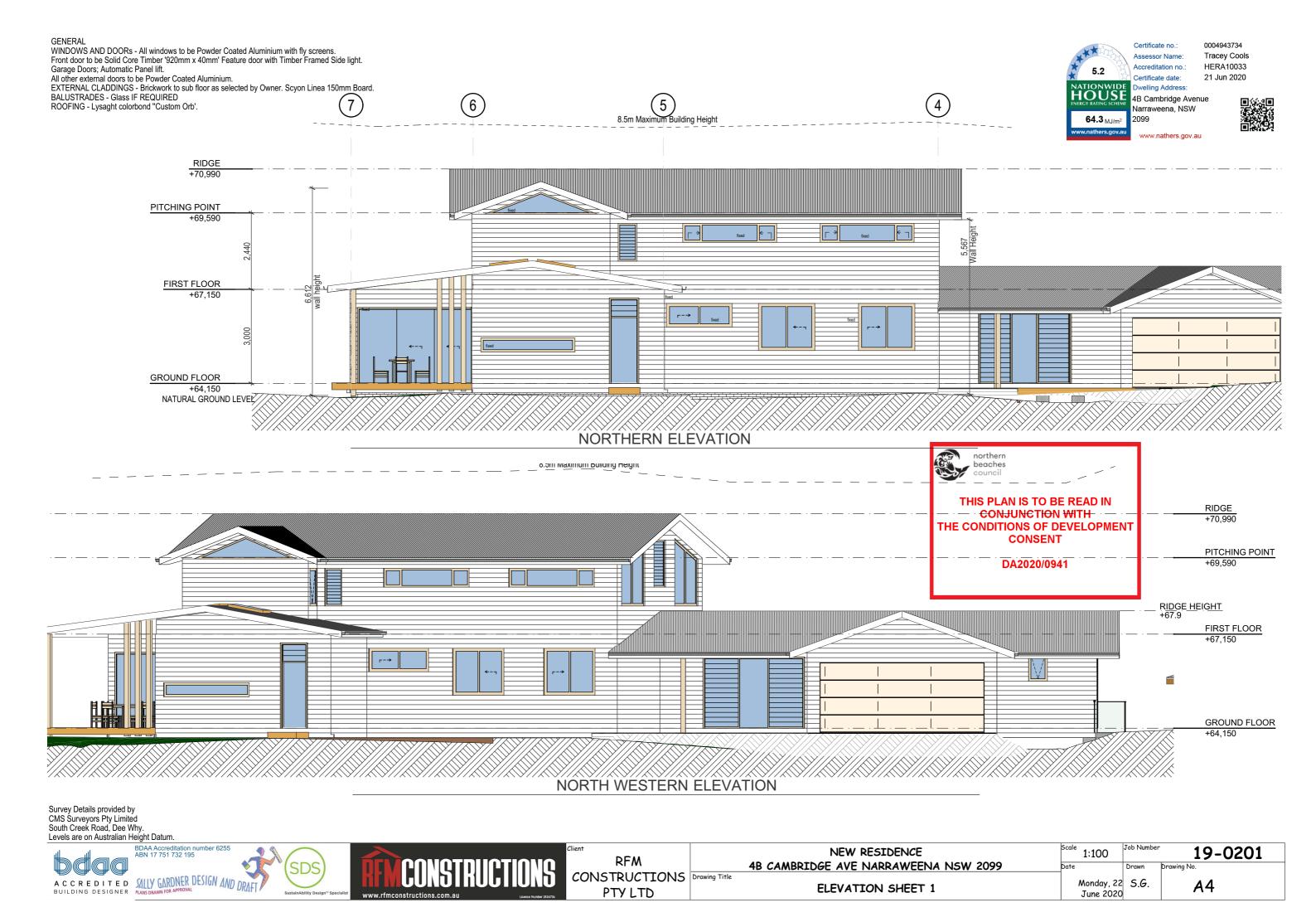
DA2020/0941

CONSTRUCTIONS Drawing Title PTY LTD









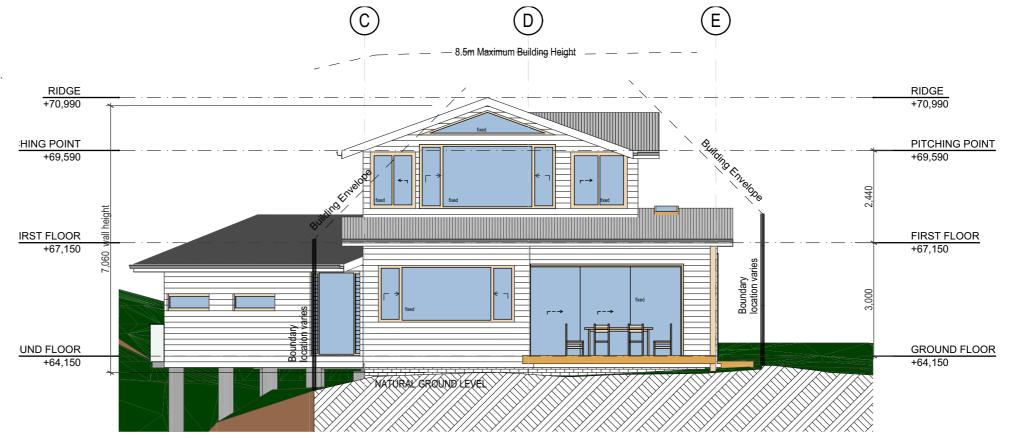
GENERAL

WINDOWS AND DOORs - All windows to be Powder Coated Aluminium with fly screens. Front door to be Solid Core Timber '920mm x 40mm' Feature door with Timber Framed Side light. Garage Doors; Automatic Panel lift.

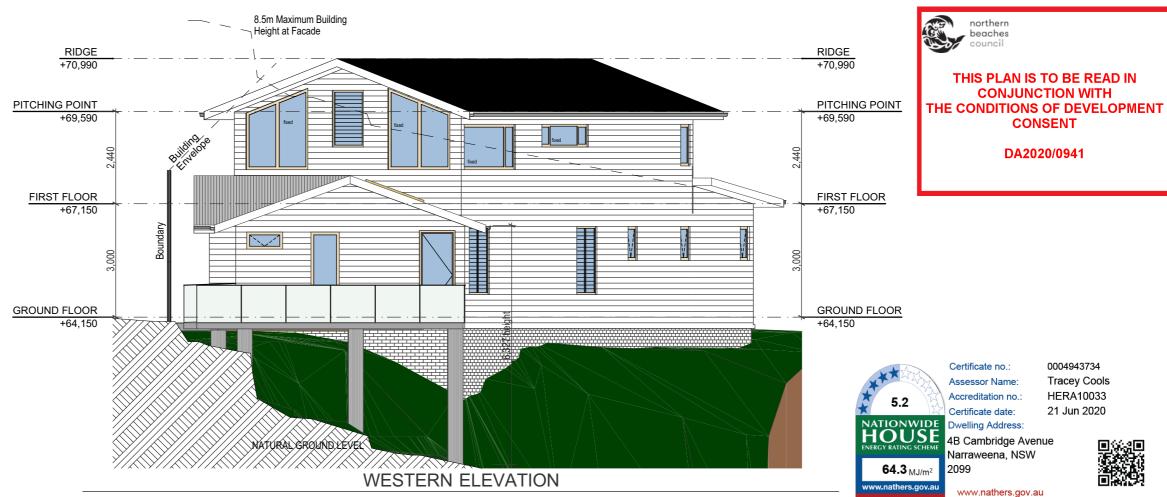
All other external doors to be Powder Coated Aluminium.

EXTERNAL CLADDINGS - Brickwork to sub floor as selected by Owner. Scyon Linea 150mm Board. BALUSTRADES - Glass

ROOFING - Lysaght colorbond "Custom Orb'.







Survey Details provided by CMS Surveyors Pty Limited South Creek Road, Dee Why Levels are on Australian Height Datum.





RFMCONSTRUCTIONS Drawing Title PTY LTD

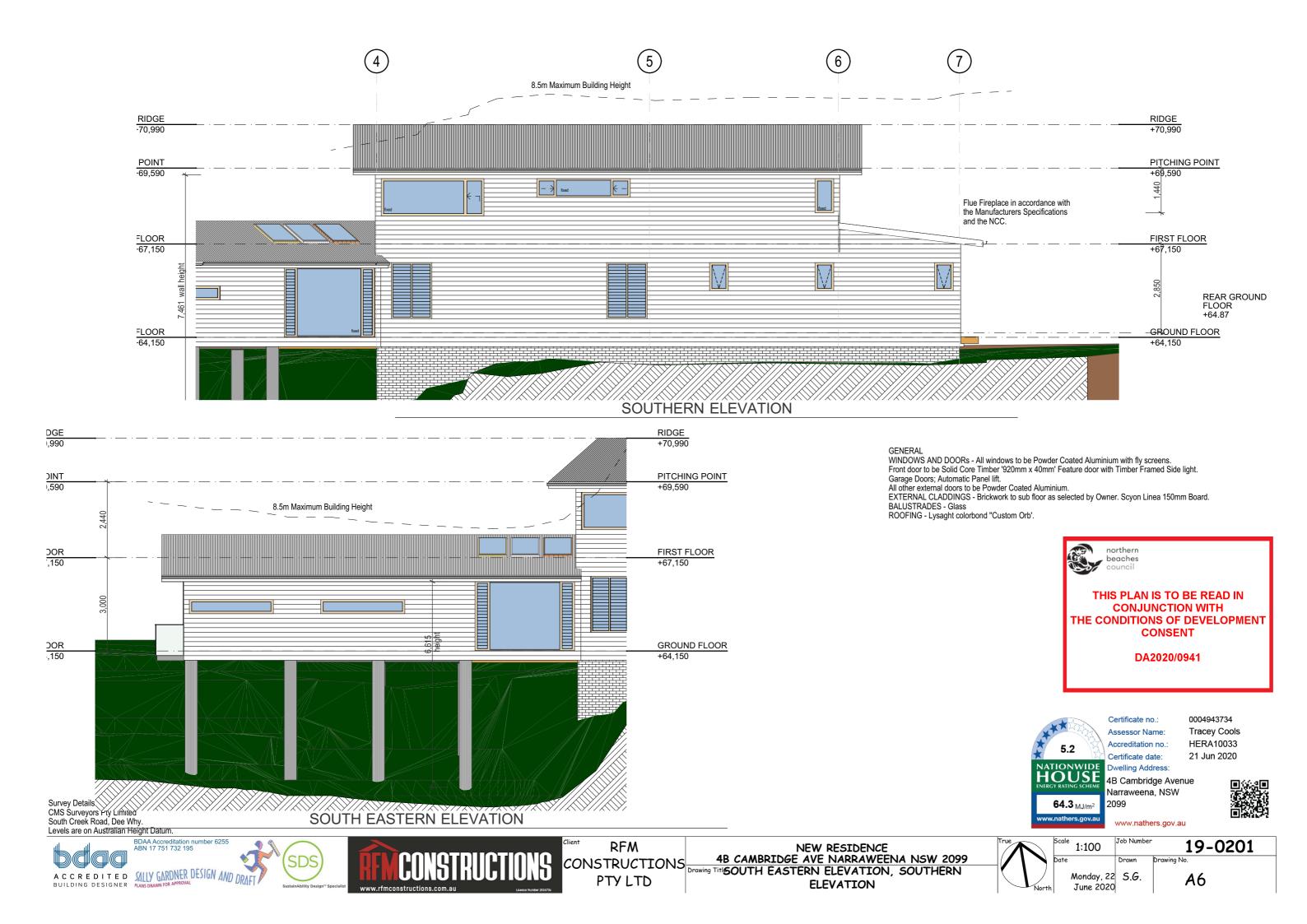
NEW RESIDENCE 4B CAMBRIDGE AVE NARRAWEENA NSW 2099 **ELEVATION SHEET 2**

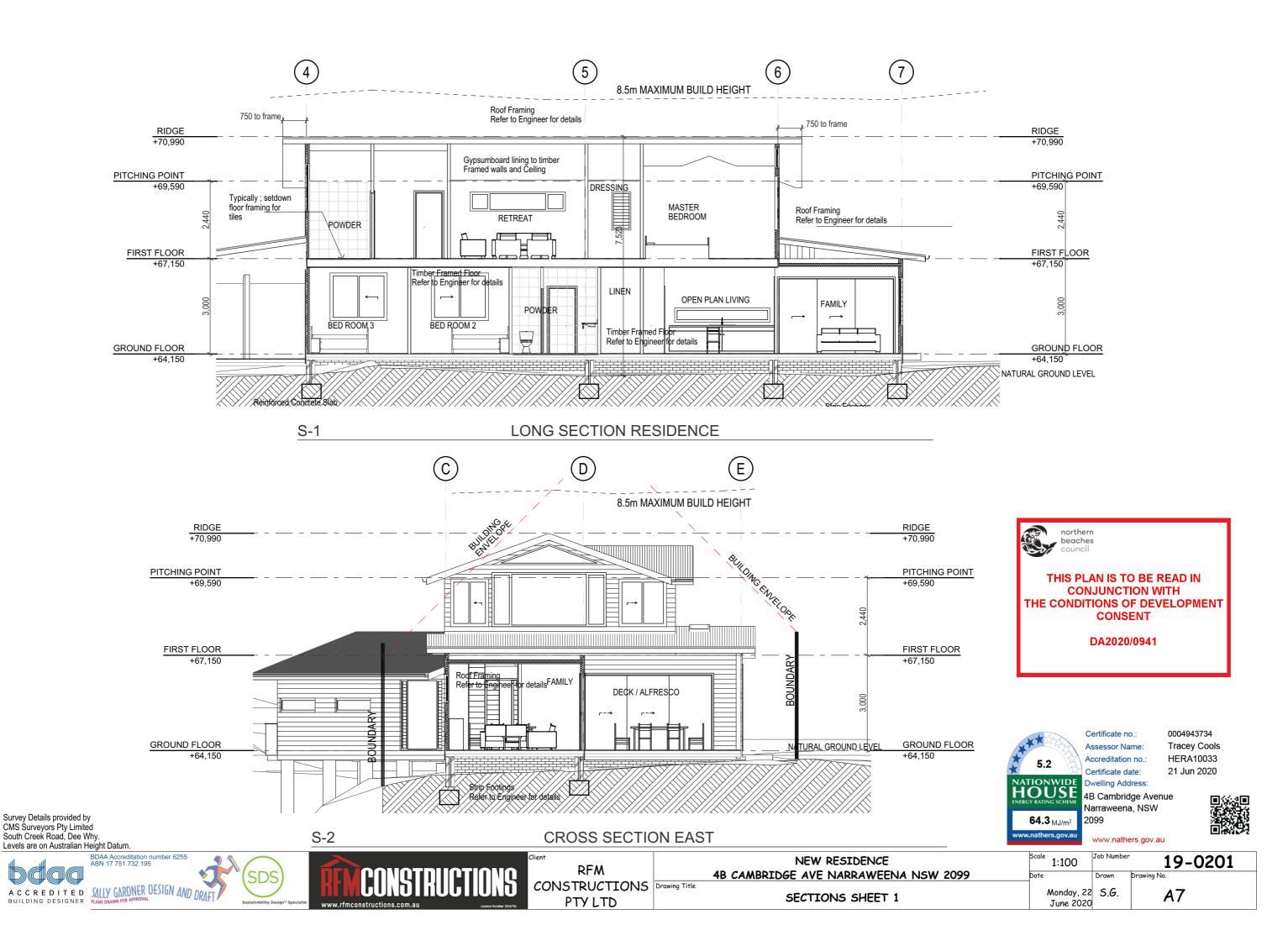
Job Number 19-0201

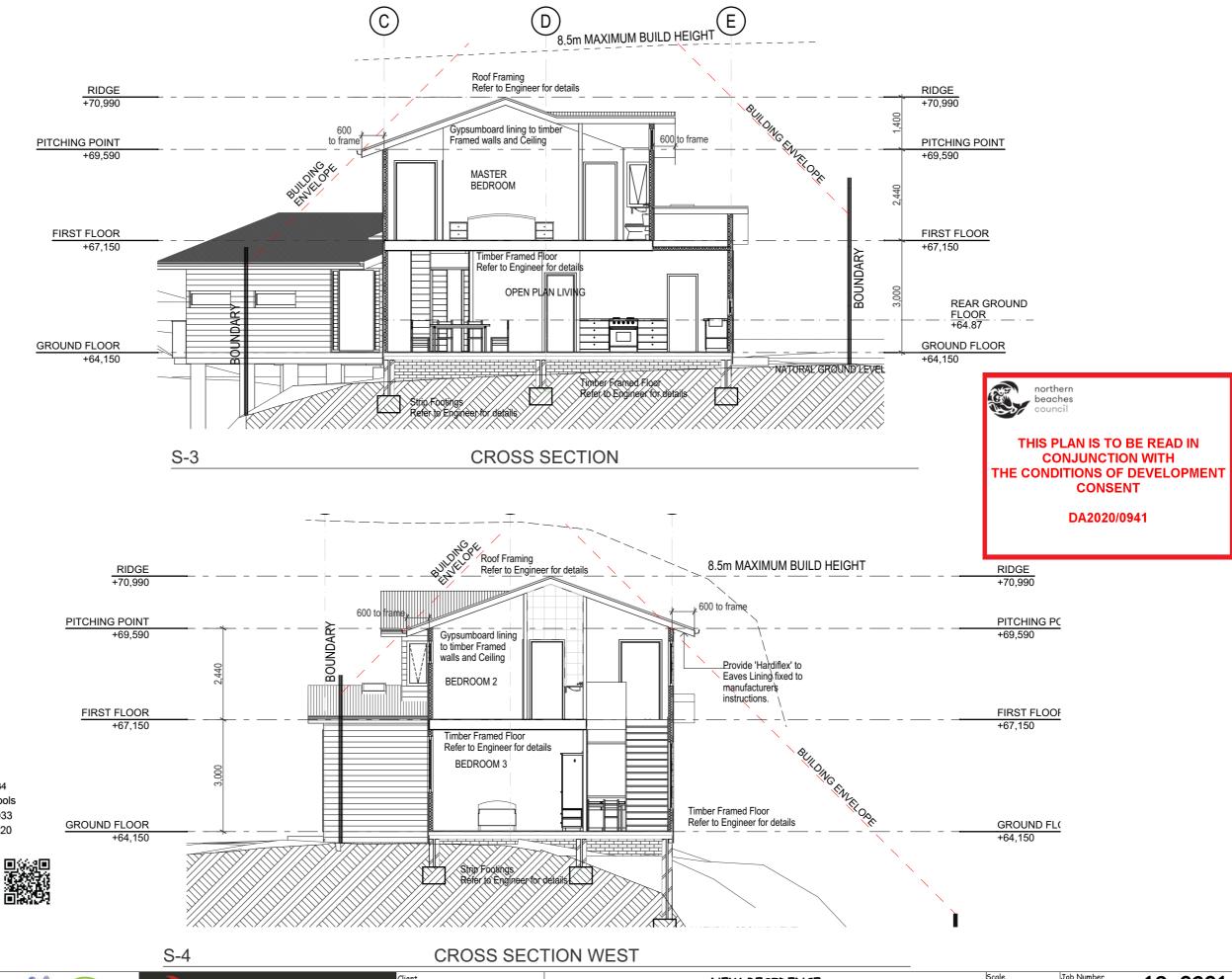
Monday, 22 S.G. June 2020

Scale

*A*5







5.2 NATIONWIDE HOUSE 64.3_{MJ/m²}

Certificate no.: 0004943734 Tracey Cools HERA10033 21 Jun 2020 Certificate date:

Dwelling Address: 4B Cambridge Avenue Narraweena, NSW 2099

www.nathers.gov.au

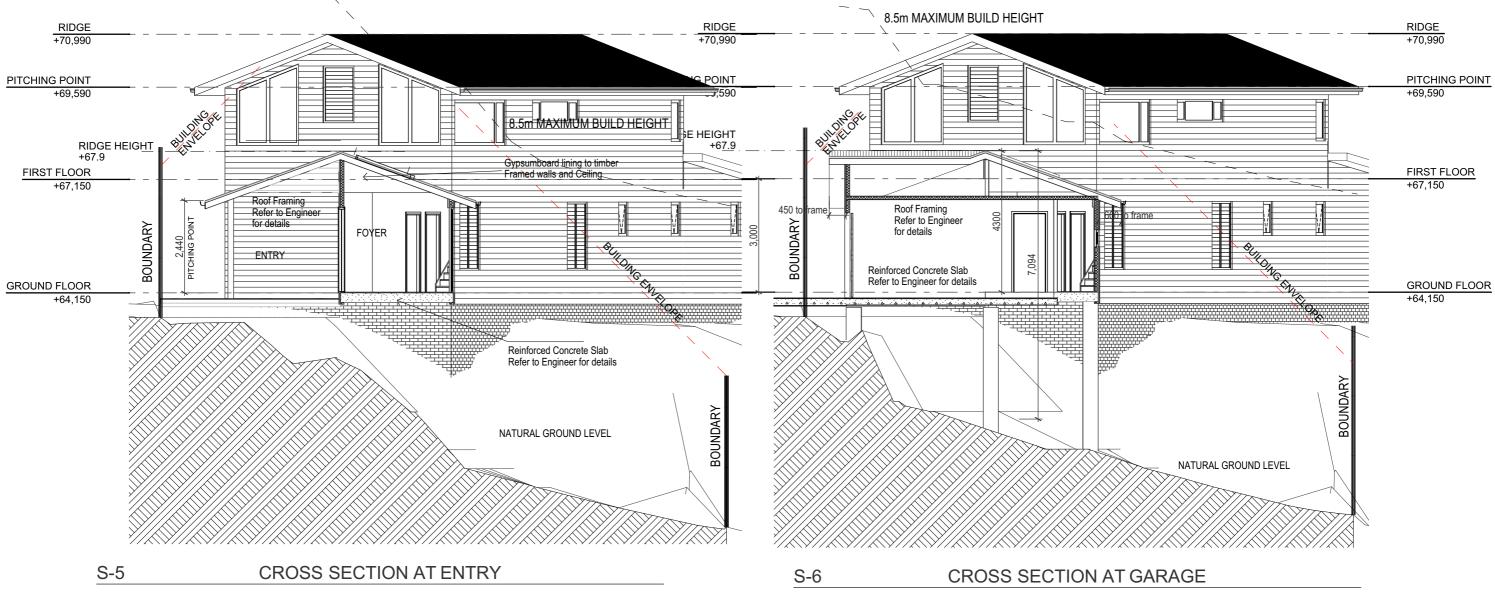
Survey Details provided by CMS Surveyors Pty Limited South Creek Road, Dee Why

Levels are on Australian Height Datum.



Client RFM	NEW RESIDENCE	1:100	Job Number	19-0201
	4B CAMBRIDGE AVE NARRAWEENA NSW 2099	Date	Drawn	Drawing No.
CONSTRUCTIONS		Monday, 22	56	4.0
PTY LTD	SECTIONS SHEET 2	June 2020		A8





RFM

PTY LTD

5.2 HOUSE 64.3 MJ/m²

Certificate no.: Certificate date: **Dwelling Address:** 0004943734 Tracey Cools HERA10033 21 Jun 2020

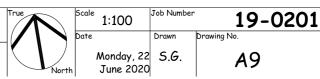
4B Cambridge Avenue Narraweena, NSW

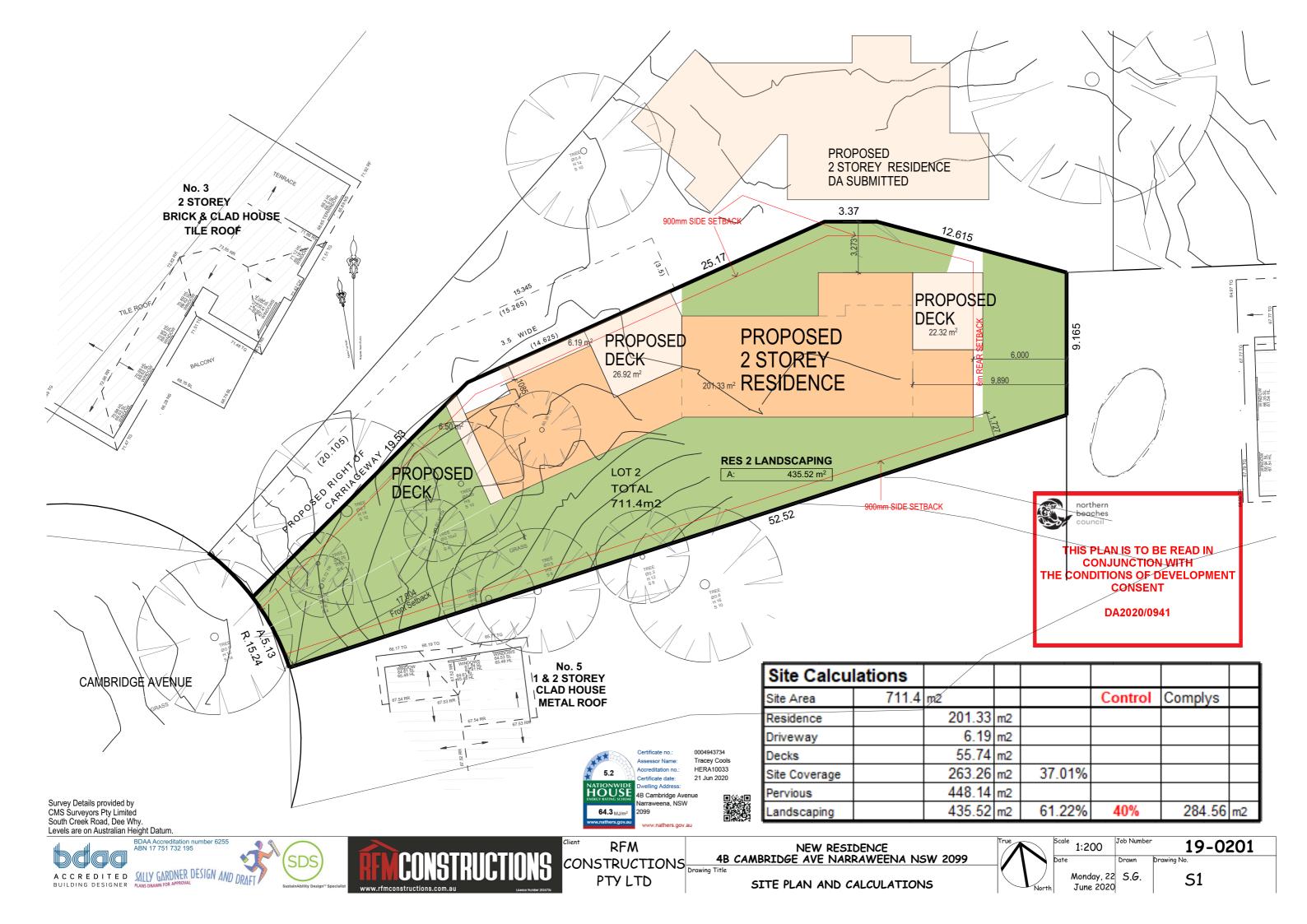
Survey Details provided by CMS Surveyors Pty Limited South Creek Road, Dee Why Levels are on Australian Height Datum.

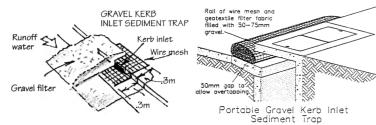




NEW RESIDENCE 4B CAMBRIDGE AVE NARRAWEENA NSW 2099 CONSTRUCTIONS 48 CAMBRIDGE AVE NARRAWELING TO THE Draw CROSS SECTION AT ENTRY, CROSS SECTION AT GARAGE







GUTTER PROTECTION

Provide protection to down hill Grate in Gutter by means of Sand bags or blue metal wrapped in geotextle fabric. When soil or sand builds up around this sediment barrier, the material should be relocated to the site for disposal.

SITE ACCESS

Vehicular access to the site must be via a single entry point that is stabilised to prevent the tracking of sediment onto the roads and footpath.

Soil, earth, mud, clay, concrete washing, paint or similar materials must be removed from the roadway, by means other than washing, on a daily basis.

ON-GOING WASTE MANAGEMENT

Residents to manage waste on a daily basis - by seperating materials into re-usables, recyclables, waste and garden organics for inclusion in appropriate disposal bins. Bins to be placed kerbside on specified days for collection by council.

ON-SITE PRACTICES

All trenches must be filled immediately after services are laid.

Excess materials such as cement, water from tool cleaning, paintbrushes and brick and concrete slurry, must not be washed into stormwater system

It is against the law to pollute waters with any solid, liquid or gas. Where possible construct a depression or earth dam below brick, concrete or tile cutting.

If this is not possible, pass water through a filter.

SEDIMENT NOTE:

- 1. All Erosion and Sedimnet Control measures to be inspected and maintained daily, by the site manager.
- 2. Minimise disturbed areas, remove excess soil from excavation area as soon as possible
- 3. All material stockpile to be clear from drains, gutters and footpaths, or within sediment fence.
- 4. Drainage to be connected to Stormwater as soon as possible. If stored on site, it must be filtered before releasing into the stormwater system or waterways.
- 5. Roads and footpaths to be swept daily.

BUILDING WASTE DISPOSAL

All waste materials are to be sorted and transported to the local authorized waste management centre for potential re-use or recycling.

Garden waste to be delivered to an authorized Recycling centre for chipping for reuse as mulch. Any Asbestos materials located on the site during the demolition process is to be properly disposed of in accordance with the guidelines of the relevant regulatory authority. Every attempt will be make to keep waste to a minimum.

STOCK PILES

All stockpiles are to be kept on-site where possible. Any materials placed on the footpaths or nature strips requier council's permission.

All stockpiles are to be placed away from the drainage lines and street gutters. It is best to locate these on the highest part of the site if possible. Place waterproof covering over stockpiles. If required provide diversion drain & bank around stockpiles.

DUST CONTROL

To reduce dust generated by wind action, the removal of the top soil is to be minimised. To prevent dust generation, watering down of the site, especailly during the movement of machinery

Where excavating into rock, keep the surface moist to minimise dust. Construct a gravel entry/exit point using blue metal and restrict all vehicle movements within the site to a minimum.

Ensure wind breaks, such as existing fences are maintained during the construction phase until new landscaping is provided or reinstated.

Prevent dust by covering stockpiles.

Survey Details provided by CMS Surveyors Pty Limited South Creek Road, Dee Why Levels are on Australian Height Datum.



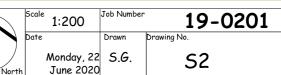






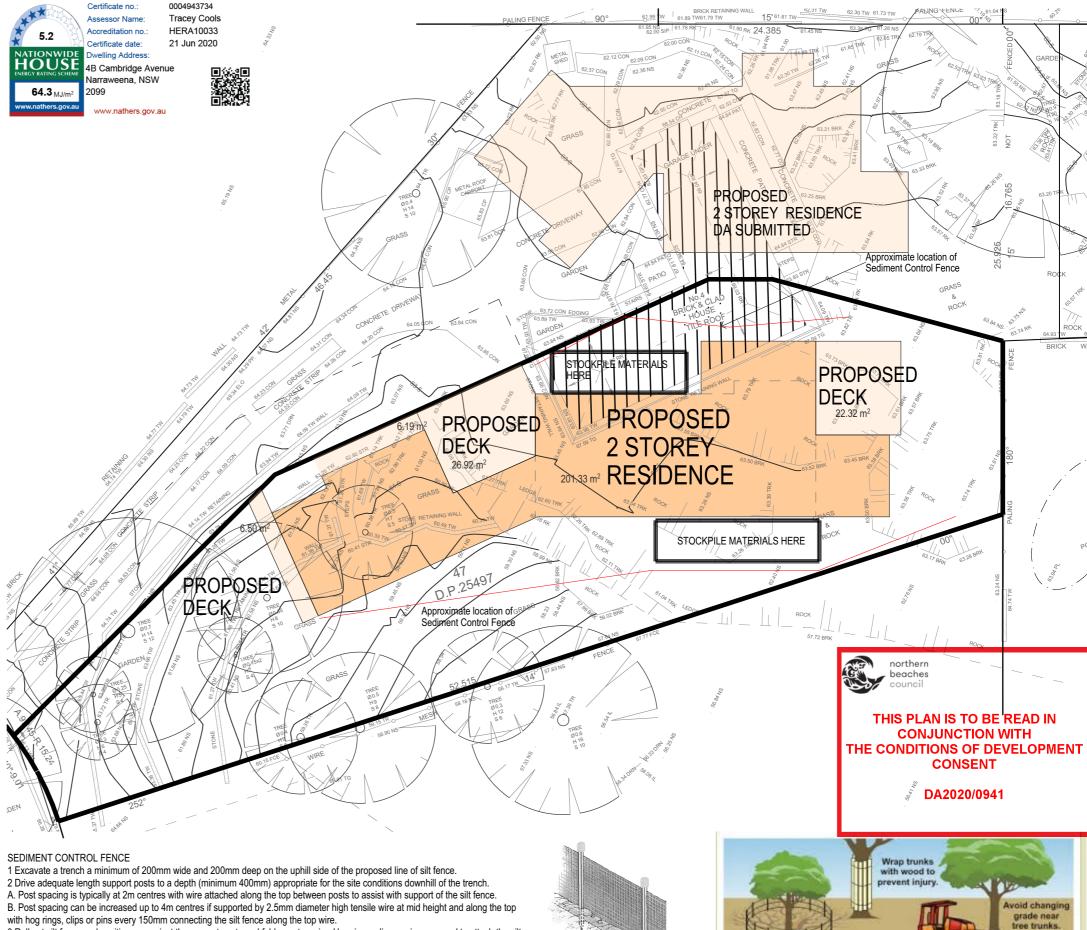
SITE MANAGEMENT, Sediment and Erosion Control





Fence off

as much root



3 Roll out silt fence and position up against the support posts and fold over top wire. Hog rings, clips or pins are used to attach the silt fence to the top wire (at the required spacing).

4 Bury bottom section along the base and up the side of the trench leaving a minimum exposed height of 600mm and backfill with soil. Compact to ensure good anchorage. Place safety caps on posts.