

SUBJECT SITE

PROPOSED SECONDARY DWELLING

No.49 Forest Way, Frenchs Forest,

NSW 2086

Lot 1A in DP 382200

DEVELOPMENT APPLICATION DA

| | SHEET LIST |
|--------------|---|
| SHEET NUMBER | SHEET NAME |
| A02.03 | SETBACK PLAN |
| A02.04 | SITE PLAN |
| A02.05 | SITE ANALYSIS & SUN DIRECTION |
| A02.06 | WASTE MANAGEMENT AND SEDIMENT EROSION CONTROL PLANS |
| A03 | PROPSOED GROUND FLOOR |
| A04 | ELEVATIONS |
| A05 | SECTION PLAN |
| A06 | LANDSCAPE PLAN |
| A07 | LANDSCAPE PLAN |
| A08 | SHADOWS DIAGRAM-9AM |
| A09 | SHADOWS DIAGRAM-12PM |
| A10 | SHADOWS DIAGRAM-3PM |

20 10 0 10 20 30 40 50 100mm

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BUILDING DESIGNER

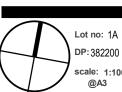
BULDING DESIGNE

ADDITION OF ASTRON

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Nay, Frenchs Forest

Address:



Client: AHMAF

Drawn by :AK



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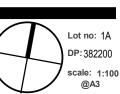


A02.03

Forest Way, Frenchs Fore

SECONDARY DWELLING

Address:



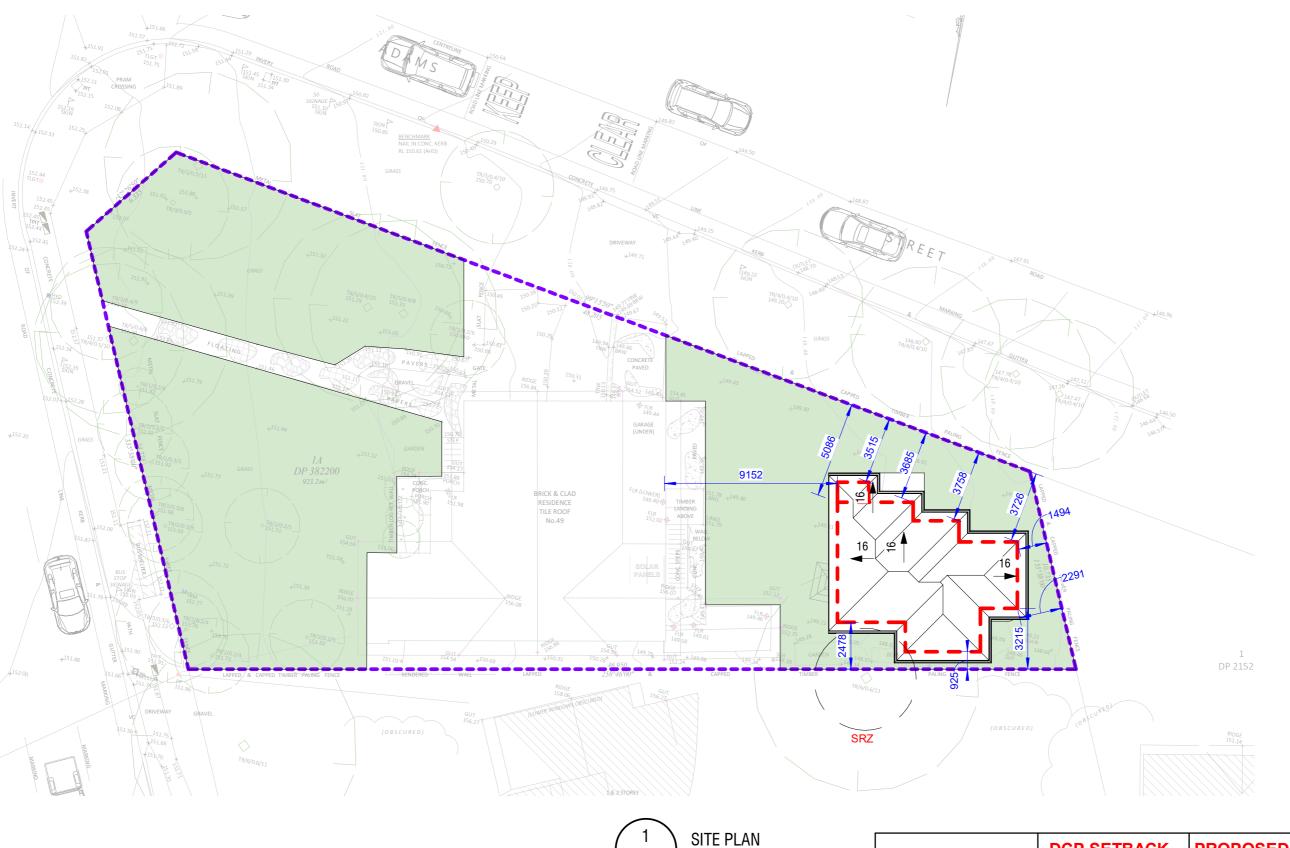
Client: AHMAD

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20 10 0 10 20 30 40 50 100mm





SITE CALCULATIONS FLOOR AREA CALCULATIONS

AREA OF THE EXISTING HOUSE FLOOR:

SITE COVERAGE CALCULATION

PROPOSED AREA:

LANDSCAPING CALCULATIONS

AREA OF THE PROPOSED GRANNY FLAT:

PROPOSED TOTAL LANDSCAPED AREA:

PROPOSED TOTAL FLOOR AREA: 182m²

923.2m²

130m²

285m²

SITE AREA:

| | DCP SETBACK | PROPOSED |
|---------------|-------------|----------|
| FRONT SETBACK | 6.5M | EXISTING |
| SECONDARY RD | 3.5M | 3.5M |
| SIDE SETBACK1 | 0.9M | 0.925M |
| SIDE SETBACK2 | 0.9M | 1.495M |

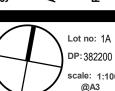
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ACCREDITED

A02.04

SECONDARY DWELLING

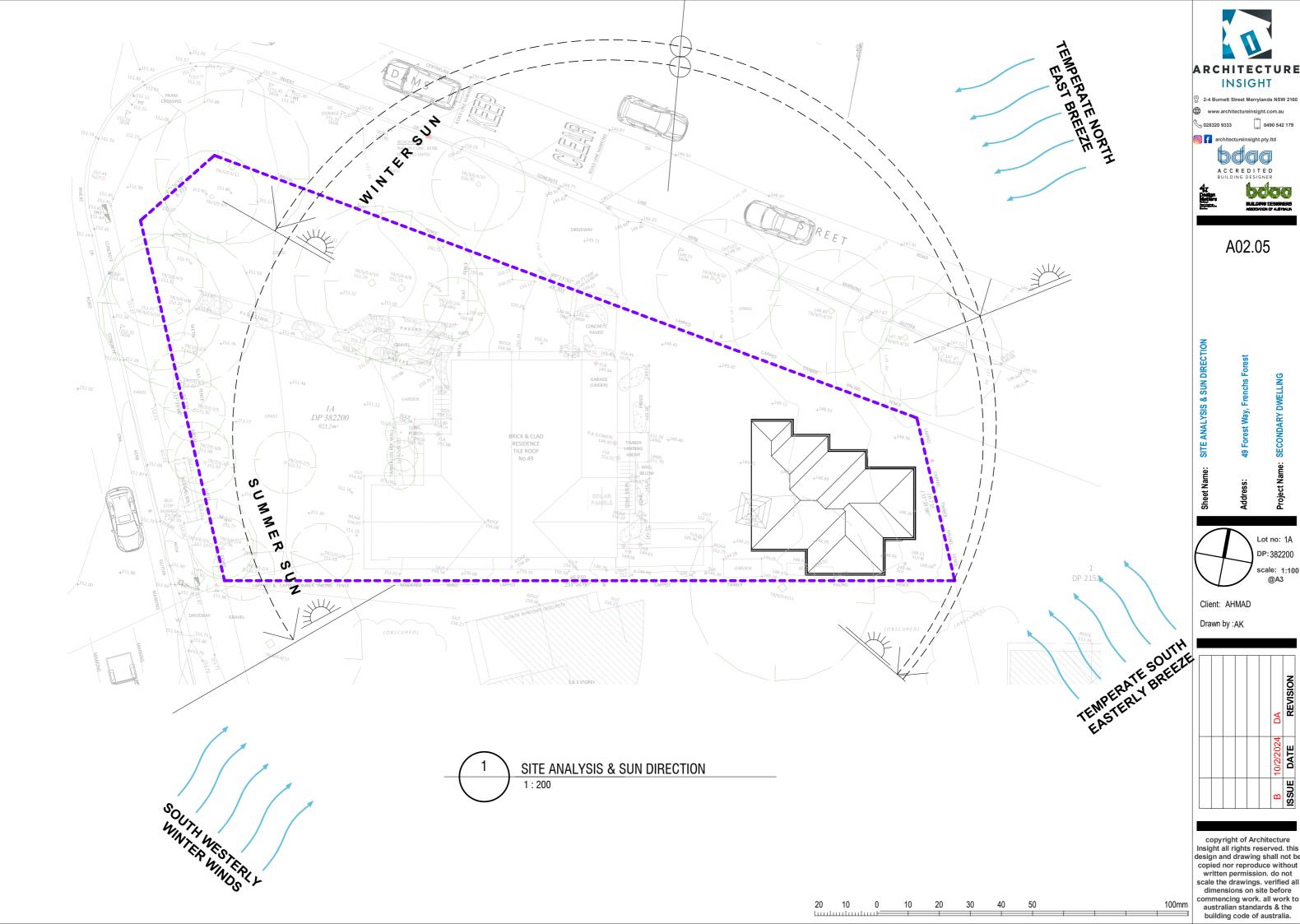


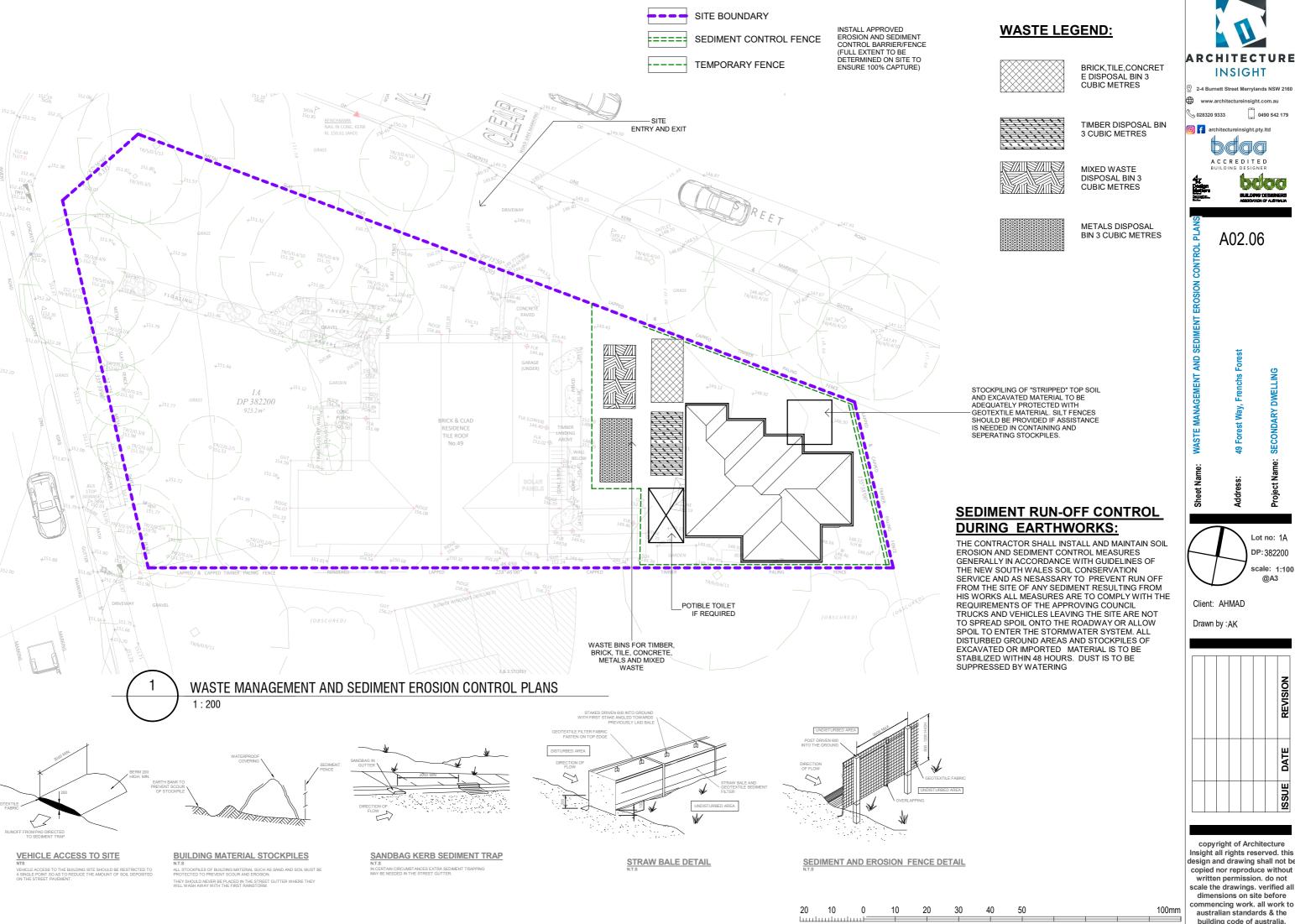
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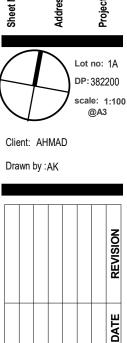
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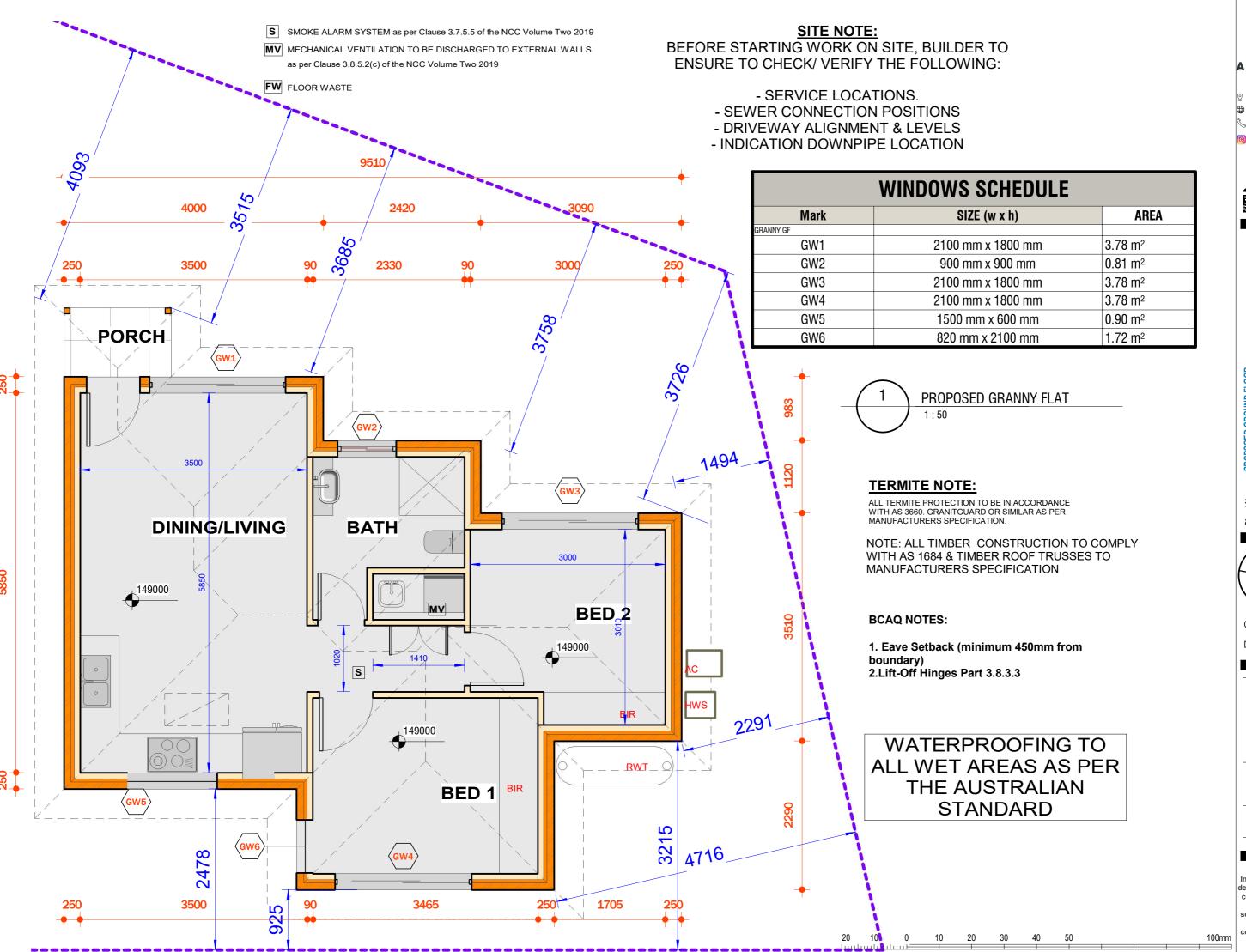
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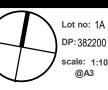
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A C C R E D I T E D BUILDING DESIGNER

A03

49 Forest Way, Frenchs Fo

Project Na

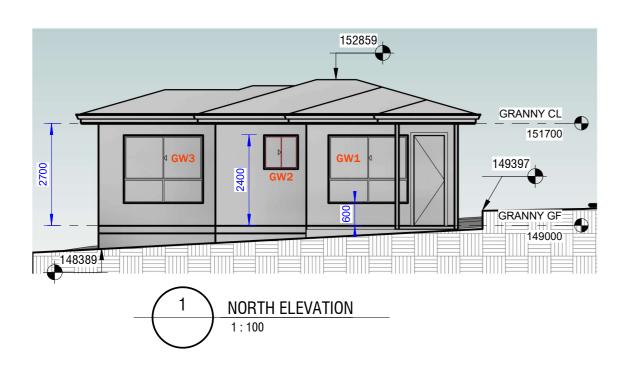


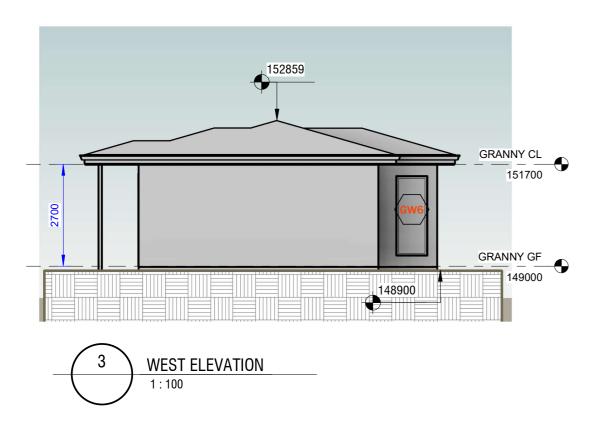
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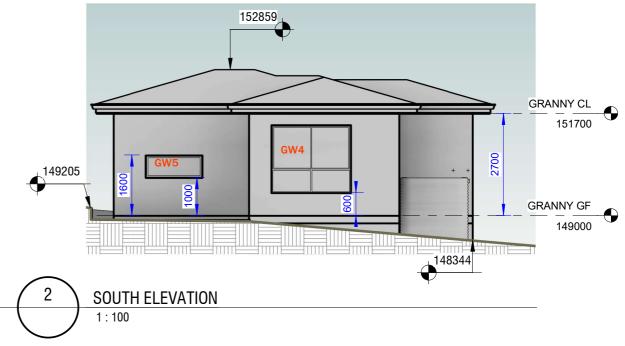
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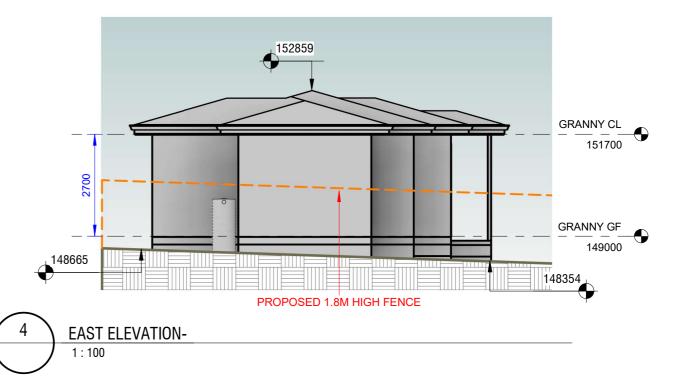


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A04

49 Forest Way, Frenchs

SECONDARY DWELLING

200

Lot no: 1A
DP: 382200
scale: 1:100
@A3

Client: AHMAD

Drawn by : AK



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Single Dwelling

Certificate number: 1412890S_03

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2020 published by the Department. This document is available at www.basix.nsw.gov.au

It is the responsibility of the applicant to verify with the consent authority that the original, or any revised certificate, compiles with the requirements of Schedule 1 Clause 2A, 4A or 6A of the Environment Planning and Assessment Regulation 2000

Secretary
Date of issue: Sunday, 03 December 2023
To be valid, this certificate must be lodged within 3 months of the date of issue.



| Certificate Pr | repared by | |
|--------------------|------------------------------------|--|
| Name / Company | Name: Architecture Insight Pty Ltd | |
| ABN (if applicable | : 82647312007 | |

nment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_03_01_0 Certificate No.: 1412890S_03 Sunday, 03 December 2023

Description of project

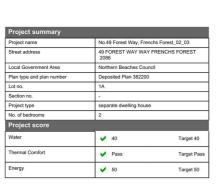
| i roject address | |
|---|--|
| Project name | No.49 Forest Way, Frenchs Forest_02_03 |
| Street address | 49 FOREST WAY WAY FRENCHS FOREST 2086 |
| Local Government Area | Northern Beaches Council |
| Plan type and plan number | Deposited Plan 382200 |
| Lot no. | 1A |
| Section no. | - |
| Project type | |
| Project type | separate dwelling house |
| No. of bedrooms | 2 |
| Site details | |
| Site area (m²) | 923 |
| Roof area (m²) | 76 |
| Conditioned floor area (m²) | 54.0 |
| Unconditioned floor area (m²) | 6.0 |
| Total area of garden and lawn (m²) | 60 |
| Roof area of the existing dwelling (m²) | 0 |

| Assessor number | n/a | |
|--|-------------|-------------|
| Certificate number | n/a | |
| Climate zone | n/a | |
| Area adjusted cooling load (MJ/ m².year) | n/a | |
| Area adjusted heating load (MJ/ m².year) | n/a | |
| Ceiling fan in at least one bedroon | n/a | |
| Ceiling fan in at least one living room or other conditioned area | n/a | |
| Project score | | |
| Water | ✓ 40 | Target 40 |
| Thermal Comfort | ✓ Pass | Target Pass |
| Energy | ✓ 50 | Target 50 |

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

| Water Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|------------------------------|--------------------|
| Fixtures | | | |
| The applicant must install showerheads with a minimum rating of 4 star (> 4.5 but <= 6 L/min plus spray force and/or coverage tests) i all showers in the development. | n | ~ | ~ |
| 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 | | | |
| Alternative water Rainwater tank | | | |
| | - | | _ |
| Rainwater tank The applicant must install a rainwater tank of at least 1800 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 numfil from at least 65 square metres of the roof area of the | - | · · | ~ |
| Rainwater tank The applicant must install a rainwater tank of at least 1800 litres on the site. This rainwater tank must meet, and be installed in | ~ | · · | ~ |
| Rainwater tank The applicant must install a rainwater tank of at least 1800 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 unroff from at least 65 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam). | ~ | · · | ~ |



| Thermal Comfort Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|--|---------------------|------------------------------|--------------------|
| Do-it-yourself Method | | | |
| General features | | | |
| The dwelling must not have more than 2 storeys. | ~ | ~ | ~ |
| The conditioned floor area of the dwelling must not exceed 300 square metres. | ~ | ~ | ~ |
| The dwelling must not contain open mezzanine area exceeding 25 square metres. | ~ | ~ | ~ |
| The dwelling must not contain third level habitable attic room. | ~ | ~ | ~ |
| Floor, walls and ceiling/roof | | | |
| The applicant must construct the floor(s), walls, and ceilingroof of the dwelling in accordance with the specifications listed in the table below. | - | | |

SECTION PLAN

148691

1:100

| Const | ruction | Additional insulation required (R-Value) | Other specifications |
|---------|---|---|---|
| floor - | concrete slab on ground | nil | |
| externa | al wall - brick veneer | 1.86 (or 2.40 including construction) | |
| externa | al wall - cavity brick | 0.50 (or 1.17 including construction) | |
| ceiling | and roof - flat ceiling / pitched roof | ceiling: 3.5 (up), roof: foil/sarking | unventilated; medium (solar absorptance 0.475-0.70) |
| | | • | |
| Note | Insulation specified in this Certificate must be insta | lled in accordance with Part 3.12.1.1 of the Building Code of Aus | stralia. |
| Note | · In some climate zones, insulation should be installed | ed with due consideration of condensation and associated intera | ction with adjoining building materials. |

| Thermal Comfort Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|------------------------------|--------------------|
| Windows, glazed doors and skylights | | | |
| The applicant must install the windows, glazed doors and shading devices described in the table below, in accordance with the specifications listed in the table. Relevant overshadowing specifications must be satisfied for each window and glazed door. | - | ~ | ~ |
| The dwelling may have 1 skylight (<0.7 square metres) which is not listed in the table. | - | ~ | ~ |
| The following requirements must also be satisfied in relation to each window and glazed door: | _ | ~ | ~ |
| For the following glass and frame types, the certifier chack can be performed by visual inspection. | | | - |
| - Aluminium single clear | | | 1 |
| - Aluminium double (air) clear | | | 1 |
| - Timber/uPVC/fibreglass single clear | | | 1 |
| - Timber/uPVC/fibreglass double (air) clear | | | 1 |

| Vindow/glazed door no. | Maximum height (mm) | Maximum width (mm) | Туре | Shading Device (Dimension within 10%) | Overshadowing |
|------------------------|---------------------|--------------------|--------------------------|---|------------------|
| North facing | | | | | |
| GW1 | 1800.00 | 2100.00 | aluminium, single, clear | eave 450 mm, 600 mm above head of window or glazed door | not overshadowed |
| GW2 | 900.00 | 600.00 | aluminium, single, clear | eave 450 mm, 600 mm above head of window or glazed door | not overshadowed |
| GW3 | 1800.00 | 2100.00 | aluminium, single, clear | eave 450 mm, 600 mm above head of window or glazed door | not overshadowed |
| South facing | • | · | | | |

| Windowiglazed door no. | Maximum height (mm) | Maximum width (mm) | Туре | Shading Device (Dimension within 10%) | Overshadowing |
|------------------------|---------------------|--------------------|--------------------------|---|------------------|
| GW4 | 1800.00 | 2100.00 | aluminium, single, clear | eave 450 mm, 300 mm above head of window or glazed door | not overshadowed |
| GW5 | 600.00 | 1500.00 | aluminium, single, clear | eave 450 mm, 600 mm above head of window or glazed door | not overshadowed |
| | | | | glazed door | |
| | | | | | |
| | | | | | |
| | | | | | |
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152859

CONCRETE SLAB ENGINEERS DESIG COLOURBOND ROOF SHEETING

BULK INSULATION AS PER BASIX

-13mm GYPROCKS CEILING

SARKING AS PER BASIX CERTIFICATE

TIMBER BATTEN TO AS 1684

-RAFTERS TO AS 1684

| Energy Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|---------------------------------|-----------------|
| 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 4 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: 1-phase airconditioning: Energy rating: 4.5 Star (old label) | | _ | ~ |
| The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning; Energy rating: 4 Star (old label) | | ~ | ~ |
| Heating system | | | |
| The living areas must not incorporate any heating system, or any ducting which is designed to accommodate a heating system. | | ~ | ~ |
| The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system. | | ~ | ~ |
| Ventilation | | | |
| The applicant must install the following exhaust systems in the development: | | | |
| At least 1 Bathroom: individual fan, ducted to façade or roof; Operation control: manual switch on/off | | ~ | ~ |
| Kitchen: individual fam, ducted to façade or roof; Operation control: manual switch on/off | | ~ | ~ |
| Laundry: individual fan, ducted to façade or roof; Operation control: manual switch on/off | | ~ | ~ |
| Artificial lighting | | | |
| 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 "dedicates" appears, the fittings for those lights must only be capable of accepting fluorescent or light entiting dock (LED) larger. | | | |
| at least 2 of the bedrooms / study; dedicated | | | |

| Energy Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|------------------------------|-----------------|
| at least 2 of the living / dining rooms; dedicated | | ~ | ~ |
| the kitchen; dedicated | | _ | _ |
| all bathrooms/toilets; dedicated | | | |
| the laundry; dedicated | | | |
| all hallways; dedicated | | | - |
| 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 1 bathroom(s)/toilet(s) in the development for natural lighting. | | ~ | - |
| Other | | | |
| The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling. | | ~ | |
| The applicant must install a fixed outdoor clothes drying line as part of the development. | | _ | |
| | | | |

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ARCHITECTURE INSIGHT ② 2-4 Burnett Street Merrylands NSW 2160 028320 9333 0490 542 179 architectureinsight.pty.ltd bdaa A C C R E D I T E D BUILDING DESIGNER

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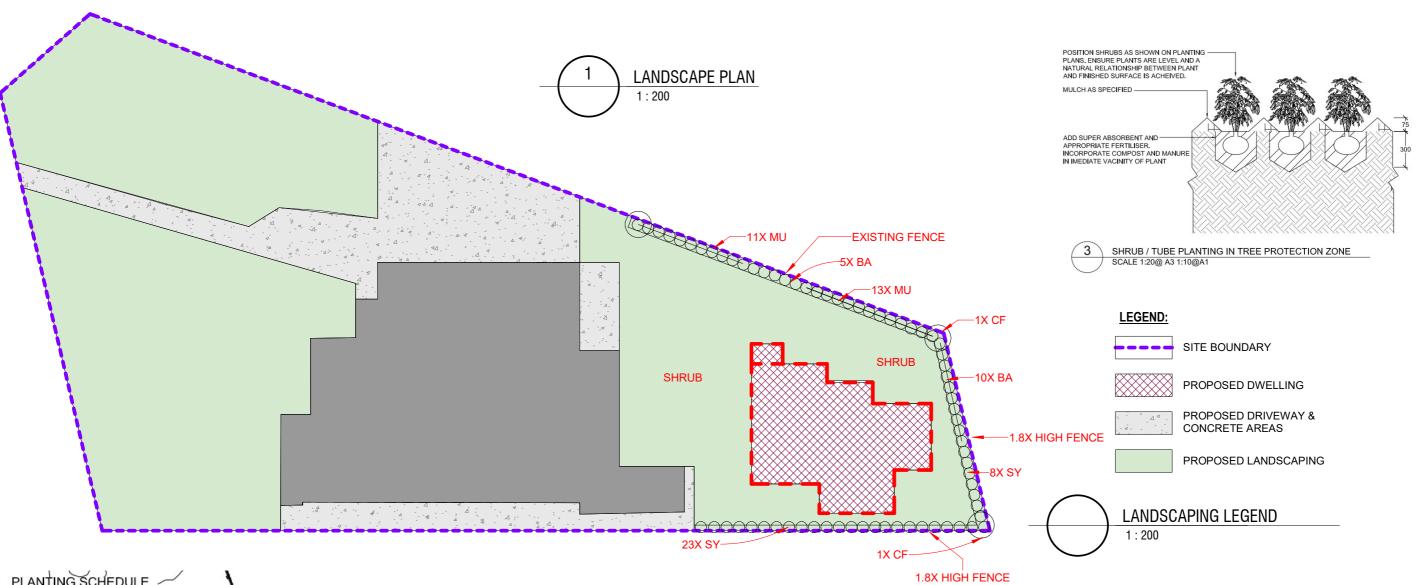
DP: 382200 scale: 1:100

Client: AHMAD

Drawn by :AK



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| Code | Botanical Name | Common Name | Height (m) | Width (m) | Density | Pot Size |
|--------|--------------------------------------|------------------------|------------|-----------|----------|----------|
| Trees | | | | | | |
| Сс | Corymbia citriodora | Lemon Scented Gum | 20m | 8m | As Shown | 100L |
| Cf | Corymbia ficifolia 'Fairy Floss' | Dwarf Flowering Gum | 6m | 4m | As Shown | 100L |
| Co | Corymbia gummifera | Red Bloodwood | 20m | 8m | As Shown | 100L |
| La | Lagerstroemia indica 'Natchez' | White Crepe Myrtle | 8m | 6m | As Shown | 100L |
| Wa | Waterhousea floribunda 'ST1' Whisper | Weeping Lilly Pilly | 8m | 5m | As Shown | 100L |
| Shrubs | | | 100 | | | 27 |
| Ac | Acacia cognata 'Limelight' | Dwaft Wattle | 1m | 1.2m | 1m | 200mm |
| Ad | Adenanthos sericeus compact | Dwarf Wooly Bush | 1.2m | 1.2m | 1m | 200mm |
| Ar | Art hropodium cirrat um | New Zealand Rock Lilly | 0.8m | 0.8m | As Shown | 140mm |
| As | Acema smithiii 'Forest Flame' | Lilly Pilly | 2m | 1m | 0.9m C | 200mm |
| Ва | Banksia spinulosa 'Birthday Candles' | Prostrate Banksia | 0.5m | 1m | 0.8m | 200mm |
| Су | Cycas revoluta | Sago Palm | 1.2m | 1.2m | As Shown | 200mm |
| Ga | Gardenia florida | Gardenia | 1m | 1m | 0.9m C | 200mm |
| Gr | Grevillea 'Robyn Gordon' | Grevillea | 1.2m | 1.2m | 1m | 200mm |
| Gv | Grevillea villea | Grevillea | 0.8m | 0.8m | 0.7m | 140mm |
| Mu | Murraya paniculata 'Sweet Privacy' | Orange Jasmine | 2m | 1.5m | 1m | 300mm |
| Ph | Philodendron xanadu | Xanadu | 0.8m | 0.8m | 0.7m | 200mm |
| St | Strelitzia reginae | Bird of Paradise | 1m | 1.5m | As Shown | 200mm |
| Sy | Syzigium 'Resilience' | Lilly Pilli | 3m | 1.5m | 1m | 300mm |
| We | Westringia 'Blue Gem' | Native Rosemary | 1.2m | 1.2m | 1m | 200mm |
| Grasse | s and Flaxes | | | | | |
| An | Anigozanthos 'Bush Pearl' | Kangaroo Paw | 0.6m | 0.6m | As Shown | 140mm |
| Di | Dieties iriodoides | Flag Iris | 0.6m | 0.6m | As Shown | 140mm |
| Lo | Lomandra 'Tanika' | Matt Rush | 0.6m | 0.6m | As Shown | 140mm |
| Mixed | Grasses - 32 plants total (Mg) # | | | | | |
| Mg | Dianella revoluta | Flax Lilly | 0.6m | 0.6m | As Shown | 140mm |
| | Dieties iriodoides | Flag Iris | 0.6m | 0.6m | As Shown | 140mm |
| | Lomandra 'Tanika' | Matt Rush | 0.6m | 0.6m | As Shown | 140mm |
| Ground | dcovers | | | | | 10 |
| Dr | Dichondra 'Silver Falls' | Ponys Foot | 0.1m | 1m | 0.3m C | 140mm |
| Mn | Myoporoum parvifolium 'Yareena' | Creeping Boobialla | 0.2m | 1m | 1/m²* | 140mm |
| | Grevillea 'Mt Tamboritha' | Groundcover Grevillea | 0.2m | 1m | 1/m²* | 140mm |

Contractor to confirm numbers on site prior to ordering planting stock.

* Mixed groundcovers - total of two plants per m²

Mixed grasses to be planted in clumps of 3 or 5 of the same species.

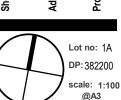




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A06



Client: AHMAD

Drawn by :AK



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LANDSCAPE SPECIFICATION NOTES SITE PREPARATION

Locate any underground and overground services & ensure no damage occurs. Levels on plan are nominal only & all dimensions to be checked on site prior to commencement. Final structural integrity of all items shall be the sole responsibility of landscape contractor.

PROTECTION OF EXISTING TREES:

Prior to commencement of work, a continuous Tree Protection Fence shall be erected around the perimeter of the Tree Protection Zone (TPZ) in accordance with the tree protection requirements set out in the associated arboricultural report. The Tree Protection Fence shall be a minimum of 1800mm high chain link fabric on 2400mm star picket or 50 Ømm GWI pipe anchor posts driven 600mm into the ground.

Take necessary precautions to protect the Structural Root Zone (SRZ) as per AS 4970-2009 Australian Standard for Protection of Trees on Development Sites. Tree protection measures shall remain intact until the completion of all construction works. A 600mm x 450mm prohibition sign complying with ASB319 stating "NO ENTRY - TREE PROTECTION ZONE" and including contact details of the site foreman is to be attached to the fence

Prohibited Works or material storage within the TPZ as per AS 4970-2009 except with approval of council:

- entry of machinery or storage of building materials
- parking of any kind of vehicle
- erection or placement of site facilities
- removal or stockpiling of soil or site debris
- disposal of liquid waste including paint & concrete wash
- excavation or trenching of any kind (including irrigation or electrical connections).
- attaching any signs or any other objects to the tree
- placement of waste disposal or skip bins
- pruning and removal of branches, other than those by a qualified Arborist

Compacted Ground/Coring: Avoid compaction of the ground under trees. If compaction nevertheless occurs loosen the soil by Coring. Coring to be carried out by a qualified Arborist.

ELIMINATE WEEDS

Remove all existing weeds by hand, wiping or spraying with a glyphosate based herbicide. Weed control shall never be performed by mechanical cultivation or by scraping. <u>Herbicide</u> spraying is to be used to eliminate all existing weeds 30 days prior to planting.

EXCAVATION & SUB SOIL PREPARATION

Excavate garden beds to the depth required and rip or scarify base & sides of pit to a minimum depth of 150mm.

SUB SOIL DRAINAGE

Install drainage layer where there is surface water runoff draining into garden bed areas & where the existing sub-soil has more than 50% clay composition & there is a risk of subsurface water ponding.

Install perforated corrugated ag. line 75-100mm Dia. with geotextile filter sock & backfill to a minimum 200mm using free draining material, reclaimed/recycled where available. Direct flows at a minimum 0.5% fall to sw system. In areas isolated from stormwater system excavate & backfill an appropriate water dispersion pit.

REUSE EXISTING TOPSOIL

Existing site topsoil should be salvaged & appropriately stockpiled where possible.

IMPORTED TOPSOIL

Quality System: AS 4419 or as specified below.

Turf Areas: 'Turf Underlay' as supplied by, ANL p: 02 9450 1444 or approved alternative. Tree Pit and Shrub Planting: 'Premium Garden Mix' as supplied by, ANL p: 02 9450 1444 or approved alternative.

PLANTING

Health & Vigour: Supply plants with foilage size, texture & colour consistent with that shown in healthy specimens of the species.

Balance of Crown: Supply plants with max. variation in crown bulk on opposite sides of stem axis, +/- 20%.

Stock selection should be based on NATSPEC Guide Specifying Trees: a Guide to Assessment of Tree Quality.

STAKING

Install 2 x 1800mm 40x40 hardwood timber stakes with hessian ties to all trees. Provide appropriate support considering exposure to prevailing winds. Stakes and hessian ties to be removed as soon as the tree is self supporting.

MULCHING

Quality system: AS 4454

All planting area to be mulched with 50mm depth of river pebbles unless otherwise specified. Keep mulch 100mm away from plant stem & form a well to stop excessive water runoff. Finish flush with adjacent surfaces.

TURFING

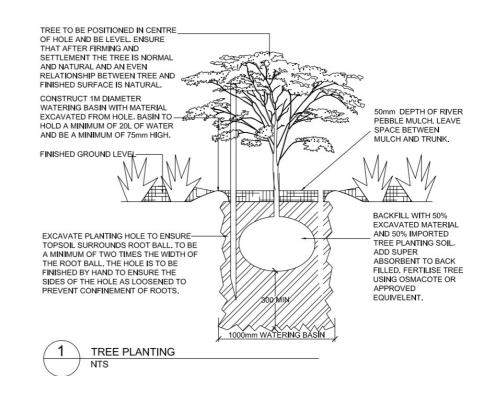
Nara Turf.

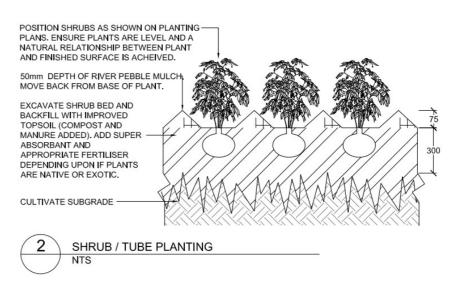
Excavate / grade all areas to be turfed to 120mm below finished levels. Ensure that all surface runoff is directed away from buildings. Ensure that no pooling or ponding will occur. Further rip the subgrade to 150mm. Install 100mm of imported turf underlay. Rolls to be closely butted and laid in a brickwork pattern. Fill any small gaps with topsoil and water thoroughly.

WATERING

Water in immediately after plant installation & allow for soil settlement. For the first 2 to 4 weeks after planting, the root zone & immediate surrounds must be kept moist. Continue watering until plants have established.

All services and infrastructure locations are indicative only. Contractor to confirm location of all services and infrastructure prior to initiating landscape works.





20 10 0 10 20 30 40 50 100m

A07

49 Forest Way, Frenchs Fo

Lot no: 1A DP: 382200 scale: 1:10 @A3

Client: AHMAD

Drawn by :AK



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SHADOWS DIAGRAM-9AM 1:200

> 20 10 0 10 100mm 20 30 40

ARCHITECTURE

INSIGHT

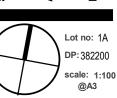
0490 542 179





A08

SECONDARY DWELLING



Client: AHMAD

Drawn by :AK



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SHADOWS DIAGRAM-12PM

1:200

ARCHITECTURE

INSIGHT



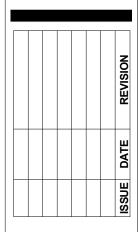


A09

Lot no: 1A **DP**: 382200 scale: 1:100

Client: AHMAD

Drawn by :AK



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20 10 0 10 100mm 20 30

SHADOWS DIAGRAM-3PM 1:200

> 20 10 0 10 100mm 20 30

ARCHITECTURE INSIGHT



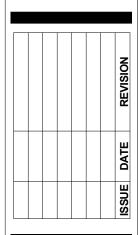


A10

DP: 382200 scale: 1:100

Client: AHMAD

Drawn by :AK



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