

ACTIVITY DETERMINATION

Project No. BGZDY

Conflict of Interest¹

In this matter:

- 1. I have declared any possible conflict of interests (real, potential or perceived) to the Acting Chief Executive, Housing Portfolio, Homes NSW.
- 2. I do not consider I have any personal interests that would affect my professional judgement.
- 3. I will inform the Acting Chief Executive, Housing Portfolio, Homes NSW as soon as I become aware of a possible conflict of interest.

27.05.24

Signed...... Dated..... Dated.... Yolanda Gil Acting Executive Director, Portfolio Strategy and Origination Housing Portfolio Homes NSW

Having regard to the Determination Recommendation Report, the Statement of Compliance and the Review of Environmental Factors for this project addressing matters under Part 5 of the *Environmental Planning and Assessment Act 1979*, I determine that the activity proceed as described below and subject to the identified requirements set out in **Schedule 1**.

| SITE IDENTIFICATION | | |
|---|---------------------------------|------------------|
| STREET ADDRESS | | |
| Unit/Street No. | Street or property name | |
| 64-70 | Stapleton Avenue | |
| Suburb, town or locality Casino, NSW | | Postcode 2470 |
| Local Government Area(s) | Real property description (Lo | t and DP) |
| Richmond Valley | Lots 8, 9, 10 & 11 in Deposited | Plan 31850 |
| | | |

Provide a description of the activity

DESCRIPTION

Demolition of 4 existing dwellings and structures, removal of trees, and construction of a residential flat building development comprising 13 dwellings (6 x 2 bedroom and 7 x 3 bedroom units) and a multi dwelling housing development comprising 5 dwellings (3 x 2 bedroom and 2 x 3 bedroom units), with associated landscaping and fencing, surface parking for 23 cars, and consolidation of 4 lots into a single lot.

[.] Conflict of interest includes actual and potential. A conflict of interest includes pecuniary i.e. financial interests to you or a related party or non-pecuniary i.e. benefits to relatives, friends, business associates and personal causes, etc. This includes "related persons" as defined in the Property, Stock and Business Agency Act 2002.

Goleede fil Signed..

27.05.24 Dated.....

Yolanda Gil Acting Executive Director, Portfolio Strategy and Origination Housing Portfolio Homes NSW

SCHEDULE 1

Recommended Identified Requirements

PART A – Standard Identified Requirements

THE DEVELOPMENT

The following Identified Requirements are to ensure that the residential activity is carried out in accordance with the plans / documents and any amendments arising from the Review of Environmental Factors under Part 5 of the Environmental Planning & Assessment Act 1979, Section 171 of the Environmental Planning and Assessment Regulation 2021 and the requirements of State Environmental Planning Policy (Housing) 2021

1. The development shall be carried out substantially in accordance with the following plans / documents and as modified below by any of the undermentioned identified requirements:

| Title / Name: | Drawing No. / Document Ref | Revision / Issue: | Date [dd/mm/yyyy]: | Prepared by: | |
|---------------------------------|----------------------------|----------------------|-------------------------|--------------------------|--|
| Architectural Plans – Appendix | A | | | | |
| Coversheet | DA00 | F | 19/03/2024 | Brewster Murray Pty Ltd | |
| Block Analysis Plan | DA01 | С | 19/09/2023 | Brewster Murray Pty Ltd | |
| Site Analysis Plan | DA02 | С | 19/09/2023 | Brewster Murray Pty Ltd | |
| Demolition Plan | DA03 | E | 22/02/2024 | Brewster Murray Pty Ltd | |
| Site Plan | DA04 | F | 19/03/2024 | Brewster Murray Pty Ltd | |
| Ground Floor Plan | DA05 | F | 19/03/2024 | Brewster Murray Pty Ltd | |
| First Floor Plan | DA06 | E | 22/02/2024 | Brewster Murray Pty Ltd | |
| Roof Plans | DA07 | E | 22/02/2024 | Brewster Murray Pty Ltd | |
| Elevations - Sheet 1 | DA08 | F | 19/03/2024 | Brewster Murray Pty Ltd | |
| Elevations - Sheet 2 | DA09 | E | 22/02/2024 | Brewster Murray Pty Ltd | |
| Sections | DA10 | D | 17/10/2023 | Brewster Murray Pty Ltd | |
| Cut & Fill & Retaining Walls | DA11 | D | 17/10/2023 | Brewster Murray Pty Ltd | |
| Shadow Diagrams | DA12 | D | 17/10/2023 | Brewster Murray Pty Ltd | |
| Shadow Diagrams – View from Sun | DA13 | D | 17/10/2023 | Brewster Murray Pty Ltd | |
| Material and Finishes | DA14 | С | 19/09/2023 | Brewster Murray Pty Ltd | |
| Landscape Plan – Appendix B | | | | | |
| Landscape Plan | LA 1 of 1 | D | 18/03/2024 | Greenland Design Pty Ltd | |

| Title / Name: | Drawing No. / Document Ref | Revision / Issue: | Date [dd/mm/yyyy]: | Prepared by: | |
|---|--|----------------------|-------------------------|----------------------------|--|
| Landscape Details and Specification | LA 2 of 2 | D | 18/03/2024 | Greenland Design Pty Ltd | |
| Civil Stormwater Plans – Apper | ndix C | | 1 | | |
| Notes & Legends | C01 | 9 | 19/03/2024 | Greenview Consulting | |
| Ground Floor Drainage Plan | C02 | 10 | 19/03/2024 | Greenview Consulting | |
| Level 1 Drainage Plan | C03 | 2 | 19/03/2024 | Greenview Consulting | |
| Site Stormwater Details Sheet 1 | C04 | 9 | 19/03/2024 | Greenview Consulting | |
| Site Stormwater Details Sheet 2 | C05 7 19/03/2024 | | Greenview Consulting | | |
| Detail and Level Survey – Appe | ndix D | 1 | | | |
| Detail and Level Survey | Sheet 1 of 2 | 3 | 27/10/2023 | RPS Australia East Pty Ltd | |
| Detail and Level Survey | Sheet 2 of 2 | 3 | 27/10/2023 | RPS Australia East Pty Ltd | |
| Notification Plans – Appendix E | | | | | |
| Cover Page | N01 | E | 9/11/2023 | Brewster Murray Pty Ltd | |
| Site & Landscape Plan | N02 | E | 9/11/2023 | Brewster Murray Pty Ltd | |
| Development Data | N03 | E | 9/11/2023 | Brewster Murray Pty Ltd | |
| Elevation 1 | N04 | E | 9/11/2023 | Brewster Murray Pty Ltd | |
| Elevations 2 | N05 | E | 9/11/2023 | Brewster Murray Pty Ltd | |
| Shadow Diagrams | N06 E | | 9/11/2023 | Brewster Murray Pty Ltd | |
| Specialist Reports | | | 1 | | |
| Accessibility Assessment Report & Adaptable Housing Assessment Report – | Accessibility Assessment Report 22073.5-Access | 5 | 25/10/2023 | Nest Consulting Group | |
| Appendix H | Adaptable Housing Assessment Report 22073.5-AS4299 | 5 | 25/10/2023 | Nest Consulting Group | |
| Arboricultural Impact Assessment Report – Appendix J | - | - | 17/10/2023 | Arbor Ecological | |
| BASIX Certificate - Appendix K | Certificate No02 | - | 31/10/2023 | - | |
| BCA Compliance Assessment - Appendix L | P230133 and P230133(4) | - 24/10/2023 | | BCA vision | |
| NatHERS Certificate – Appendix N | Summary Certificate No: 0009000920 (individual unit certificate numbers inclusive) | - | 31/10/2023 | - | |
| Geotechnical Investigation Assessment - Appendix P | Report No: 22/3045A | - | August 2022 | Geotechnics Pty Ltd | |
| Waste Management Plan - Appendix R | 22-6412 | 2 | 5/10/2023 | Brewster Murray Pty Ltd | |
| Traffic and Parking Impact Assessment Appendix S | GT22053 | 5 10/11/2023 | | Genesis Traffic | |
| Environmental Site Management Plan – Appendix T | ESM1 and ESM2 | 2 9/ | | Greenview Consulting | |
| Safety in Design Report – Appendix U | - | 2 | 5/10/2023 | Brewster Murray Pty Ltd | |

| Title / Name: | Drawing No. / Document Ref | Revision / Issue: | Date [dd/mm/yyyy]: | Prepared by: |
|--|--|----------------------|-----------------------|----------------------|
| Fire Hydrant Coverage Plan and Certification – Appendix | | 1 | 28/03/2024 | Greenview Consulting |
| V | Hydraulic Design Ground Floor Plan – SK02 | 1 | 28/03/2024 | Greenview Consulting |
| | Hydraulic Design Ground Floor Plan – SK03 | 1 | 28/03/2024 | Greenview Consulting |
| | Advice Note - 220996 | - | 28/03/2024 | Greenview Consulting |

- 2. All building work is to be undertaken in accordance with the National Construction Code and referenced Australian Standards.
- 3. All commitments listed in the BASIX certificate and stamped plans shall be implemented.
- 4. All construction documentation and building work are to be certified in accordance with Section 6.28 of the *Environmental Planning and Assessment Act* 1979.
- 5. The land the subject of this determination shall be consolidated into a single lot. The plan of consolidation shall be lodged at the NSW Land Registry Services and shall be registered prior to the occupation of the development. A copy of the registered plan shall be provided to the NSW Land and Housing Corporation.

OPERATIONAL MATTERS

The following Identified Requirements relate to the use of the site and are to ensure that the activity and its operation do not interfere with the amenity of the surrounding area.

Stormwater Run-off

- 6. Stormwater shall be collected within the site and conveyed in a pipeline to the appropriate gutter or drain under the control of the Richmond Valley Council for the area substantially in accordance with the approved concept stormwater drainage plans.
- 7. Alterations to the natural surface contours or surface absorption characteristics of the site shall not impede, increase or divert natural surface water runoff so as to cause a nuisance to adjoining property owners.
- 8. All driveways shall be graded in such a manner as to provide continuous surface drainage flow paths to the appropriate points of discharge.
- 9. To prevent water from entering buildings, surface waters shall be collected and diverted clear of the buildings by a sub-surface / surface drainage system.

Vehicular Access and Parking

- 10. Concrete vehicular crossings and laybacks shall be provided at the entrances/exits to the property. The crossings and laybacks shall be constructed in accordance with the Richmond Valley Council's standard requirements for residential crossings. Council shall be provided with plans for the crossings and laybacks together with the payment of any council inspection fees.
- 11. Particular care shall be taken in the location of vehicular crossings and/or laybacks to avoid poles, pits etc. The cost of any necessary adjustments to utility mains and services associated with the construction of the laybacks/driveways shall be borne by the NSW Land and Housing

Corporation. Obsolete gutter laybacks shall be constructed as kerb in accordance with the council's standards.

Note: It is recommended that discussions be held with the relevant authorities before construction works commence.

12. Car parking spaces and driveways shall be constructed of concrete or other approved hard surface materials. The car parking spaces must be clear of obstructions and columns, permanently line marked and provided with adequate manoeuvring facilities. The design of these spaces must comply with AS 2890.1.

Site Works

- 13. All soil erosion and sediment control measures required to be put in place prior to the commencement of demolition / construction works shall be maintained during the entire period of the works and until all the disturbed areas are restored by turfing, paving or revegetation. Soil erosion and sediment control measures shall be designed in accordance with the guidelines set out in the Blue Book *Managing Urban Stormwater: Soils and Construction* (4th edition, Landcom, 2004).
- 14. An appropriately qualified person shall design any retaining walls or other methods necessary to prevent the movement of excavated or filled ground, including associated stormwater drainage measures.

Building Siting

15. All buildings shall be sited well clear of any easements affecting the site. The builder shall ascertain if any easements do exist and, and if they do, obtain full details of such prior to construction commencing.

Smoke Detection System(s)

- 16. Smoke detection systems shall be installed throughout the building(s) in accordance with requirements of Clause E2.2a of the Building Code of Australia. Detectors and alarms shall comply with AS 3786 and AS 1670 and must be:
 - i. connected to a permanent 240V power supply; and
 - ii. provided with a battery backup to activate the alarm unit in the event of failure of the permanent power supply.

Site Soil Contamination

17. If the site is identified as being potentially affected by soil contamination, it shall be inspected by a suitably qualified person to identify any contaminated or hazardous material present. A proposal for remediation shall be prepared, which may include preparation of a Remedial Action Plan, and remediation shall be carried out in accordance with the proposal. A Validation Report, prepared in accordance with Environment Protection Authority requirements, shall be obtained from a qualified expert on completion of the remediation work to verify that the site is suitable for the intended residential use. A copy of the Validation Report shall be provided to the Land & Housing Corporation on completion of the remediation works.

Landscaping

- 18. Landscaping shall be carried out substantially in accordance with the approved landscape plans and maintained for a period of 12 months by the building contractor. The Richmond Valley Council shall be consulted in relation to the planting of any street trees.
- 19. All scheduled plant stock shall be pre-ordered prior to commencement of construction or 3 months prior to the commencement of landscape construction works, whichever occurs

sooner, for the supply to the site on time for installation. The builder shall provide written confirmation of the order to NSW Land and Housing Corporation.

Tree Removal

20. Removal of 78 trees (except for Tree 67 and 78 and shrub T13) within the boundaries of the site is to be carried out in accordance with the trees shown for removal on the approved Landscape Plan and no other trees shall be removed without further approval(s).

Fencing

21. All front fencing and gates shall be constructed wholly within the boundaries of the site. Any gates associated with the fencing shall swing inwards towards the site.

Provision of Letterbox Facilities

22. Suitable letterbox facilities shall be provided in accordance with Australia Post specifications.

Public Liability Insurance

23. A valid public liability insurance policy of at least \$10M shall be maintained throughout the demolition / construction works by the building contractor.

PRIOR TO ANY WORK COMMENCING ON THE SITE

The following Identified Requirements are to be complied with prior to any work commencing on the site.

Service Authority Clearances

24. A compliance certificate, or other evidence, shall be obtained from the relevant water utility provider, confirming service availability prior to work commencing.

Note:

Payment of water and/or sewer service charges and/or a notice of requirements for works to be carried out during construction / prior to occupation may be applicable prior to issue of the compliance certificate.

- 25. A written clearance from an electricity supply authority stating that electrical services are available to the site, or that arrangements have been entered into for the provision of services to the site, shall be obtained prior to work commencing.
- 26. A certificate from an approved telecommunications carrier certifying that satisfactory arrangements have been made for the provision of underground telephone services, to the site and to each dwelling, shall be obtained prior to work commencing.
- 27. Where the site is to be connected to reticulated gas, a certificate from an approved gas carrier certifying that satisfactory arrangements have been made for the provision of underground gas services, to the site and to each dwelling, shall be obtained prior to work commencing.

Utilities Service Provider Notification

28. The demolition / construction plans shall be submitted to the appropriate water utility's office to determine whether or not the development will affect the utility's sewer and water mains, stormwater drains and any easements.

Note:

If the development complies with water utility's requirements, the plans will be stamped indicating that no further requirements are necessary.

Disconnection of Services

- 29. All services that are required to be disconnected shall be appropriately disconnected and made safe prior to commencement of the demolition / construction works. The various service authorities shall be consulted regarding their requirements for the disconnection of services.
- 30. All existing services within the boundary to remain live shall be identified, pegged and made safe.

Demolition

- 31. The builder shall notify the occupants of premises on either side, opposite and at the rear of the site a minimum of **5** days prior to demolition. Such notification shall be clearly written on an A4 size paper giving the date demolition will commence and be placed in the letterbox of every premise (including every unit in a multi-unit residential building or mixed use building). The demolition shall not commence prior to the date that is stated in the notice letter.
- 32. Prior to the demolition, a Work Plan shall be prepared by a competent person(s) in accordance with AS 2601 and shall be submitted to NSW Land and Housing Corporation. The Work Plan shall outline the identification of any hazardous materials (including surfaces coated with lead paint), method of demolition, the precautions to be employed to minimise any dust nuisance and the disposal methods for hazardous materials.
- 33. If buildings to be demolished are determined as, or suspected of, containing asbestos cement, a standard commercially manufactured sign containing the words 'DANGER ASBESTOS REMOVAL IN PROGRESS', and measuring not less than 400mm x 300mm, shall be erected in a prominent visible position on the site for the duration of the demolition works.

Note:

Any buildings constructed before 1987 is assumed to contain asbestos.

Stormwater Disposal

- 34. A detailed stormwater drainage plan(s), substantially in accordance with the approved concept stormwater drainage plan(s), shall be prepared and submitted to NSW Land and Housing Corporation. Any on-site detention system shall be designed in accordance with the relevant catchment authority's requirements and/or the Richmond Valley Council's drainage code.
- 35. The stormwater works within Stapleton Avenue road reserve must be designed in accordance with the approved civil plans, except where amended to comply with Richmond Valley Council's relevant stormwater and drainage policies.

Council Notification

36. The Richmond Valley Council shall be advised by the building contractor in writing, of the date it is intended to commence work, including demolition. A minimum period of **5** working days notification shall be given.

Landfill

- 37. Where site filling is required, a minimum of 95% standard compacting shall be achieved and certified by a NATA registered Soils Laboratory.
- 38. Land fill materials must satisfy the following requirements and shall be:
 - i. Virgin Excavated Natural Matter (VENM);
 - ii. free of slag and hazardous, contaminated, putrescible, toxic or radio-active matter; and
 - iii. free of industrial waste and building debris.

Site Facilities

- 39. The following facilities shall be installed on the site:
 - (a) Toilet facilities shall be provided at the rate of 1 toilet for every 20 persons, or part thereof, employed at the site. Each toilet shall be a standard flushing toilet and shall be connected to a public sewer. If connection to a public sewer is not practicable, to an accredited sewerage management facility provided by Richmond Valley Council or if this is also not practicable to some other council approved management facility.
 - (b) Adequate refuse disposal methods and builders' storage facilities. Builders' wastes, materials or sheds shall not be placed on any property other than that to which this activity relates.
- 40. Access to the site shall only be provided via an all-weather driveway on the property and shall not be provided from any other site.

Site Safety

- 41. A sign shall be erected in a prominent position on the site:
 - (a) showing the name, address and telephone number of the responsible NSW Land and Housing Corporation officer for the work, and
 - (b) showing the name of the principal contractor (if any) and the telephone number on which that person may be contacted during and outside working hours, and
 - (c) stating that unauthorised entry to the site is prohibited.

The sign shall be maintained while the work is being carried out but shall be removed when the work has been completed.

Note:

This requirement does not apply in relation to building work that is carried out inside an existing building that does not affect the external walls of the building.

- 42. A minimum 1.8m high security fence or Class A / Class B (overhead) hoarding must be erected between the work site and any public place prior to demolition / construction.
- 43. Access to the site shall be restricted to authorised persons only and the site shall be secured against unauthorised entry when demolition / construction work is not in progress or the site is otherwise unoccupied.

Note:

Approval from the relevant roads authority may be required under Section 138 of the Roads Act 1993 where a Class A or B hoarding encroaches onto the footpath of / or a public thoroughfare within a classified road.

44. No building and demolition materials are to be stored on the footpath or roadway.

Protection of Trees

45. Trees and other vegetation (Tree 67 and 78 and shrub T13) that are to be retained on site shall be protected prior to the commencement of works and for the duration of the construction period in accordance with the recommendations provided in the Arboricultural Impact Assessment Report prepared by Arbor Ecological and dated 17 October 2023.

Waste Management

46. A final Waste Management Plan shall be prepared and submitted to the NSW Land and Housing Corporation by the building contractor prior to the commencement of demolition, tree removal and construction. The plan shall detail the amount of waste material and the destination of all materials, recyclable and non-recyclable.

DURING DEMOLITION / CONSTRUCTION

The following Identified Requirements are to be complied with whilst works are occurring on the site.

Heritage

- 47. Historic and indigenous archaeological sites and relics are protected under the *Heritage Act* 1977 and *National Parks and Wildlife Act* 1974, respectively. Should any relics be uncovered during the course of the approved works, work must cease immediately in the affected area. Subsequently, in cases where historical or Indigenous items have been uncovered, the Department of Climate Change, Energy, the Environment and Water must be contacted.
- 48. All workers / contractors on the site shall be informed of their obligations, under the Heritage Act and *National Parks and Wildlife Act 1974*, that it is illegal to disturb, damage or destroy a relic without prior approval from the Department of Climate Change, Energy, the Environment and Water.

Demolition

- 49. Any existing structures identified for demolition shall be demolished prior to commencement of the construction of the activity.
- 50. Demolition shall be carried out in accordance with the appropriate provisions of AS 2601.
- 51. Where materials containing asbestos are to be removed, demolition shall be carried out by a licensed contractor(s) that has a current SafeWork NSW accreditation in asbestos removal.
- 52. Removal of asbestos-based thermal, or acoustic insulation such as sprayed asbestos and asbestos-based lagging and including friable asbestos boards, shall be carried out in accordance with the National Occupational Health and Safety Commission's Code of Practice for the Safe Removal of Asbestos, 2nd Edition [NOHSC:2002 (2005)].
- 53. Hazardous and intractable waste, including all asbestos laden waste arising from the demolition process shall be removed and disposed of in accordance with the requirements of SafeWork NSW.
- 54. Documentary evidence, in the form of tip receipts from an approved Waste Management Facility, shall be obtained by the demolition contractor and submitted to NSW demonstrating the appropriate disposal of the asbestos waste.
- 55. Demolition procedures shall maximise the reuse and recycling of demolished materials in order to reduce the environmental impacts of waste disposal.
- 56. During demolition, the public footpath and the public road shall not be obstructed by any vehicles. The public road and footpath shall be swept (not hosed) clean of any material, including clay, soil and sand.
- 57. All vehicles leaving the site with demolition materials shall have their loads covered and vehicles shall not track soil and other material onto the public roads and footpaths. The footpath shall be suitably protected against damage when plant and vehicles access the site. All loading of vehicles with demolished materials shall occur on site.

Survey Reports

58. Survey reports shall be submitted by the building contractor to NSW Land and Housing Corporation prior to the placement of the footings / slab and on completion of the dwellings to verify the correct position of the structures in relation to the allotment boundaries.

Hours of Demolition / Construction / Civil Work

59. Demolition / construction/ civil work shall only occur on the site between the hours of 7am to 5pm Monday to Saturday with no work permitted on Sundays or public holidays.

Excavation & Backfilling

60. All excavations and backfilling associated with the demolition or erection of building(s) shall be executed safely and in accordance with appropriate professional standards. All such work shall be guarded and protected to prevent it from being dangerous to life or property.

Pollution Control

- 61. Any noise generated during the carrying out of the activity shall not exceed the limits specified in the July 2009 Interim Construction Noise Guidelines published by the former Department of Environment and Climate Change.
- 62. No fires shall be lit, or waste materials burnt, on the site.
- 63. No washing of concrete forms or trucks shall occur on the site.
- 64. Any contamination / spills on the site during construction works shall be actively managed and reported immediately to the appropriate regulatory authorities to minimise any potential damage to the environment.
- 65. Dust generation during demolition / construction shall be controlled using regular control measures such as on site watering or damp cloth fences.
- 66. All vehicles transporting loose materials and travelling on public roads shall be secured (i.e. closed tail gate and covered) to minimise dust generation.
- 67. Non-recyclable waste and containers shall be regularly collected and disposed of at a licensed landfill or other disposal site in accordance with details set out in the final Waste Management Plan.

Impact of Construction Works

- 68. NSW Land and Housing Corporation shall bear the cost of any necessary adjustments to utility mains and services.
- 69. Care shall be taken to prevent any damage to adjoining properties. The building contractor shall be liable to pay compensation to any adjoining owner if, due to demolition/construction works, damage is caused to such adjoining property.

PRIOR TO OCCUPATION OF THE DEVELOPMENT

The following Identified Requirements are to be complied with prior to the occupation of the development.

General

70. The occupation of the development shall not commence until all the Identified Requirements of this determination have been complied with.

Termite Protection

71. To protect buildings from subterranean termite, termite barriers installed in accordance with AS 3660.1, shall be placed on the underside and in penetrations of the concrete slab floor.

In addition, a durable notice must be permanently fixed inside the meter box indicating:

- (a) the method of protection;
- (b) the date of installation of the system;
- (c) where a chemical barrier is used, its life expectancy as listed on the National Registration Authority label; and
- (d) the need to maintain and inspect the system on a regular basis.

Council Infrastructure Damage

72. The cost of repairing any damage caused to the Richmond Valley Council's assets in the vicinity of the site as a result of demolition / construction works shall be met in full by the building contractor.

Stormwater Drainage

- 73. Prior to occupation, a Work As Executed Plan shall be prepared by the building contractor clearly showing all aspects of the constructed stormwater drainage system, including any onsite detention system. The plan shall demonstrate general compliance with the approved concept stormwater drainage plan(s) and shall include:
 - sufficient levels and dimensions to verify the constructed storage volumes; and
 - location and surface levels of all pits; and
 - invert levels of the internal drainage lines, orifice plates fitted and levels within the outlet control pits; and
 - finished floor levels of all structures; and
 - verification that any required trash screens have been installed; and
 - locations and levels of any overland flow paths; and
 - verification that any drainage lines are located wholly within easements, where applicable.

The Work-As-Executed Plan information shall be shown on the final civil works drawings.

Where required by Richmond Valley Council a positive covenant and restriction-as-to-user shall be placed over the onsite detention system in accordance with the Richmond Valley Council's on-site detention policy to ensure that the system will be adequately maintained. The positive covenant and restriction-as-to-user shall be registered at NSW Land Registry Services prior to occupation. A copy of the registered restriction-as-to-user shall be provided to the NSW Land and Housing Corporation and Richmond Valley Council.

PART B – Additional Identified Requirements

Site Specific requirements

74. Construction of the footings/piers associated with fencing within the TPZ of Tree #82 (located on the eastern adjoining property of 72 Stapleton Avenue) must be supervised and certified by the Project Arborist in accordance with AS4970 (2009).

Requirements resulting from Council Comments

Privacy

75. All the first floor balcony balustrades of Dwellings 13 to 18 must be designed to be fixed 45degree angled balustrading with narrow spacing between vertical slats to ensure an appropriate privacy relationship between the subject units and the proposed single storey dwellings at the rear of the site. 76. The first floor balcony of Dwelling 18 must have a 1.7m fixed privacy screen along the eastern elevation of the balcony. The privacy screen must be fixed 45-degree horizontal panels orientated in a skyward direction.

Sewer

- 77. Prior to the commencement of construction works, an investigative survey is to be undertaken to identify the location of the sewer pipeline. This pipeline is to remain and there is to be no structure, footing, overhang or new tree planting within 1.5m of the centreline of the sewer main, except for the portion of the car parking area shown in the Site Plan DA04.
- 78. Existing sewer connections no longer used must be capped at the boundary. If sewer junctions are not utilised, they must be removed.
- 79. A 3m wide easement (1.5m either side of the sewer pipe) is to be created over the existing sewer main and registered with the consolidation of the 4 allotments. The terms of the easement must state that the car parking area and its associated works are allowed within the easement.
- 80. The sewer line must be provided with an encasement to protect from any damage due to the location of the car parking area.

Stormwater

81. Access to the stormwater detention tank and rainwater storage must be locked to prevent unauthorised access.

Water

- 82. The water connection line to the site shall be designed in accordance with the water utility provider's requirement to ensure it is appropriately sized for the proposed development.
- 83. A master water meter that records the total water usage for all dwellings shall be provided within the site in a safe and accessible location to allow for Council to read the meter. 18 individual metres for each dwelling may be privately read and located adjacent to the master meter.

Fire Hydrant Coverage

84. Prior to the commencement of construction, an enquiry is to be lodged with Richmond Valley Council to determine the pressure and flow data for the Fire Hydrant coverage.

Driveway crossing and works in the road reserve

85. All driveway crossings are to have a splay at the point of connection with the road pavement to protect the edge of the pavement from vehicle movements.

Waste storage area

86. The bin storage area within the site must be constructed with a wall height of no more than 1.2m from the NGL. This area must be roofed with an overall height of maximum 2.7m and a minimum clearance height of 2.1m from the NGL to the underside of the roof. The roof, guttering, overhang and any other associated roof parts must be contained within the walled bin area footprint and not overhang into the car park area or parking spaces.

Developer Contributions

87. In accordance with Section 64 of the Local Government Act (1993) and Chapter 6 Part 2 Division 5 of the Water Management Act (2000) for Water and Sewer Headworks Services, contributions will be made to Richmond Valley Council (RVC) prior to the commencement of works.

Section 64 Contributions payable are:

| Section 64 Local Govt Act & Water Management Act 2000 Levy Area - Casino | TechOne Code | No. of ET's | \$ / ET for 2023-2024 | Amount Payable (\$) |
|--|-----------------|-------------------|---------------------------------|---------------------------|
| RVC Water Headworks | WatS64Hwks | 8.6 | \$ 9,630.50 | \$ 82,822.30 |
| RVC Sewerage Headworks | \$ 8,000.00 | \$ 94,000.00 | | |
| Rous Water #Water Headworks | \$ NIL | | | |
| Total Section (current @ 9/1/2024 but generally ap Payments will be in accordance with C | \$176,822.30 | | | |

Others

- 88. A dilapidation survey must be prepared and submitted to the Richmond Valley Council by the building contractor prior to the commencement of demolition, tree removal and construction. The plan shall detail the condition of the infrastructure with photographic evidence.
- 89. Prior to the commencement of works, the structural integrity of Dwelling 11 due to its proximity from the OSD, rainwater tanks and associated stormwater infrastructure must be confirmed to be acceptable and in accordance with the relevant standards, as assessed by the Geotechnical consultant. This written advice / confirmation must be provided to NSW Land and Housing Corporation.

ADVISORY NOTES

- i. Approval of this development activity does not imply or infer compliance with Section 23 of the Disability Discrimination Act 1992. Refer to AS 1428.1 and the Building Code of Australia for detailed guidance.
- ii. Information regarding the location of underground services may be obtained from Dial Before You Dig at *www.1100.com.au* or by dialing 1100.



Decision Statement

Project No BGZDY

| SITE IDENTIFICATION | | |
|--------------------------|---|----------|
| STREET ADDRESS | | |
| Unit/Street No | Street or property name | |
| 64-70 | Stapleton Avenue | |
| Suburb, town or locality | | Postcode |
| Casino, NSW | | 2470 |
| Local Government Area(s) | Real property description (Lot and DP) | |
| Richmond Valley | Lots 8, 9, 10 & 11 in Deposited Plan 31 | 850 |

ACTIVITY DESCRIPTION

Provide a description of the activity

Demolition of 4 existing dwellings and structures, removal of trees, and construction of a residential flat building development comprising 13 dwellings (6 x 2 bedroom and 7 x 3 bedroom units) and a multi dwelling housing development comprising 5 dwellings (3 x 2 bedroom and 2 x 3 bedroom units), with associated landscaping and fencing, surface parking for 23 cars, and consolidation of 4 lots into a single lot.

NSW Land and Housing Corporation has proposed the above activity under the provisions of *State Environmental Planning Policy (Housing) 2021* (Housing SEPP) which requires determination under Part 5 of the *Environmental Planning & Assessment Act 1979* (EP&A Act). This Decision Statement relates to the Review of Environmental Factors (REF) for the above activity prepared under Part 5 of the EP&A Act and the *Environmental Planning and Assessment Regulation 2021*.

Based on the REF document and supporting documentation, including advice from Richmond Valley Council a decision to proceed with the proposed activity has been made. This decision included consideration of the following:

Significant Impact on the Environment

- The proposed activity is not likely to have a significant impact on the environment and therefore an EIS is not required.
- The proposed activity will not be carried out in a declared area of outstanding biodiversity value and is not likely to significantly affect threatened species, populations or ecological communities, or their habitats or impact biodiversity values, meaning a SIS and/or BDAR is not required.

Reasons for the Decision

 Following an assessment of the proposed activity and associated environmental impacts within the REF document it was decided that the proposed development will have economic and social benefits and any minor short-term impacts on the environment or surrounding properties can be appropriately mitigated. • The proposed development will assist in the provision of much needed social and affordable housing and assist in addressing the existing and growing demand for housing in the Richmond Valley local government area.

Mitigation Measures

• Mitigation measures are required to minimise or manage environmental impacts and are detailed throughout the REF and specifically within Section 8. All mitigation measures are detailed as Identified Requirements within the Activity Determination. Additional mitigation measures, detailed in the Activity Determination have been imposed to minimise the impact on the surrounding environment, ensure appropriate site safety and to ensure legislative compliance.

Yoleedle fil

Signed.....

27.05.24 Dated.....

Yolanda Gil Acting Executive Director, Portfolio Strategy and Origination Housing Portfolio Homes NSW

BGZDY **DEPARTMENT OF PLANNING & ENVIRONMENT NSW LAND & HOUSING CORPORATION**

AT: 64-70 STAPLETON AVENUE, CASINO NSW

LOCATION PLAN



STAPLETON AVENUE PHOTOMONTAGE





| NOMINATED ARCHITECT: | SIGNATURE: | F | 19/03/24 | FOR REVIEW | |
|----------------------|------------|---|----------|--------------------|--|
| MICHAEL BULLEN | | Е | 22/02/24 | FOR REVIEW | |
| | | D | 17/10/23 | FOR REVIEW | |
| | | С | 19/09/23 | FOR REVIEW | |
| | | В | 03/07/23 | FOR REVIEW | |
| | | REV | DATE | NOTATION/AMENDMENT | |
| | | DO NOT SCALE DRAWINGS. CHECK ALL DIMENSI FIGURED DIMENSIONS TAKE PRECEDE | | | |

LOTS, 8, 9, 10, 11 IN DP 3185

SK SHEET LIST

| DA00 | COVER SHEET | I |
|------|------------------------------|---|
| DA01 | BLOCK ANALYSIS | (|
| DA02 | SITE ANALYSIS | (|
| DA03 | DEMOLITION PLAN | I |
| DA04 | SITE PLAN | I |
| DA05 | GROUND FLOOR PLAN | l |
| DA06 | FIRST FLOOR PLAN | I |
| DA07 | ROOF PLAN | I |
| DA08 | ELEVATIONS 1 | |
| DA09 | ELEVATIONS 2 + MATERIAL LIST | I |
| DA10 | SECTIONS | [|
| DA11 | CUT & FILL & RETAINING WALLS | [|
| DA12 | SHADOW DIAGRAMS | I |
| DA13 | VIEW FROM SUN | I |
| DA14 | MATERIALS & FINISHES | (|

LOCALIT NO. EXIS

ADAPTABLE I

RV-LEP = RV-DCP = H-SEPP = LRHDG = LAHC =

ROJECT **RESIDENTIAL FLAT BUILDING AND** DWELLING HOUSING DEVELOPME UNDER NSW HOUSING SEPP 2021

64-70 STAPLETON AVENUE, CASIN LOTS 8, 9, 10, 11 IN DP31850

CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

HOMES NSW

BREWSTER MURRAY PTY LTD BCA CONSULTANT NSIONS ON SITE.

ARCHITECT

Haledo DETERMINED by the NSW Land and Housing Corporation on: 27.05.24



DEVELOPMENT DATA TABLE

| FERENCE | BGZDY | | | | | |
|------------|--------------------------|---|-----------|--------------------------|--|--|
| Y / SUBURB | CASINO | | | | | |
| ADDRESS | 64-70 STAPLETON AVENUE | | | | | |
| | LOTS 8, 9, 10, 11 DP 31 | 850 | | | | |
| EA | 3558m² | | | | | |
| STING LOTS | 4 | | | | | |
| SED GFA* | | 1102m ² 561m ² | | | | |
| | TOTAL | 1663m ² | | | | |
| WELLINGS | 18 (9 x 2 BED + 9 x 3 BE | D) | | | | |
| UNIT NO. | TYPE | NO. BEDROOMS | AREA (m²) | P.O.S. (m ²) | | |
| 01 | GROUND | 3 | 95 | 91 | | |
| 02 | GROUND | 2 | 78 | 67 | | |
| 03 | GROUND | 3 | 97 | 65 | | |
| 04 | GROUND | 3 | 97 | 72 | | |
| 05 | GROUND | 2 | 71 | 74 | | |
| 06 | GROUND | 2 | 77 | 68 | | |
| 07 | GROUND | 3 | 93 | 97 | | |
| 08 | GROUND | 2 | 70 | 86 | | |
| 09 | GROUND | 2 | 70 | 55 | | |
| 10 | GROUND | 2 | 70 | 55 | | |
| 11 | GROUND | 3 | 97 | 63 | | |
| 12 | GROUND | 3 | 97 | 91 | | |
| 13 | FIRST | 2 | 78 | 13 | | |
| 14 | FIRST | 3 | 97 | 14 | | |
| 15 | FIRST | 3 | 97 | 14 | | |
| 16 | FIRST | 2 | 71 | 12 | | |
| 17 | FIRST | 2 | 77 | 12 | | |
| 18 | FIRST | 2 | 93 | 14 | | |
| | | | • | | | |

RESIDENTIAL FLAT BUILDING

| | CONTROL | REQUIREMENT | PROPOSED |
|----------------------|-----------|--|--|
| BUILDING HEIGHT | LRHDG | 5.4m - REAR 40% OF SITE | FRONT BUILDINGS (RFB) = 7.7m |
| | RV-LEP | 8.5m | REAR BUILDINGS = 3.5m |
| CAR PARKING | RV-DCP | 1 SPACE PER DWELLING < 150m ² , 1.5 SPACES PER DWELLING > 150m ² , 1 VISITOR SPACE PER 4 DWELLINGS | 1.0 x 9 + 1.5 x 9 = 22.5 = 23 SPACE (INCL 2 ACCESSIBLE) |
| | H-SEPP | 2 BEDROOM UNITS - 1.0 SPACES 3 BEDROOM UNITS - 1.5 SPACE 1 ACCESSIBLE SPACE PER ADAPTABLE UNIT | |
| BICYCLE PARKING | LRDHG | 1 BICYCLE SPACE PER DWELLING | WITHIN UNITS / POS |
| FSR | H-SEPP | *0.5:1 | *0.47:1 |
| | RV-DCP | NOT APPLICABLE TO RFB IN M1 ZONED AREA | - 0.47.1 |
| SETBACKS | RV-DCP | FRONT = 6.0m (GARAGE/CARPORT 1m BEHIND BUILDING LINE) | 6.0m |
| | | SIDES = HEIGHT OF BUILDING - 3.0m (WHERE DEVELOPMENT IS 10m BEHIND FRONT BUILDING LINE AND > 4.5m ABOVE GROUND LEVEL | 1.5m (<4.5m ABOVE GROUND LEVEL) |
| | BCA (RFB) | SIDE = 3.0m | 3.0m |
| | LRHDG | REAR = 6.0m (WHERE NO DCP REAR SETBACK) | 6.0m |
| LANDSCAPED AREA | RV-DCP | 30 % OF LOT AREA = 1067.4m ² | 1107m ² = 31.1% |
| | LRHDG | 50 % OF AREA FORWARD OF BUILDING LINE | 318m ² = 66% |
| DEEP SOIL | H-SEPP | 15% OF SITE AREA, MIN DIMENSION 3m = 533.6m ² MIN TOTAL 65% OF REQUIRED DEEP SOIL AT REAR =346.8m ² MIN AT REAR | 633m² TOTAL 351m² AT REAR |
| SOLAR ACCESS | LRHDG | 2 HOURS MINIMUM IN LIVING ROOM/POS OF EACH DWELLING BETWEEN 9AM-3PM ON WINTER SOLSTICE | 18/18 = 100% |
| | LAHC | 2 HOURS TO 70% UNITS | |
| CROSS-VENTILATION | LRHDG | EACH DWELLING TO BE NATURALLY CROSS VENTILATED | 18/18 = 100% |
| POS | LAHC | 1 BED - 8m ² 2 BED - 10m ² 3 BED - 12m ² | SEE TABLE ABOVE |
| | RV-DCP | 1 AND 2 BED - 16m ² WITH 3m DIMENSION 3 BED - 25m ² WITH 3m DIMENSION | |
| | LRHDG | 45m ² WITH 5m DIMENSION FOR EACH DWELLING 12m ² PAVED AREA WITH 3m DIMENSION BEHIND THE FRONT BUILDING LINE | |
| UNIT SIZE AND LAYOUT | LAHC | 1 BED - 50m ² 2 BED - 70m ² 3 BED - 90m ² | SEE TABLE ABOVE |
| | LRHDG | 1 BED - 65m ² 2 BED - 90m ² 3 BED - 115m ² | |
| LOT SIZE AND WIDTH | RV-DCP | MINIMUM LOT SIZE - 1000m ² MINIMUM LOT WIDTH - 20m | LOT SIZE = 3558m ² LOT WIDTH - 80.5m |
| ADAPTABLE HOUSING | | 10% OF UNITS | 2/18 = 11% |

* GROSS FLOOR AREA CALCULATION FOR H-SEPP EXCLUDES EXTERIOR WALLS BUT INCLUDES COMMON VERTICAL CIRCULATION SPACE

RICHMOND VALLEY LOCAL ENVIRONMENTAL PLAN 2012 RICHMOND VALLEY DEVELOPMENT CONTROL PLAN 2021

HOUSING SEPP LOW RISE HOUSING DIVERSITY GUIDE

LAND AND HOUSING CORPORATION DWELLING REQUIREMENTS

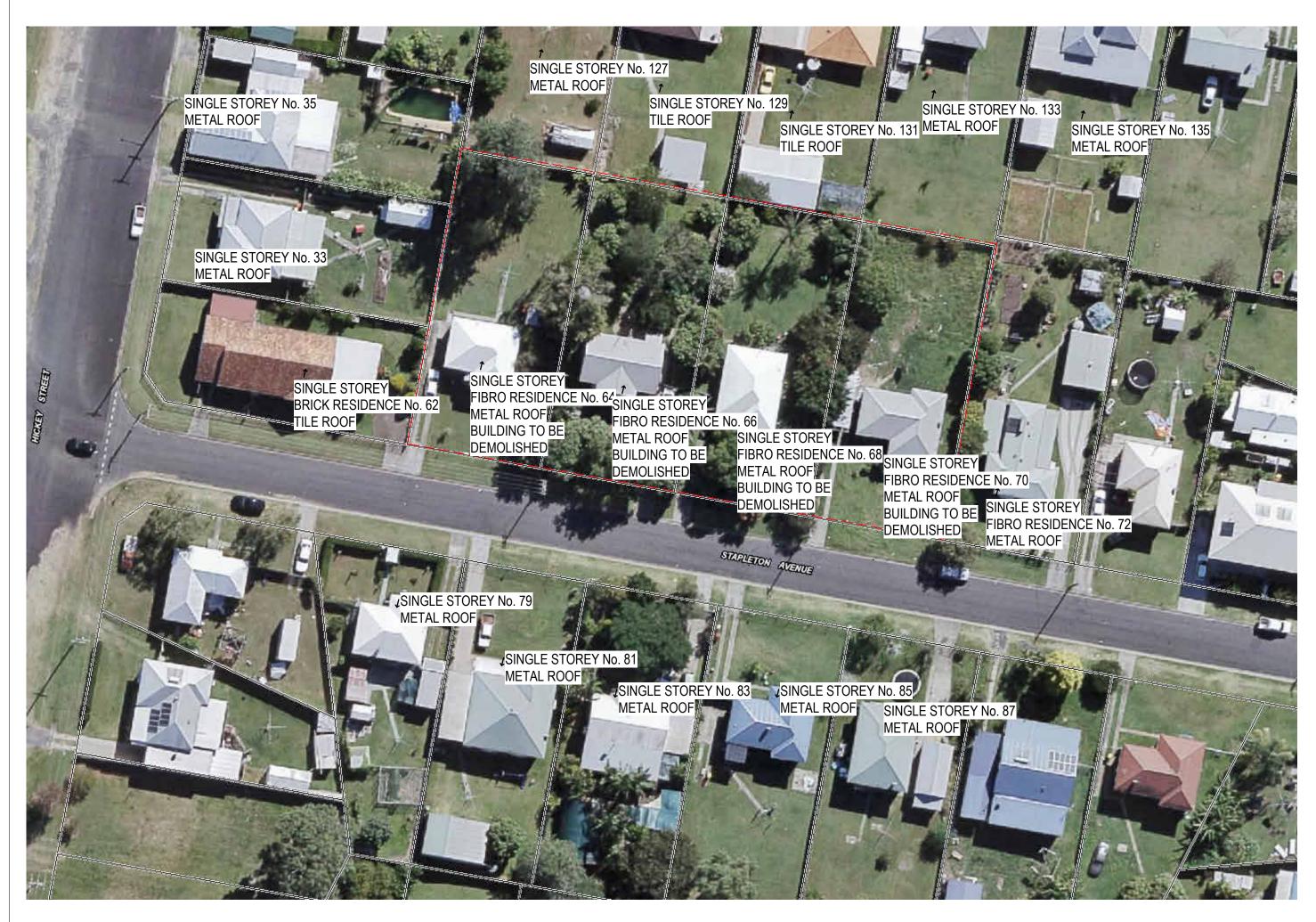
| D MULTI | | | STATUS SK | SKETCH DESIGN | | | |
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| ENT | | | DATE 19/03/24 | scale NTS | proj MB | PROJECT NO BGZDY | |
| | | | stage A | sheet size A1 | designer AG | CHECKED | |
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66-68 STAPLETON AVENUE



AERIAL PHOTO SOURCE: NSW SIX MAPS



| NOMINATED ARCHITECT: | SIGNATURE: | | | | | | |
|----------------------|------------|--|----------|------------------|--|--|--|
| MICHAEL BULLEN | | | | | | | |
| | | С | 19/09/23 | FOR REVIEW | | | |
| | | В | 03/07/23 | FOR REVIEW | | | |
| | | Α | 23/06/23 | FOR REVIEW | | | |
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68-70 STAPLETON AVENUE



AERIAL PHOTO SOURCE: NSW SIX MAPS

ARCHITECT
BREWSTER MURRAY PTY LTD
BRENT
ENSIONS ON SITE.
EDENCE.

CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

CLIENT HOMES NSW RESIDENTIAL FLAT BUILDING AND N DWELLING HOUSING DEVELOPMEN UNDER NSW HOUSING SEPP 2021

64-70 STAPLETON AVENUE, CASINO LOTS 8, 9, 10, 11 IN DP31850

Holeda fii DETERMINED by the NSW Land and Housing Corporation on: 27.05.24



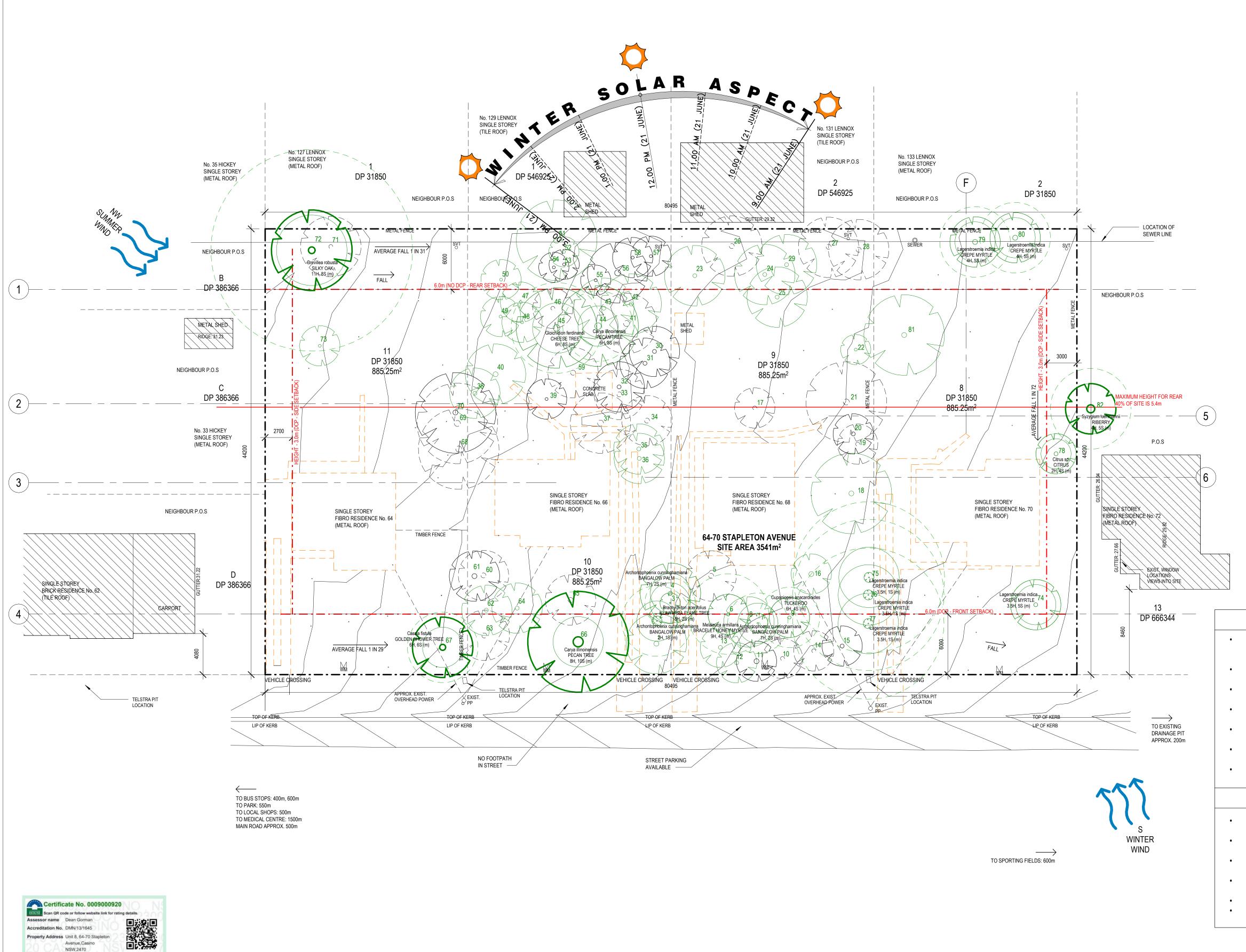
115 CENTRE STREET - EXISTING RESIDENTIAL FLAT BUILDING



60 STAPLETON AVENUE - EXISTING MULTI DWELLING HOUSING

| HOUSE Scan QR co | de or follow website link for ra | ting details. |
|-------------------|--|---------------|
| Assessor name | Dean Gorman | initio:ini |
| Accreditation No. | DMN/13/1645 | |
| Property Address | Unit 8, 64-70 Stapleton Avenue,Casino NSW,2470 | |

| D MULTI | BLOCK ANALYSIS | SKETCH DESIGN | | | | |
|---------|-----------------|------------------|-------------------------|-----------------------|---------------------|---------|
| INT | DECON ANAL 1010 | date 19/09/23 | ^{scale} NTS | ^{proj} MB | PROJECT NO BGZDY | |
| | | | stage A | SHEET SIZE A1 | designer AG | CHECKED |
| IO 2470 | FILE | PLOTTED | ТҮРЕ | SHEET | 01 | C REV |



Property Address Unit 8, 64-70 Stapleton Avenue, Casino NSW,2470 hstar.com.au/QR/Generate?p=AeLjvPwIE



| NOMINATED ARCHITECT: | SIGNATURE: | | | | | | |
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| MICHAEL BULLEN | | | | | | | |
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ARCHITECT BREWSTER MURRAY PTY LTD PH (02) 9299 0988 BCA CONSULTANT ENT ISIONS ON SITE.

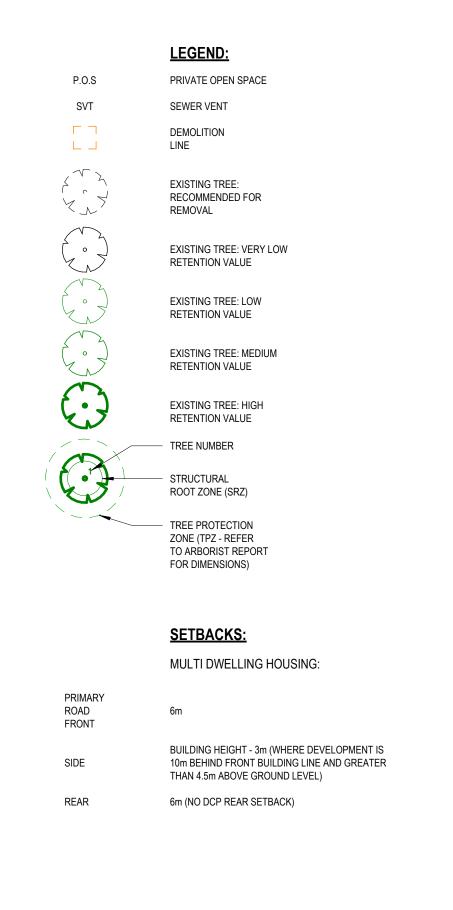
CONSULTING ENGINEERS GREENVIEW CONSULTING

LANDSCAPE CONSULTANT

HOMES NSW

ROJECT **RESIDENTIAL FLAT BUILDING AND** DWELLING HOUSING DEVELOPMEN UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 24 LOTS 8, 9, 10, 11 IN DP31850

GREENLAND DESIGN



SITE CHARACTERISTICS & POTENTIALS

SURROUNDING DEVELOPMENTS CONSISTS OF SINGLE STOREY DETATCHED RESIDENTIAL BUILDINGS (M1 - LOW-MEDIUM DENSITY RESIDENTIAL)

LOW TRAFFIC LEVELS, BUT CLOSE TO LOCAL AIRPORT (1.3km)

LOCATED IN CLOSE PROXIMITY TO BUS STOPS AND LOCAL SHOPS

SITE SLOPES FROM WESTERN TO EASTERN SIDES

LARGE BLOCKS MINIMISE OVERSHADOWING FROM NEIGHBOURING HOUSES - LARGE BACK GARDENS

NORTH IS AT THE BACK OF THE SITE, ALLOWING FOR CONSISTENT SOLAR ACCESS

90 DEGREE BOUNDARIES, RECTANGULAR SITE

SITE CONSTRAINTS

LARGE NUMBER OF TREES - AWAITING ARBORIST REPORT

NO FOOTPATH IN STREET

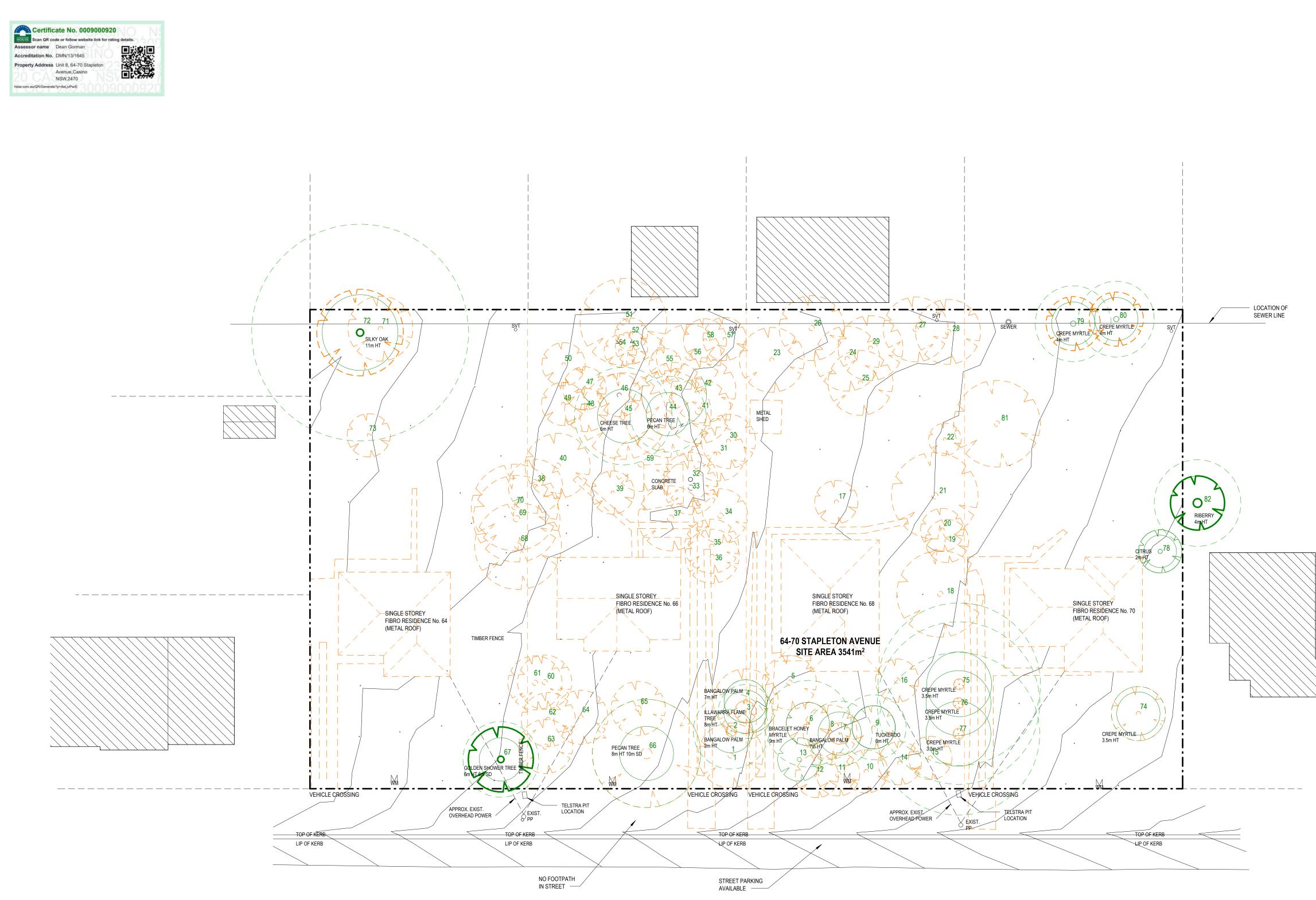
DRAINAGE PIT LOCATED FAR FROM SITE

CLOSE PROXIMITY OF EASTERN NEIGHBOUR, WITH VIEWS DIRECTLY INTO SITE

LOCATION OF GARDEN SHEDS ALONG NORTHERN BOUNDARY - IMPACT SOLAR ACCESS SITE IS NOT DEEMED AN ACCESSIBLE AREA - LACK OF FREQUENT BUS SERVICES

| MULTI | | SKETCH DESIGN | | | | |
|-------|------|------------------|----------------|------------------|---------------------|---------------|
| NT | | date 19/09/23 | scale 1:200 | proj MB | PROJECT No BGZDY | |
| 470 | | | STAGE | SHEET SIZE A1 | designer AG | снескер MB |
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North



1 DEMOLITION PLAN SCALE 1 : 200



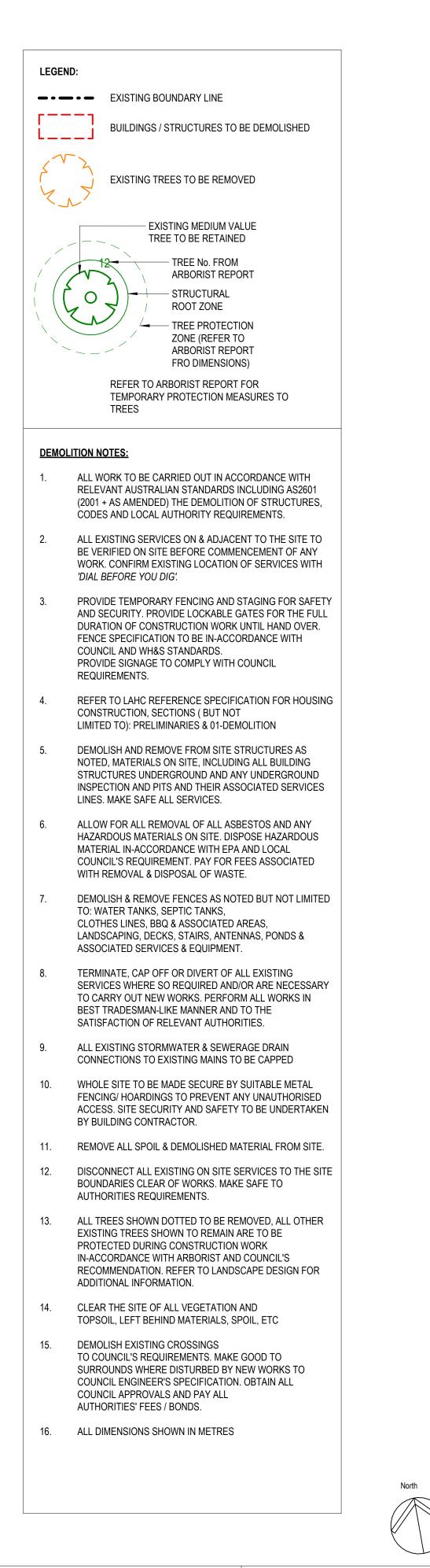
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ARCHITECT BREWSTER MURRAY PTY LTD PH (02) 9299 0988 BCA CONSULTANT MENT NSIONS ON SITE. DENCE.

CONSULTING ENGINEERS GREENVIEW CONSULTING

RESIDENTIAL FLAT BUILDING AND DWELLING HOUSING DEVELOPMEN UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 24 LOTS 8, 9, 10, 11 IN DP31850

LANDSCAPE CONSULTANT GREENLAND DESIGN HOMES NSW



|) MULTI | | | | SKETCH DESIGN | | | |
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1 SITE PLAN SCALE 1 : 200



| | NOMINATED ARCHITECT: | SIGNATURE: | F | F 19/03/24 FOR REVIEW | | ARCHITECT | |
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| MICHAEL BULLEN | | | E | 22/02/24 | FOR REVIEW | | |
| | | | D | 17/10/23 | FOR REVIEW | BREWSTER MURRAY PTY LTD | |
| | | | C 19/09/23 FOR I | | FOR REVIEW | PH (02) 9299 0988 | |
| | | | В | 03/07/23 | FOR REVIEW | BCA CONSULTANT | |
| | | | REV | DATE | NOTATION/AMENDMENT | | |
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CONSULTING ENGINEERS GREENVIEW CONSULTING

LANDSCAPE CONSULTANT

GREENLAND DESIGN

HOMES NSW

ROJECT **RESIDENTIAL FLAT BUILDING AND** DWELLING HOUSING DEVELOPME **UNDER NSW HOUSING SEPP 2021** 64-70 STAPLETON AVENUE, CASINO 2 LOTS 8, 9, 10, 11 IN DP31850



LEGEND:



 $\sim \sim \sim$

6

EXISTING TREE TO BE RETAINED MEDIUM RETENTION VALUE (WITH TPZ DASHED)

EXISTING TREE TO BE RETAINED LOW RETENTION VALUE (WITH TPZ DASHED)

EXISTING TREE - TO BE DEMOLISHED

NEW PROPOSED TREES

NEW PROPOSED LANDSCAPING - REFER TO LANDSCAPE PLAN

GENERAL NOTES:

- REFER TO CIVIL ENGINEERS DOCUMENTATION FOR PROPOSED STORMWATER
- REFER TO SURVEY FOR ALL EXISTING SERVICES - REFER TO LANDSCAPE PLAN FOR PLANTING TYPES
- ALL SLOPE ARROWS SHOW SLOPE UP UNLESS ANNOTATED 'FALL'
- READ IN CONJUCTION WITH CUT & FILL PLAN AND RETAINING WALLS SECTIONS
- FENCE FEN-1 TYPICAL HEIGHT 1.2m AT FRONT, 1.8m AT REAR & WHERE PRIVACY REQUIRED
- FENCE FEN-2 TYPICAL HEIGHT 1.8m (BOUNDARY FENCE) - FENCE FEN-3 TYPICAL HEIGHT 1.2m AT FRONT, 1.8m AT REAR, EXCEPT AS NOTED
- FENCE FEN-4 TYPICAL HEIGHT 1.4m (GARBAGE BIN AREA BRICK WALLS)

DEEP SOIL ZONES CALCULATION:

| DSZ-1 | 71m ² |
|-------|-----------------------------|
| DSZ-2 | 22m ² |
| DSZ-3 | 41m ² |
| DSZ-4 | 114m ² |
| DSZ-5 | 34m ² |
| DSZ-6 | 60m ² (AT REAR) |
| DSZ-7 | 37m ² (AT REAR) |
| DSZ-8 | 147m ² (AT REAR) |
| DSZ-9 | 107m ² (AT REAR) |
| | |
| | |

TOTAL 633m²





| | | | | | k | |
|---------------|-----------|------|------------------|------------------|----------------|---------------------|
| | SITE PLAN | | STATUS SK | ETCH DE | SIGN | |
| ENT 1 2470 | SHE PLAN | | date 19/03/24 | scale 1:200 | proj MB | PROJECT NO BGZDY |
| | | | STAGE | sheet size A1 | designer AG | снескед МВ |
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1 GROUND FLOOR PLAN



| NOMINATED ARCHITECT: | SIGNATURE: | F | 19/03/24 | FOR REVIEW | | |
|----------------------|------------|--|------------------------------|---|--|--|
| MICHAEL BULLEN | | E | 22/02/24 | FOR REVIEW | | |
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| | | | MICHAEL BULLEN E D C C B REV | MICHAEL BULLEN E 22/02/24 D 17/10/23 C 19/09/23 B 03/07/23 REV DATE DO NOT SCAL | | |

ARCHITECT
BREWSTER MURRAY PTY LTD
PH (02) 9299 0988
BCA CONSULTANT
MENT
NSIONS ON SITE.
EDENCE.

CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

GREENLAND DESIGN

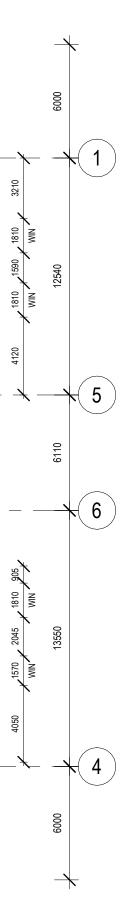
HOMES NSW

RESIDENTIAL FLAT BUILDING AND DWELLING HOUSING DEVELOPME UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 2 LOTS 8, 9, 10, 11 IN DP31850 *Ideeda fii* **DETERMINED** by the NSW Land and Housing Corporation on: 27.05.24



LEGEND:

2

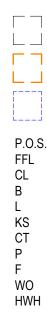


| 2 BEDROOM UNIT | |
|--------------------|--|
| 3 BEDROOM UNIT | |
| BALCONY / PATIO | |
| LANDSCAPE AREA | |
| DEEP SOIL AREA | |
| CONCRETE / PATHWAY | |
| DRIVEWAY | |
| | |

SOLAR ACCESS MIDWINTER

CROSS VENTILATION

(WITH TPZ DASHED)



ROOF OVER

EXISTING BUILDING TO BE DEMOLISHED CIRCULATION

CLEARANCE PRIVATE OPEN SPACE

FINISHED FLOOR LEVEL CLOTHES LINE BROOM CUPBOARD LINEN KITCHEN SINK COOKTOP PANTRY FRIDGE WALL OVEN GAS HOT WATER HEATER

EXISTING TREE - TO BE DEMOLISHED

EXISTING TREE TO BE RETAINED

| D MULTI | GROUND FLOOR PLAN | | SKETCH DESIGN | | | |
|------------------|-------------------|---------|-----------------------------|----------------|-----------------------|---------------------|
| ENT | | | ^{date} 19/03/24 | scale 1:100 | ^{proj} MB | PROJECT NO BGZDY |
| 1 2470 | | | STAGE | SHEET SIZE | designer AG | снескер MB |
| 2470 | FILE | PLOTTED | ТҮРЕ | SHEET | \ 05 | F |

(D)໌ດົ В Α 7850 7850 7850 No. 129 LENNOX SINGLE STOREY (TILE ROOF) No. 35 HICKEY SINGLE STOREY (METAL ROOF) No. 127 LENNOX NEIGHBOUR P.O.S NEIGHBOUR P.O.S SINGLE STOREY (METAL ROOF) METAL SHED 51 72 71 SVT NEIGHBOUR P.O.S DA10 (1) _____ METAL 3° FALL SHED 3° FALI SKY I TUBE C SKY TUBE ကို 🚺 DA10 40 NEIGHBOUR P.O.S MDR-1 MDR-1 MDR-1 (2)69 No. 33 HICKEY SINGLE STOREY WIN - 3600 .31 WIN 4015 310 DØOR 310 3665 (METAL ROOF) DOOR 4630 310 U14 P.O.S U14 BED 1 $(\mathbf{3})$ Æ, BED 1 NEIGHBOUR P.O.S ₹₩ DA10 MDR-1 SINGLE STOREY BRICK RESIDENCE No. 64 3° FALL (TILE ROOF) -- CARPORT *f*#, *f*#, 4 X 67_____ GOLDEN SHOWER TREE 6m H/T 6m SD
 3910
 140
 3710
 310
 2630
 310
 3860
 140 1505 140
 3200
 310

 U13 BED 2
 U13 KIT/DIN/LIV
 EXIST. PP
 U14 BED 3
 U14 WC
 U14 BED 2
 1360 1810 2480 1810 610 1675 1810 945 600 1620 1810 1005 WIN WIN WIN WIN WIN WIN 3300 9480 8510 6150 7815 (H)L (J) K

1 | FIRST FLOOR PLAN



| DO NOT SCALE DRAWINGS. CHECK ALL DIM | | | | | | | |
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STAPLETON AVE

ARCHITECT BREWSTER MURRAY PTY LTD PH (02) 9299 0988 BCA CONSULTANT ENT NSIONS ON SITE. DENCE.

CONSULTING ENGINEERS GREENVIEW CONSULTING CLIENT

PROJECT **RESIDENTIAL FLAT BUILDING AND** DWELLING HOUSING DEVELOPMEN UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 247 LOTS 8, 9, 10, 11 IN DP31850

LANDSCAPE CONSULTANT GREENLAND DESIGN HOMES NSW

Certificate No. 0009000920

ROOF OVER

CIRCULATION

CLOTHES LINE

KITCHEN SINK

COOKTOP PANTRY

WALL OVEN

FRIDGE

LINEN

CLEARANCE

EXISTING BUILDING

TO BE DEMOLISHED

PRIVATE OPEN SPACE

FINISHED FLOOR LEVEL

GAS HOT WATER HEATER

BROOM CUPBOARD

Assessor name Dean Gorman Accreditation No. DMN/13/1645 Property Address Unit 8, 64-70 Stapleton Avenue, Casino NSW,2470

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P.O.S.

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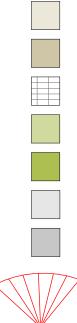
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| 2 BEDROOM UNIT |
|--------------------|
| 3 BEDROOM UNIT |
| BALCONY / PATIO |
| LANDSCAPE AREA |
| DEEP SOIL AREA |
| CONCRETE / PATHWAY |
| DRIVEWAY |
| |



CROSS VENTILATION

SOLAR ACCESS MIDWINTER



EXISTING TREE TO BE RETAINED (WITH TPZ DASHED)

EXISTING TREE - TO BE DEMOLISHED

| MULTI | ™ FIRST FLOOR PLAN | | SKETCH DESIGN | | | |
|-------|-----------------------|---------|------------------|------------------|----------------|---------------------|
| NT | | | date 22/02/24 | scale 1:200 | proj MB | PROJECT No BGZDY |
| 470 | | | STAGE | SHEET SIZE A1 | designer AG | снескер MB |
| | FILE | PLOTTED | TYPE | SHEET | .06 | REV E |

North



STAPLETON AVE

1 ROOF PLAN

| NOMINATED ARCHITECT: | SIGNATURE: | Е | 22/02/24 | FOR REVIEW |
|----------------------|------------|---|----------|--------------------|
| MICHAEL BULLEN | | D | 17/10/23 | FOR REVIEW |
| | | С | 19/09/23 | FOR REVIEW |
| | | В | 03/07/23 | FOR REVIEW |
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LEGEND:

DP DOV G COL MDR-1 COL

DOWNPIPE COLORBOND GUTTER COLORBOND METAL DECK ROOF

NOTE: REFER TO FINISHES SCHEDULE FOR MATERIALS

ARCHITECT
BREWSTER MURRAY PTY LTD
PH (02) 9299 0988
BCA CONSULTANT
MENT
NSIONS ON SITE.

CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

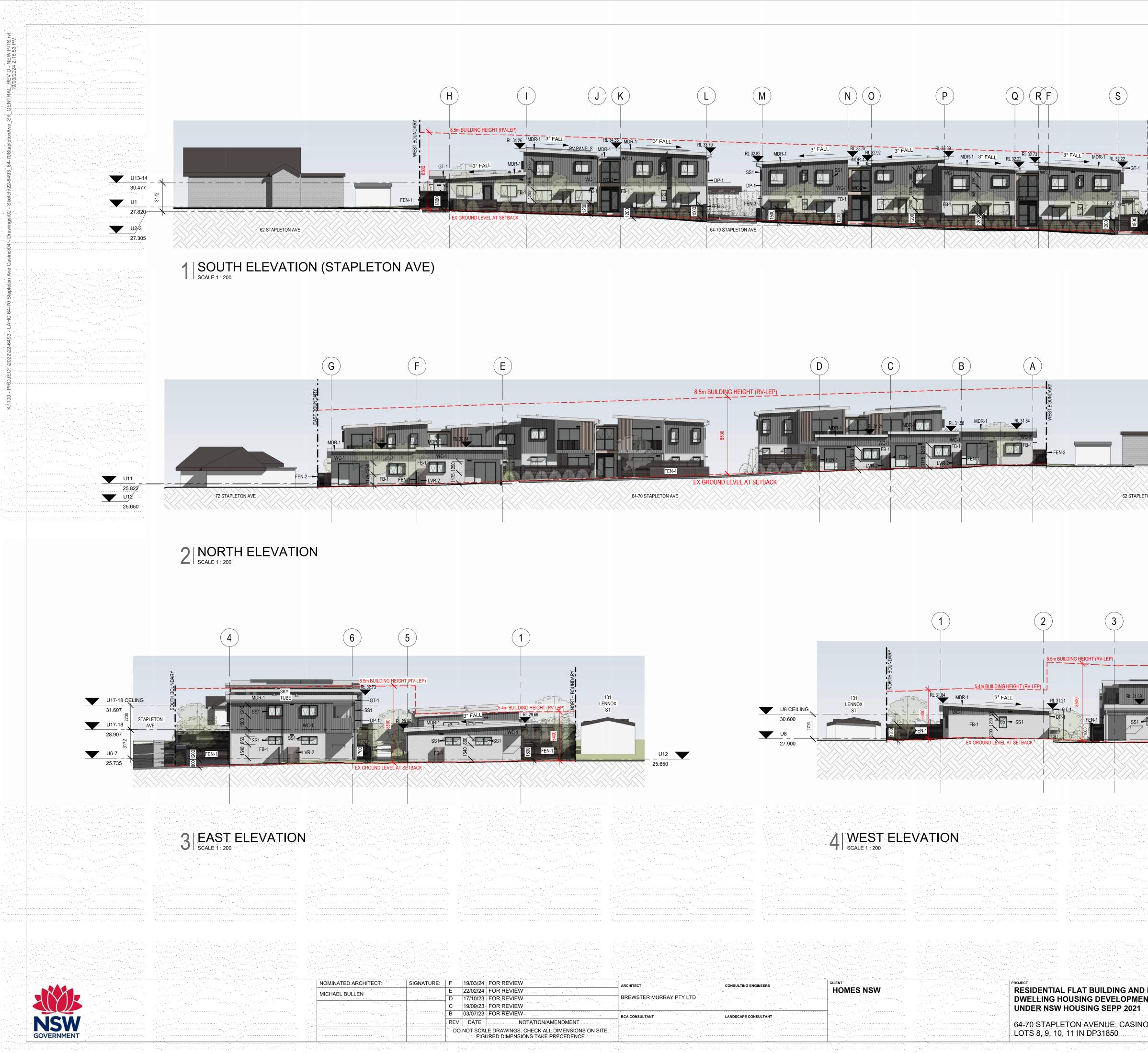
GREENLAND DESIGN

CLIENT HOMES NSW RESIDENTIAL FLAT BUILDING AND M DWELLING HOUSING DEVELOPMENT UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 2470 LOTS 8, 9, 10, 11 IN DP31850 *Ideeda fii DETERMINED by the NSW Land and Housing Corporation on: 27.05.24*

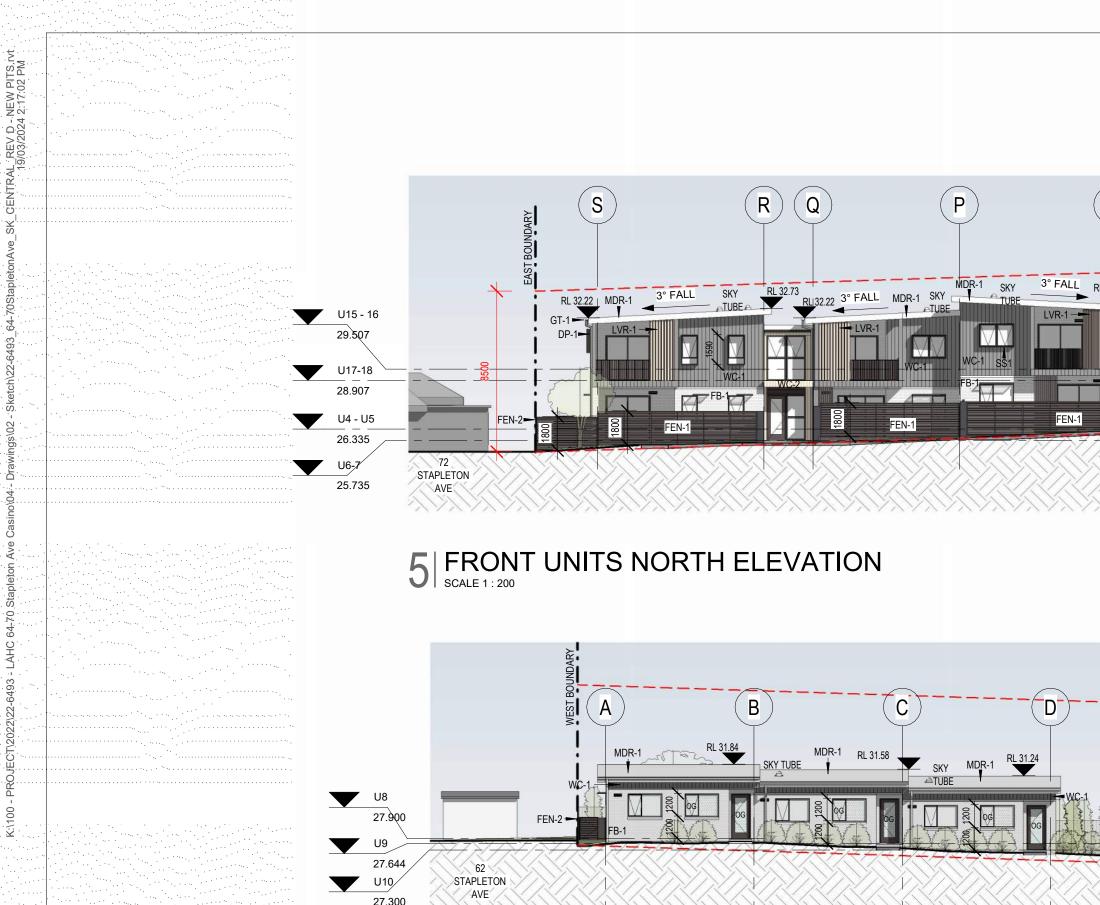
| HOUSE Scan QR co | de or follow website link for ra | ting details. |
|-------------------|--|---------------|
| Assessor name | Dean Gorman | in station |
| Accreditation No. | DMN/13/1645 | |
| Property Address | Unit 8, 64-70 Stapleton Avenue,Casino NSW,2470 | |

| | hermal Performance Specification | | | | |
|---|--|---|--|--|--|
| | External Walls | | | | |
| Insulation | Colour | Comments | | | |
| R0.7 | Light - SA < 0.475 | Throughout, as per elevations | | | |
| R2.5 | Dark - SA > 0.70 | Throughout, as per elevations | | | |
| S | A - Solar Absorptance | | | | |
| | Internal Walls | | | | |
| Insulation | | Comments | | | |
| None | | Internally in units (Ground floor) | | | |
| None | | Internally in units (Level 1) | | | |
| None | | Shared walls with units/lobbies | | | |
| | Floors | | | | |
| Insulation | | Comments | | | |
| None | | Ground floor | | | |
| None | | Level 1 (units above) | | | |
| | Ceilings | | | | |
| Insulation | | Comments | | | |
| None | Unit above | | | | |
| R2.5 | Roof/air above | | | | |
| | t. A sealed exhaust fan has beel | | | | |
| | t. A sealed exhaust fan has beel Roof | n included in every kitchen, bathroom, laundry and ensuite. | | | |
| | | | | | |
| been modelled in this assessment | Roof | n included in every kitchen, bathroom, laundry and ensuite. | | | |
| been modelled in this assessment Insulation R1.3 foil-faced blanket | Roof Colour | n included in every kitchen, bathroom, laundry and ensuite. Comments | | | |
| been modelled in this assessment Insulation R1.3 foil-faced blanket | Roof Colour Light - SA < 0.475 | n included in every kitchen, bathroom, laundry and ensuite. Comments | | | |
| been modelled in this assessment Insulation R1.3 foil-faced blanket | Roof Colour Light - SA < 0.475 A - Solar Absorptance | n included in every kitchen, bathroom, laundry and ensuite. Comments | | | |
| been modelled in this assessment Insulation R1.3 foil-faced blanket S | Roof Colour Light - SA < 0.475 A - Solar Absorptance Glazing | n included in every kitchen, bathroom, laundry and ensuite. Comments Throughout (unventilated cavity) | | | |
| s been modelled in this assessment Insulation R1.3 foil-faced blanket S/ U-Value | Roof Colour Light - SA < 0.475 A - Solar Absorptance Glazing SHGC | n included in every kitchen, bathroom, laundry and ensuite. Comments Throughout (unventilated cavity) Glazing & Frame Type | | | |
| s been modelled in this assessment Insulation R1.3 foil-faced blanket S/ U-Value 6.7 6.7 | Roof Colour Light - SA < 0.475 A - Solar Absorptance Glazing SHGC 0.70 0.57 | n included in every kitchen, bathroom, laundry and ensuite. Comments Throughout (unventilated cavity) Glazing & Frame Type e.g. Single glazed clear Aluminium frame | | | |
| s been modelled in this assessment Insulation R1.3 foil-faced blanket S/ U-Value 6.7 6.7 | Roof Colour Light - SA < 0.475 | n included in every kitchen, bathroom, laundry and ensuite. Comments Throughout (unventilated cavity) Glazing & Frame Type e.g. Single glazed clear Aluminium frame e.g. Single glazed clear Aluminium frame | | | |
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| s been modelled in this assessment Insulation R1.3 foil-faced blanket S/ U-Value 6.7 6.7 C Default Windows Set. Glazing sy Fran Timber ar | Roof Colour Light - SA < 0.475 | n included in every kitchen, bathroom, laundry and ensuite. Comments Throughout (unventilated cavity) Glazing & Frame Type e.g. Single glazed clear Aluminium frame e.g. Single glazed clear Aluminium frame an equal or lower U value and a SHGC value ± 10% of the above Comments Single glazed clear, Bathrooms in Units: 1, 9-12, 16-18, WC | | | |
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| epared | by | | | | | | |
|--|----------------------|-----------|---------------------------|----------------|------------|------------------|--|
| Greenview Consulting Pty Ltd ABN: 32600067338 | | | | | | | |
| ILTING | Email: dean@greenvie | ew.net.au | Phone: 04 | 04 649 | 762 | | |
| | | | | | | North | |
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| | | Asse Accr Prop | Certificate No. 000 Scan QR code or follow websit ssor name Dean Gorman editation No. DMN/13/1645 erty Address Unit 8, 64-70 Sta Avenue, Casino NSW,2470 m.au/QR/Generate?p=AeLyPwiE | e link for rating details. | | |
| EAST BOUNDARY | | U15 - 16 29,507 | | | | |
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| | | U8 27.900 U9 27.644 | | | | |
| TON AVE | | 27.300 | | | | |
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| SKY TUBE | LS SOUTH BOUNDARY | APLETON AVE U1 CEI | LING | | | |
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6 REAR UNITS SOUTH ELEVATION

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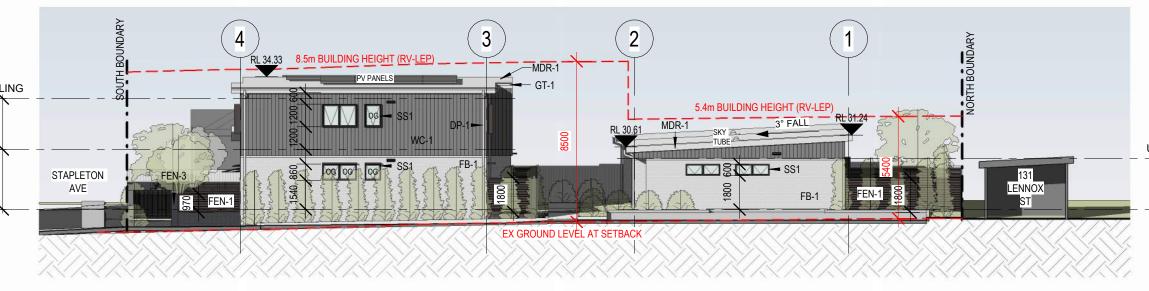
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NSW GOVERNMENT

7 WEST ELEVATION (FROM CARPARK) 3 2 4 RL 34.33 8.5m BUILDING HEIGHT (RV-LEP) -MDR-PV PANELS

UND LEVEL AT SETBACK



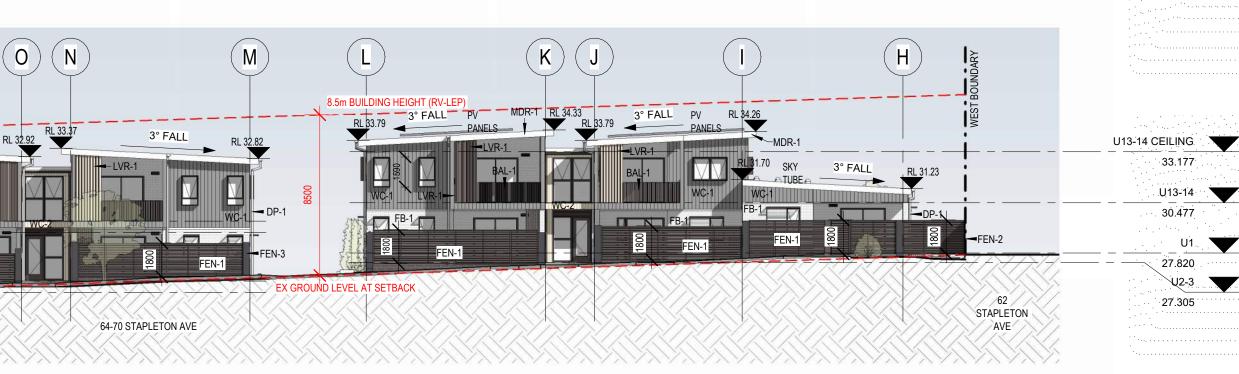
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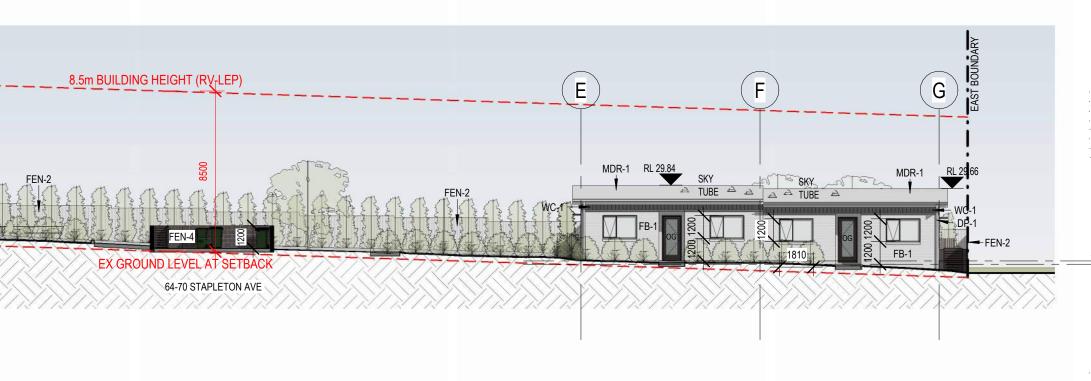
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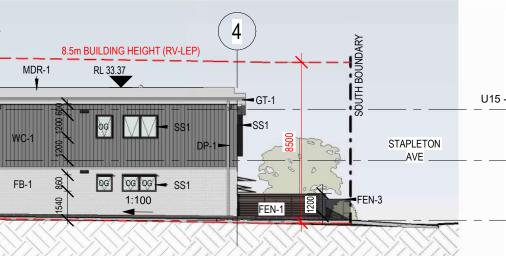
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8 EAST ELEVATION (FROM CARPARK)

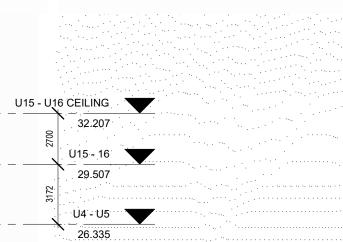
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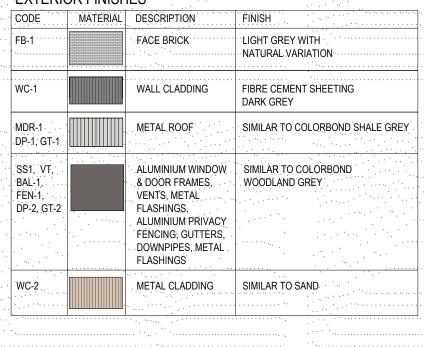
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> CLIEN HOMES NSW

EXTERIOR FINISHES



RESIDENTIAL FLAT BUILDING AND N DWELLING HOUSING DEVELOPMENT UNDER NSW HOUSING SEPP 2021

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64-70 STAPLETON AVENUE, CASINO 2470 LOTS 8, 9, 10, 11 IN DP31850

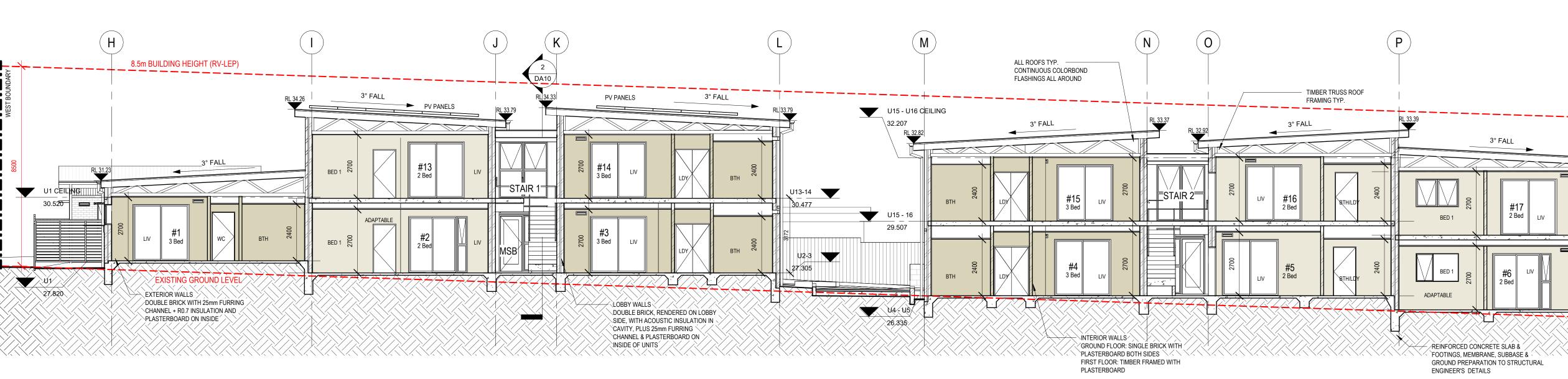
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| | | | Assessor | can QR code or follow website link name Dean Gorman | | | · · · · · · · · · · · · |
| | | | | tion No. DMN/13/1645 Address Unit 8, 64-70 Stapleto Avenue,Casino | | | ·· ·· · · · · · · · · · · · |
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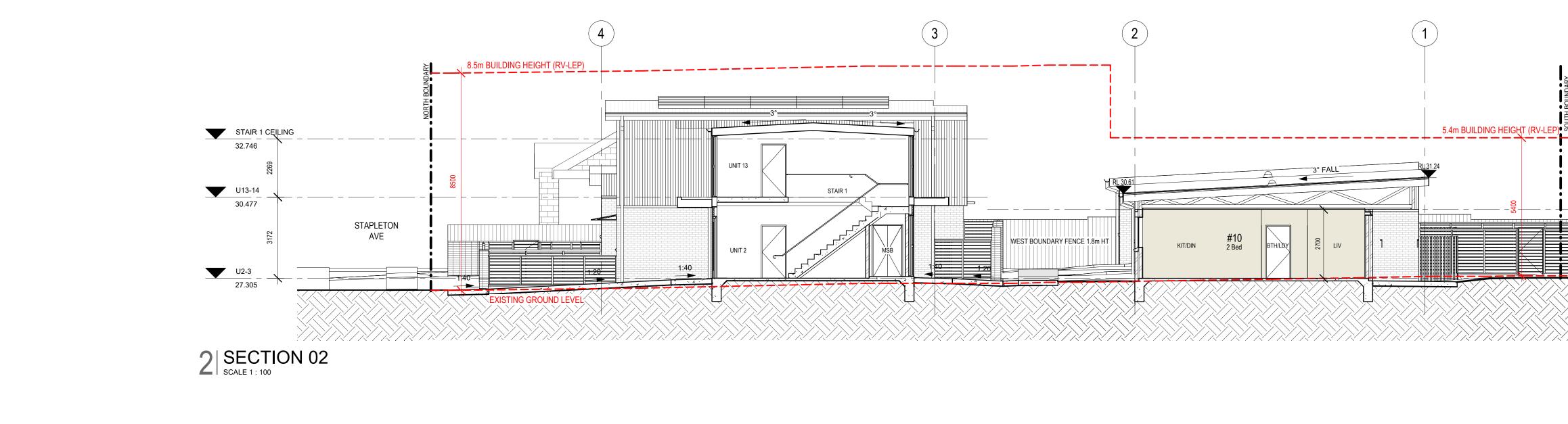
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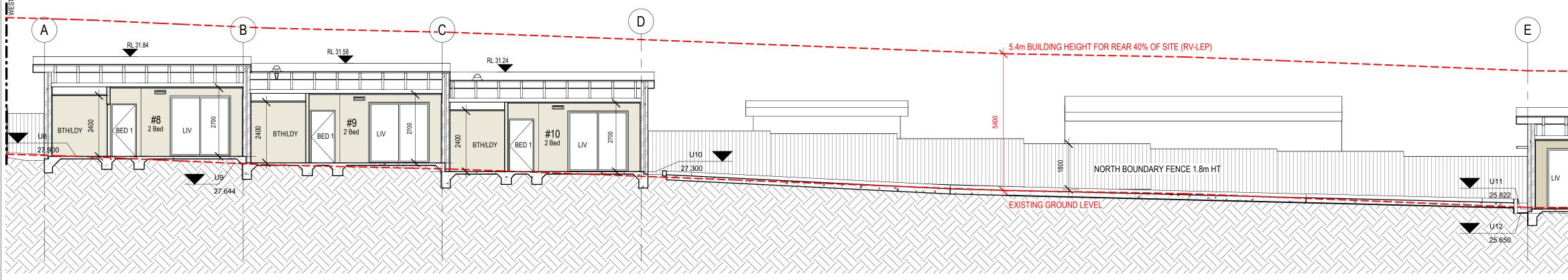
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DETERMINED by the NSW Land and Housing Corporation on: 27.05.24









3 SECTION 03 SCALE 1 : 100



| | NOMINATED ARCHITECT: | SIGNATURE: | | | | | |
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| | MICHAEL BULLEN | | D | 17/10/23 | FOR REVIEW | | |
| | | | С | 19/09/23 | FOR REVIEW | | |
| | | | В | 03/07/23 | FOR REVIEW | | |
| | | | | 23/06/23 | FOR REVIEW | | |
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| | ARCHITECT |
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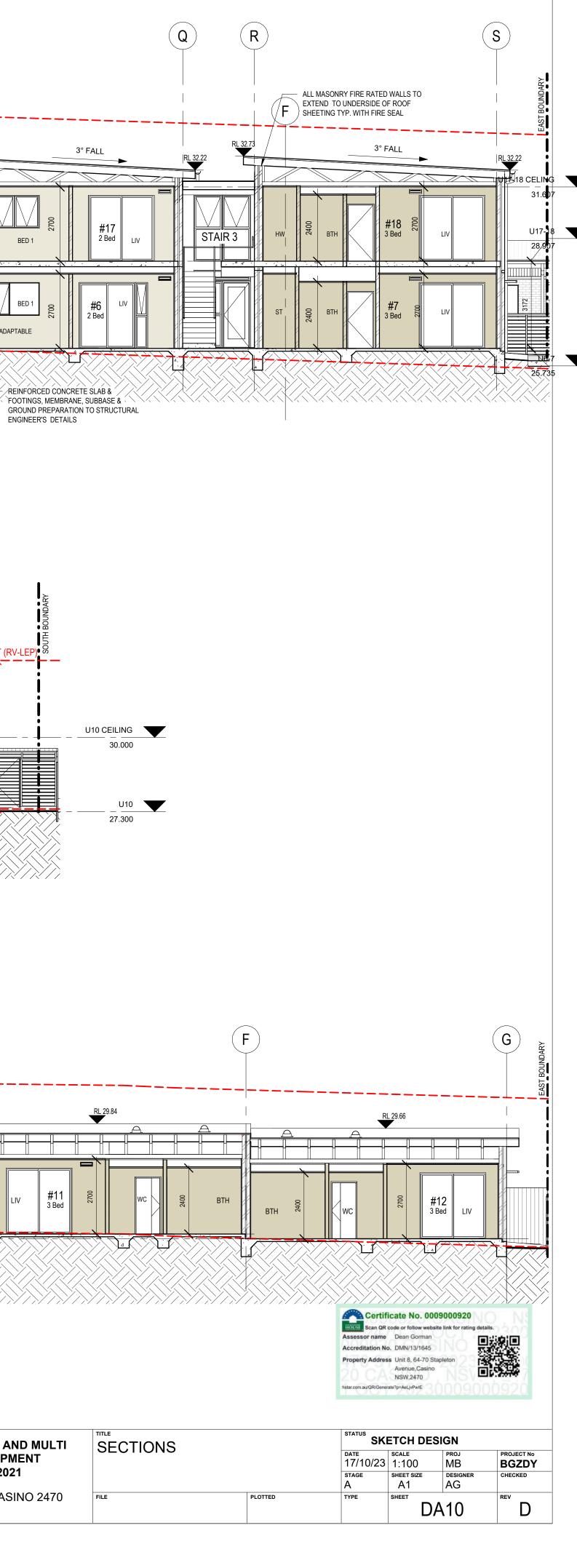
CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

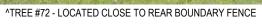
CLIENT HOMES NSW RESIDENTIAL FLAT BUILDING AND MULTI DWELLING HOUSING DEVELOPMENT UNDER NSW HOUSING SEPP 2021

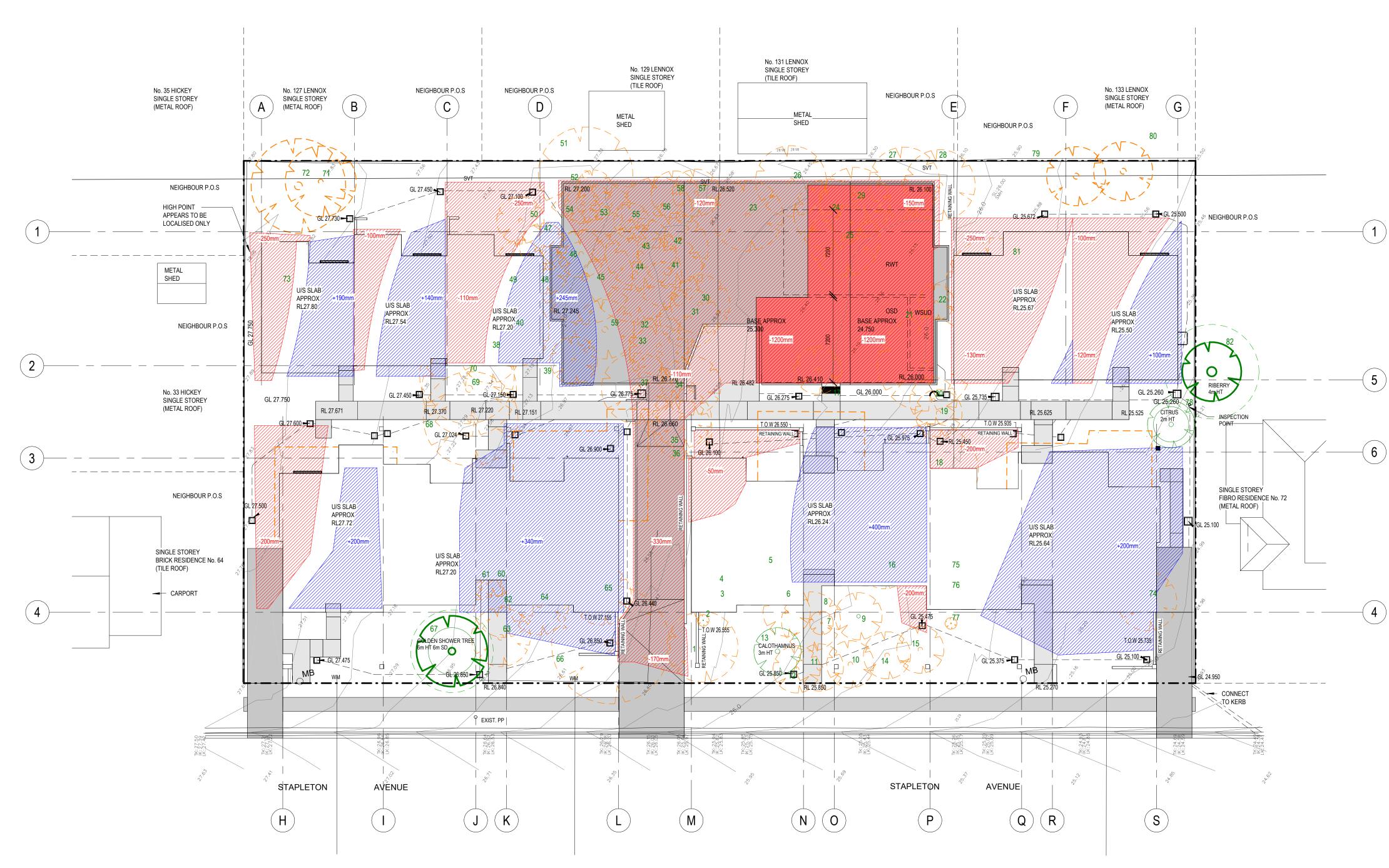
64-70 STAPLETON AVENUE, CASINO 2470 LOTS 8, 9, 10, 11 IN DP31850











1 CUT AND FILL PLAN SCALE 1 : 200



| NOMINATED ARCHITECT: | SIGNATURE: | | | | ARCHITECT |
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| MICHAEL BULLEN | | D | 17/10/23 | FOR REVIEW | |
| | | С | 19/09/23 | FOR REVIEW | BREWSTER MURRAY PTY LTD |
| | | В | 03/07/23 | FOR REVIEW | PH (02) 9299 0988 |
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LANDSCAPE CONSULTANT

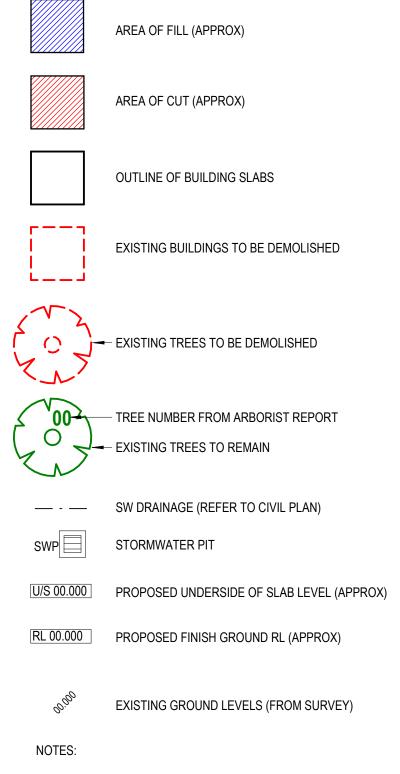
GREENLAND DESIGN

HOMES NSW

RESIDENTIAL FLAT BUILDING AND M DWELLING HOUSING DEVELOPMENT UNDER NSW HOUSING SEPP 2021 64-70 STAPLETON AVENUE, CASINO 2470 LOTS 8, 9, 10, 11 IN DP31850 *Ideede fif DETERMINED by the NSW Land and Housing Corporation on: 27.05.24*



LEGEND:



1. BUILDER TO VERIFY ALL PROPOSED LEVELS FOR EXCAVATION, ALL SURVEY INFORMATION, INCLUDING SERVICES AND LEVELS AND MAKE ADJUSTMENTS TO SUIT FINISHED REDUCED LEVELS PRIOR TO EXCAVATION COMMENCING 2. BUILDER TO VERIFY ALL ABOVE GROUND / INGROUND POND, POOLS, WATER TANKS & SEPTIC TANKS ON SITE. AFTER DEMOLITION & REMOVAL OF THESE ITEMS, BUILDER TO INFILL

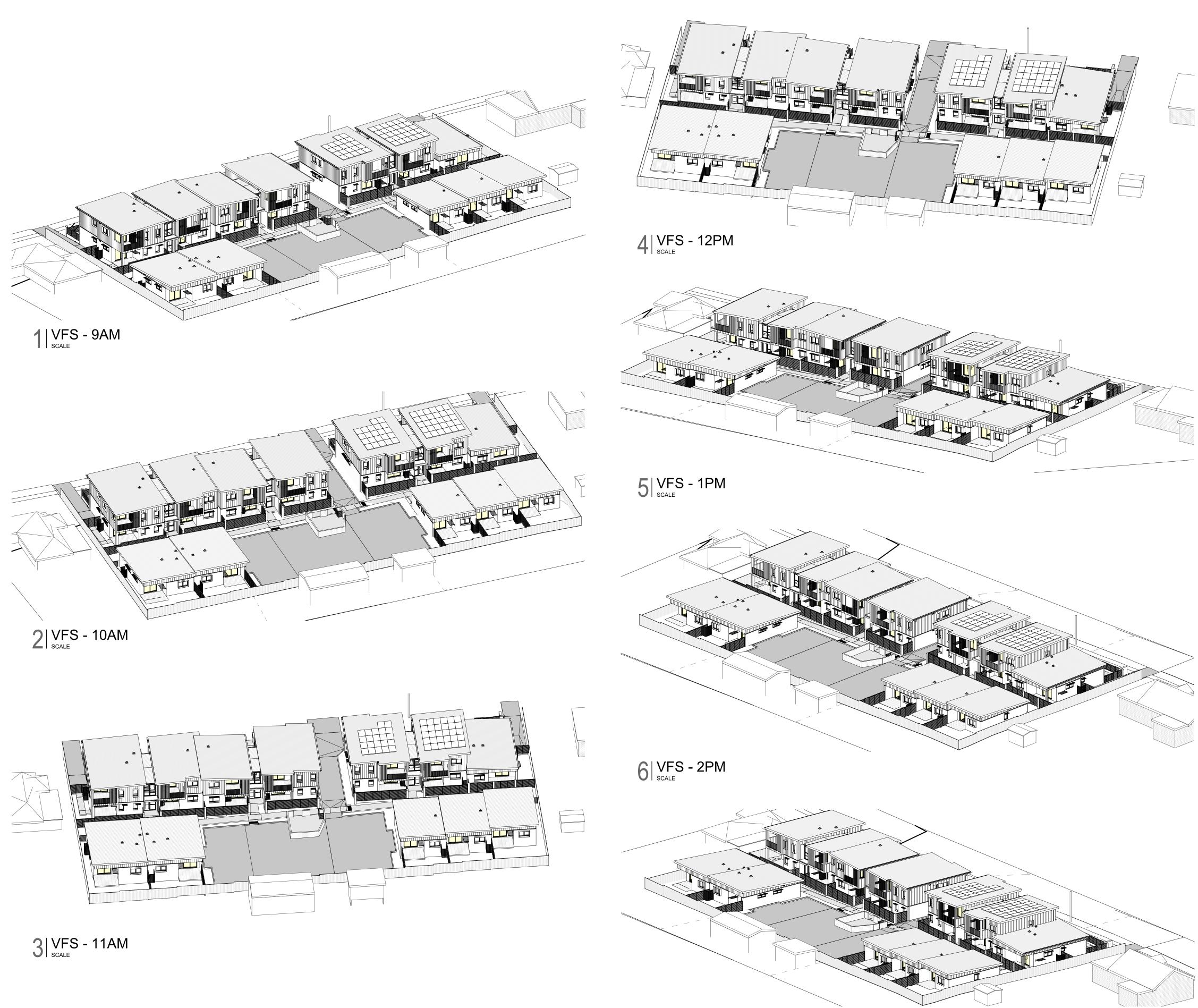
HOLE TO NATURAL GROUND LEVEL OR INFILL TO REQUIRED LEVEL FOR CONSTRUCTION. 3. EXTENT OF CUT AND FILL AREAS SHOWN SHADED ARE INDICATIVE FOR BULK EXCAVATION ONLY. CONTRACTOR TO

INDICATIVE FOR BULK EXCAVATION ONLY. CONTRACTOR TO VERIFY ON SITE.

| North | |
|-------|--|
| | |

| MULTI | TTLE CUT & FILL & RETA | STATUS SK | SKETCH DESIGN | | | | |
|-------|---------------------------|-----------|------------------|------------------|----------------|---------------------|--|
| NT | WALLS | | DATE 17/10/23 | SCALE | proj MB | PROJECT NO BGZDY | |
| 70 | | | STAGE | SHEET SIZE A1 | designer AG | снескер МВ | |
| 10 | FILE | PLOTTED | ТҮРЕ | SHEET | \ 11 | REV D | |







| NOMINATED ARCHITECT: | SIGNATURE: | | | | ARCHITECT | CONSULTING ENGINEERS | CLIENT | PROJECT |
|---|------------|-----|----------|--------------------|-------------------------|------------------------------|-----------|---------------------------------|
| MICHAEL BULLEN | | D | 17/10/23 | FOR REVIEW | | | HOMES NSW | RESIDENTIAL FLAT BUILDING AND I |
| | | С | 19/09/23 | FOR REVIEW | BREWSTER MURRAY PTY LTD | | | DWELLING HOUSING DEVELOPMEN |
| | | В | 03/07/23 | FOR REVIEW | 1 | | | UNDER NSW HOUSING SEPP 2021 |
| | | Α | 23/06/23 | FOR REVIEW | BCA CONSULTANT | LANDSCAPE CONSULTANT | | |
| | | REV | DATE | NOTATION/AMENDMENT | | | | 64-70 STAPLETON AVENUE, CASINO |
| DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE. | | | | | | LOTS 8, 9, 10, 11 IN DP31850 | | |
| | | | | | | | | |

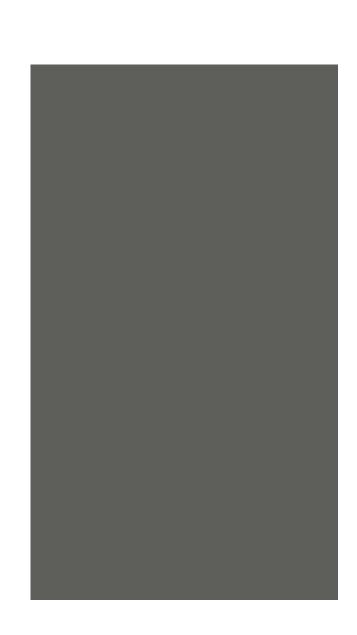
7 VFS - 3PM

Haleeda fit DETERMINED by the NSW Land and Housing Corporation on: 27.05.24



| WINTER SOLAR ACCESS SUMMARY | | | | | | | |
|-----------------------------|-------------------------|-----------|---------------------------|--------|-------------------|--|--|
| UNIT | LIVING AREAS | | P.O.S | | LIVING + P.O.S | | |
| 01 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 02 | 9AM - 11AM, 1PM - 3PM | 4 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 03 | 9AM - 11AM, 1PM - 2PM | 3 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 04 | 9AM - 3PM | 6 HRS | 10AM - 12PM, 2PM - 3PM | 3 HRS | \checkmark | | |
| 05 | 9AM - 11AM, 1PM - 3PM | 4 HRS | 10AM - 12PM | 2 HRS | \checkmark | | |
| 06 | 9AM - 11AM, 1PM - 2PM | 3 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 07 | 9AM - 11AM, 1PM - 2PM | 3 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 08 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 09 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 10 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 11 | 9AM - 2PM | 5 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 12 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 13 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 14 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 15 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 16 | 9AM - 3PM | 6 HRS | 9AM - 3PM | 6 HRS | \checkmark | | |
| 17 | 9AM - 2PM | 5 HRS | 9AM - 2PM | 5 HRS | \checkmark | | |
| 18 | 9AM - 1PM | 4 HRS | 9AM - 3PM | 6 HRS | ✓ | | |
| TOT | AL UNITS RECEIVING 2 HR | S MIN LIV | /ING + P.O.S: 18/18 UNITS | = 100% | | | |

| D MULTI | | | | SKETCH DESIGN | | | |
|---------|------|------------------|--------------|------------------|---------------------|---------|--|
| NT | | date 17/10/23 | scale NTS | proj MB | PROJECT NO BGZDY | | |
| | | | stage A | sheet size A1 | designer AG | CHECKED | |
| IO 2470 | FILE | PLOTTED | ТҮРЕ | SHEET DA13 | | REV | |





CERAMIC TILES - PRIVATE OPEN SPACE - LIGHT GREY

PREFINISHED STEEL - SIMILAR TO COLORBOND WOODLAND GREY WINDOW & DOOR FRAMES, SUN SHADES, FENCING, TRIMS

FEN-1 G DP2 SS1

CT-1

WC-2





FACE BRICK - LIGHT GREY





PREFINISHED FIBRE CEMENT CLADDING - DARK GREY WITH WOODGRAIN

WC-1

| NOMINATED ARCHITECT: | SIGNATURE: | | | | | | |
|----------------------|------------|--|----------|-------------------|--|--|--|
| MICHAEL BULLEN | | | | | | | |
| | | С | 19/09/23 | FOR REVIEW | | | |
| | | В | 03/07/23 | FOR REVIEW | | | |
| | | Α | 23/06/23 | FOR REVIEW | | | |
| | | REV | DATE | NOTATION/AMENDMEN | | | |
| | | DO NOT SCALE DRAWINGS. CHECK ALL DIMEN FIGURED DIMENSIONS TAKE PRECED | | | | | |
| | | | | | | | |





METAL WALL CLADDING - SAND COLOUR

PREFINISHED METAL ROOFING - SIMILAR TO COLORBOND SHALE GREY



- DARK GREY

MDR-1 DP1

FEN-3

SPLIT FACE BLOCKWORK - DARK GREY RETAINING WALLS, GARBAGE AREA



METAL BALUSTRADING - DARK GREY

BAL-1

FEN-4

ARCHITECT BREWSTER MURRAY PTY LTD BCA CONSULTANT -ит ISIONS ON SITE. DENCE.

CONSULTING ENGINEERS

LANDSCAPE CONSULTANT

CLIENT HOMES NSW RESIDENTIAL FLAT BUILDING AND DWELLING HOUSING DEVELOPME UNDER NSW HOUSING SEPP 2021

64-70 STAPLETON AVENUE, CASIN LOTS 8, 9, 10, 11 IN DP31850

FACE BRICK - BRICK PIERS





ALUMINIUM PRIVACY SCREENING - WOOD-LOOK

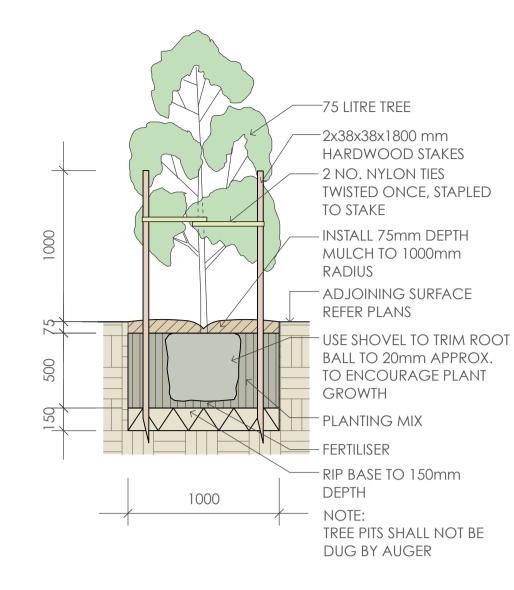


| HOUSE Scan QR co | de or follow website link for ra | ting details. |
|-------------------|--|---------------|
| Assessor name | Dean Gorman | (m):00:(m) |
| Accreditation No. | DMN/13/1645 | |
| Property Address | Unit 8, 64-70 Stapleton Avenue,Casino NSW,2470 | |

| ND MULTI | MATERIALS & FINISHES | | | SKETCH DESIGN | | | | |
|------------|----------------------|---------|------------------|------------------|----------------|---------------------|--|--|
| MENT 21 | | | date 19/09/23 | SCALE | proj MB | PROJECT No BGZDY | | |
| | | | stage A | SHEET SIZE A1 | designer AG | CHECKED | | |
| SINO 2470 | FILE | PLOTTED | TYPE | SHEET DA14 | | REV C | | |

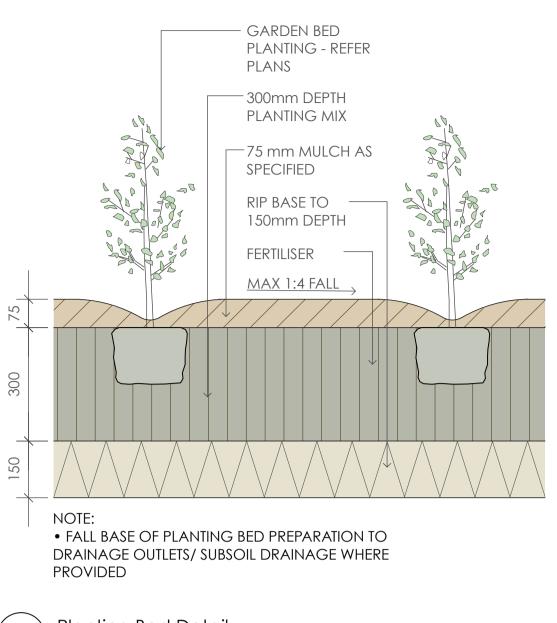


| | ARCHITECT | | PROJECT: |
|-------------|---|--|--|
| | BREWSTER MURRAY PTY LTD | | RESIDENTIAL FLAT BUILDING ANI |
| | PH (02) 9299 0988 | | DWELLING HOUSING UNDER HO |
| | | | SEPP 2021 |
| | HOMES NSW | | SEPP 2021 |
| | | | |
| | LANDSCAPE CONSULTANT | | |
| IS ON SITE. | GREENLAND DESIGN PTY LTD PH 0403 164 198 | | 64-70 STAPLETON AVENUE, CASINO 247 LOTS 8, 9, 10, 11 IN DP31850 |



75 Litre Tree Planting

scale 1:25





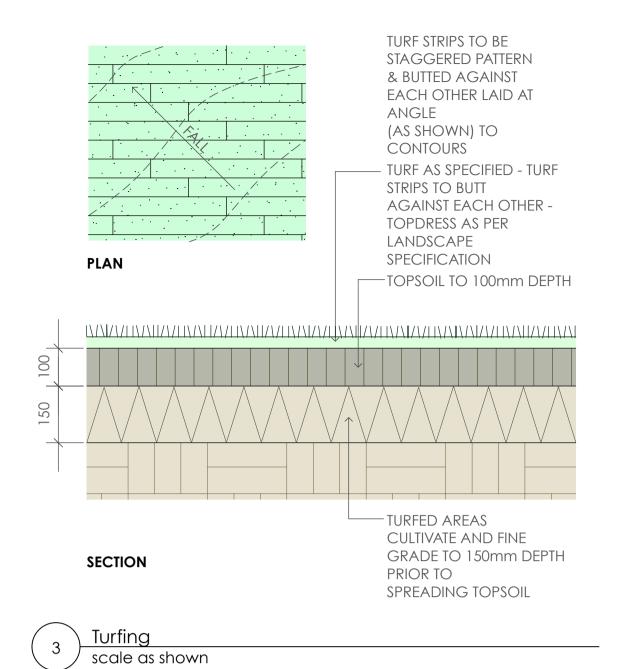
| Plant Sche | edule | | | | | | |
|------------|-------|---------------------------|-------------------------------------|---------|---------------|---------------|-----------|
| ID | Qty | Common Name | Botanical Name | Size | Mature Height | Mature Spread | Native (N |
| Trees | | | | | | | • |
| BacCit | 1 | Lemon Scented Myrtle | Backhousia citriodora | 75Litre | 6 - 8m | 4 - 5m | N |
| ElaRet | 6 | Blueberry Ash | Elaeocarpus reticulatus | 75Litre | 8 - 10m | 3 - 4m | N |
| TriLus | 11 | Water Gum | Tristaniopsis laurina 'Luscious' | 75Litre | 6 - 8m | 3.5 - 6m | N |
| Shrubs | | | | | | | |
| AcaGree | 14 | Green Mist | Acacia cognata 'Green Mist' | 200mm | 1.0 - 1.5m | 0.8 - 1.0m | N |
| AcmAlly | 153 | Allyn Magic | Acmena 'Allyn Magic' | 200mm | 0.6 - 0.8m | 0.6 - 0.8m | N |
| AcmChe | 30 | Forest Flame | Acmena 'Cherry Surprise' | 200mm | 3.0 - 5.0m | 1.2 - 1.5m | N |
| BanSpi | 10 | Hairpin Banksia | Banksia spinulosa | 200mm | 2.0 - 3.0m | 1.5 - 2.0m | N |
| CalAnz | 19 | White Bottle Brush | Callistemon citrinus 'White Anzac' | 200mm | 0.9 - 1.1m | 2.0 - 3.0m | N |
| CalLit | 45 | Little John | Callistemon "Little John" | 200mm | 0.9 - 1.5m | 0.9 - 1.2m | N |
| CalRed | 48 | Red Alert Bottle Brush | Callistemon 'Red Alert' | 200mm | 1.0 - 1.5m | 2.0 - 3.0m | N |
| CorAlb | 48 | White Correa | Correa alba | 200mm | 0.9 - 1.5m | 0.9 - 1.2m | N |
| CorStri | 14 | Narrow Palm Lily | Cordyline stricta congesta | 200mm | 1 - 2m | 0.8 - 1.0m | N |
| CosEve | 76 | Evening Glow Mirror Plant | Coprosma 'Evening Glow' | 200mm | 1.2 - 1.5m | 0.9 - 1.2m | N |
| CriPed | 35 | Swamp Lily | Crinum pedunculatum | 200mm | 1.5 - 2m | 1.2 - 2.0m | N |
| GreHon | 7 | Honey Gem Grevillea | Grevillea 'Honey Gem' | 200mm | 3.0 - 4.0m | 2.0 - 3.0m | N |
| GreRob | 45 | Robyn Gordon Grevillea | Grevillea Robyn Gordon | 200mm | 1.0 - 1.5m | 1.0 - 1.2m | N |
| GreSer | 29 | Pink Spider Flower | Grevillea sericea | 200mm | 0.9 - 1.5m | 0.9 - 1.2m | N |
| LepGree | 74 | Green Screen Leptospermum | Leptospermum 'Green Screen' | 200mm | 1.2 - 1.5m | 1.2 - 1.5m | N |
| SH | 9 | Heath-leaved Banksia | Banksia ericifolia | 200mm | 3 - 5m | 3.5 - 6m | N |
| SyzCas | 25 | Cascade Lilly Pilly | Syzygium 'Cascade' | 200mm | 2 - 3m | 1.5 - 2.0m | N |
| SyzRes | 50 | Resilience Lilly Pilly | Syzygium 'Resilience' | 200mm | 2 - 3m | 1.2 - 2.0m | N |
| WesFru | 4 | Jervis Gem | Westringia fruticosa 'Jervis Gem' | 200mm | 0.8 - 1.2m | 0.8 - 1.2m | N |
| Ground C | overs | | | | | | |
| LomTan | 297 | Spiny-headed mat rush | Lomandra longifolia 'Tanika' | 150mm | 0.45 - 0.6m | 0.6 - 0.9m | N |
| WesMun | 83 | Mundi | Westringia fruticosa 'Mundi' | 150mm | 0.45 - 0.6m | 0.9 - 1.2m | Ν |
| DiaTas | 270 | Flax Lily | Dianella tasmanica 'Tasred' | 150mm | 0.4 - 0.5m | 0.4 - 0.5m | N |
| DicEme | 134 | Emerald Falls Dichondra | Dichondra 'Emerald Falls' | 150mm | 0.0 - 0.3m | 0.9 - 1.2m | N |
| MyoYar | 145 | Carpet Spreading Myoporum | Myoporum parvifolium 'Yareena' | 150mm | 0.05 - 0.1m | 0.8 - 1.0m | N |
| HypGol | 59 | Gold Nuget | Hymenosporum flavum 'Gold Nuget' | 150mm | 0.10 - 0.15m | 0.8 - 1.0m | N |
| CasCou | 34 | Cousin It | Casuarina 'Cousin It' | 150mm | 0.10 - 0.15m | 0.8 - 1.0m | N |
| VioHed | 156 | Native Violet | Viola hederacea | 150mm | 0.0 - 0.3m | 1.2 - 2.0m | N |
| BraMul | 19 | Break O Day | Brachyscome multifida | 150mm | 0.2 - 0.3m | 0.4 - 0.5m | N |
| BanBir | 10 | Birthday Candle | Banksia spinulosa 'Birthday Candle' | 150mm | 0.45 - 0.6m | 0.9 - 1.2m | N |

| GREENLAND DESIGN | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TWELVE MONTHS MAINTENANCE SCHEDULE | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Plant Care | | | | | | | | | | | | |
| Monitoring | | | | | | | | | | | | |
| Pruning as required | | | | | | | | | | | | |
| Deadhead /tip pruning | | | | | | | | | | | | |
| Slow release fertilise | | | | | | | | | | | | |
| Rapid suluble fertilise as required | | | | | | | | | | | | |
| Cut back perenials and grasses | | | | | | | | | | | | |
| Watering as required | | | | | | | | | | | | |
| Garden Bed | | | | | | | | | | | | |
| Edging | | | | | | | | | | | | |
| Remove weeds and herbicide spraying as required | | | | | | | | | | | | |
| Top up mulch as required | | | | | | | | | | | | |
| Dead foliage removal | | | | | | | | | | | | |
| Pest Management | | | | | | | | | | | | |
| Monitoring and herbicide spraying as required | | | | | | | | | | | | |
| Turfed Area | | | | | | | | | | | | |
| Fertilise | | | | | | | | | | | | |
| Make good turf as required | | | | | | | | | | | | |
| Winter clean up | | | | | | | | | | | | |
| Remove dead foliage and pruning as required | | | | | | | | | | | | |



LOCKED BAG 5022 PARRAMATTA NSW 2124 PHONE No 1800 738 718 D 18/03/2024 DA C 24/10/2023 DA B 16/08/2023 SKETCH A 23/06/2023 SKETCH REV DATE NOTATION/AMENDMENT

DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS FIGURED DIMENSIONS TAKE PRECEDENCE.



SPECIFICATION NOTES PLANTING MATERIALS

Planting Mix:

Planting mix for tree pit backfill shall be "Organic Garden Mix" consisting of 50% Black Soil

20% Coarse Sand

30% Organic Material

as available from Australian Native Landscapes, Phone: [02] 9450 1444, or approved equivalent. Samples shall be provided to the Superintendent prior to ordering or delivery to site. Any material delivered to site, that is rejected by the Superintendent, shall be removed by the contractor at his own expense. Minimum depths of mix to all planting bed areas is as specified on details.

Mulch: Mulch to garden bed:

Mulch shall mean hardwood mulch (25mm grade), free from material derived from Privet, Willow, Poplar, Coral trees, or other noxious weeds. Any mulch exceeding the 25mm grade shall be rejected / removed from the site. Graded hardwood mulch to be supplied by Australian Native Landscapes Pty Ltd Phone (02) 9450 1444, or approved equivalent.

Spread mulch so that after settling, it is:

- smooth and evenly graded between design surface levels;
- flush with adjacent finished levels;

• of the required depths (75mm); and

• sloped towards the base of plant stems in plantation beds, but not in contact with the stem (not closer than 50mm in the case of gravel mulches). Place after the preparation of the planting bed, planting and all other work.

Plant Material:

All plant material must be true to the species. No substitutes will be allowed. All plants shall be free of fungus and insect damage. All plants shall be healthy, well shaped, not soft or force grown and not root bound.

Plants are available from Andreasens Green wholesale nursery, contact Darren (02) 8777 4713, email darren@andreasensgreen.com.au or approved equivalent. Turfed areas:

All new turfed areas are to be selected weed free Sir Walter DNA Certified Buffalo. Turf shall be laid neatly butted with staggered joins, flush with adjacent surfaces and have even running falls to all drainage points. All new turfed area shall have a minimum 150mm depth of weed free top soil,

placed and levelled prior to turfing.

PREPARATION AND HARDWORKS

Excavating for Spot Planting To planting areas, excavate a hole for each plant large enough to provide not less than twice the depth and twice the diameter than the root ball of species to be planted.

Staking

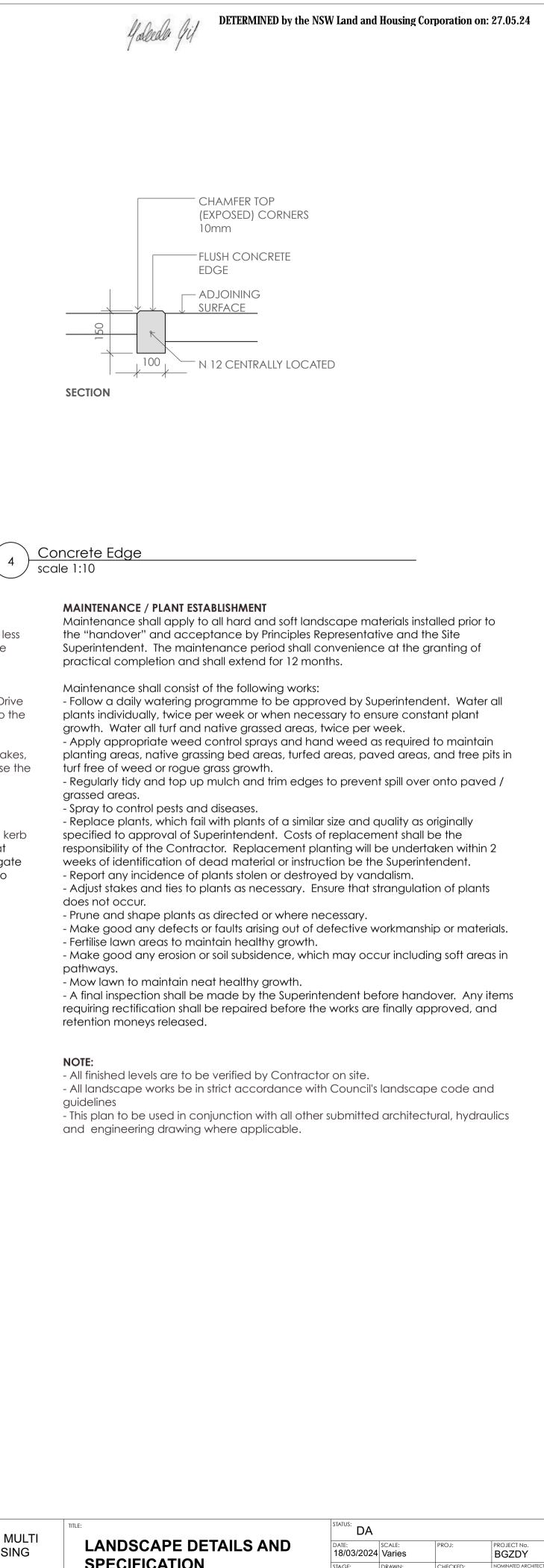
Use durable hardwood, straight, free from knots or twists, pointed at one end. Drive stakes into the ground a minimum one third of their length, avoiding damage to the root system.

• 75 Litre trees in 2 x 38x38x1800mm Hardwood Stake with double Nylon tie TIES: Provide a 50mm wide Nylon webbing tie per stake, fixed securely to the stakes, one tie at half the height of the main stem and the other as necessary to stabilise the plant.

Concrete Edge

MATERIALS: Concrete to be off white colour. INSTALLATION: Supply and install 150 x 100mm (width) reinforced flush concrete kerb to locations as approved on site by the Superintendent. Provide flexible joints at maximum 3 metre intervals in colour to match concrete. Lightly expose aggregate through rinsing / sponging. Tool finish exposed edges with 10mm pencil round to prevent chipping.

| | ARCHITECT BREWSTER MURRAY PTY LTD PH (02) 9299 0988 PROJECT MANAGER HOMES NSW | DW | ESIDENTIAL FLAT BUILDING AND MULTI VELLING HOUSING UNDER HOUSING EPP 2021 | LANDSCAPE DETAI SPECIFICATION | | STATUS: DA DATE: 18/03/2024 STAGE: I | SCALE: |
|----------|---|----|---|----------------------------------|----------|--|------------------|
| on site. | LANDSCAPE CONSULTANT GREENLAND DESIGN PTY LTD PH 0403 164 198 | | 70 STAPLETON AVENUE, CASINO 2470 TS 8, 9, 10, 11 IN DP31850 | FILE: 2754 | PLOTTED: | TYP | SHEET: 2 of 2 |



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PROPOSED DEVELOPMENT

64-70 Stapleton Avenue, Casino, NSW greenview Job No: 220996

GENERAL NOTES

- 1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE NOMINATED OR APPLICABLE COUNCIL SPECIFICATION. THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN.
- IT IS THE RESPONSIBILITY OF THE TENDERER TO SEEK CLARIFICATION WHERE DOCUMENTATION IS CONFLICTING OR UNCLEAR. WHERE NO CLARITY IS OBTAINED, THE TENDERER IS TO
- ALLOW FOR BOTH INTERPRETATIONS IN THEIR PRICING. CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN
- ADJACENT LANDS WITHOUT THE PERMISSION OF THE OWNER. 5 SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED FROM SITE
- 6. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING. 7. ALL DRAINAGE LINES THOUGH ADJACENT LOTS SHALL BE
- CONTAINED WITHIN EASEMENTS CONFORMING TO COUNCIL'S STANDARDS. 8. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT PLAN PREPARED BY AN
- ACCREDITED PERSON IN ACCORDANCE WITH RMS REQUIREMENTS, FOR ANY WORK ON OR ADJACENT TO PUBLIC ROADS, PLAN TO BE SUBMITTED TO COUNCIL & RMS AS REQUIRED. THESE PLANS SHALL BE A READ IN CONJUNCTION WITH OTHER RELEVANT CONSULTANTS' PLANS, SPECIFICATIONS, CONDITIONS OF DEVELOPMENT CONSENT AND CONSTRUCTION CERTIFICATE
- REQUIREMENTS 10. THE BUILDER/CONTRACTOR SHALL LOCATE ALL EXISTING PUBLIC UTILITY SERVICES WITHIN THE SITE, FOOTPATH AREA AND ROAD RESERVE PRIOR TO THE COMMENCEMENT OF ANY WORKS ALL LOCATIONS AND LEVELS OF SERVICES SHALL BE REPORTED TO THE STORMWATER ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORKS TO ENSURE THERE ARE NO OBSTRUCTIONS IN THE LINE OF THE DRAINAGE DISCHARGE PIPES. 11. THE BUILDER IS TO VERIFY ALL LEVELS ON SITE PRIOR TO
- COMMENCING CONSTRUCTION. 12. ALL THE CLEANING EYES (OR INSPECTION EYES) FOR THE UNDERGROUND PIPES HAVE TO BE TAKEN UP TO THE FINISHED GROUND LEVEL FOR EASY IDENTIFICATION AND MAINTENANCE
- PURPOSES 13. ALL TERRACE FLOOR AND PLANTER GRATES TO HAVE FIRE COLLARS FITTED EXCEPT FOR CLASS 1 BUILDINGS 14. ALL PITS HAVING AN INTERNAL DEPTH THAT EXCEEDS 1.0m SHALI BE PROVIDED WITH GAI VANIZED STEP IRON'S AT 300 mm CENTRES
- PLACED IN A STAGGERED PATTERN AND SHALL BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AS4198-1994. 15. ALL MULCHING TO BE USED WITHIN THE AREA DESIGNATED AS ON SITE DETENTION STORAGE SHALL BE OF A NON-FLOATABLE
- MATERIAL SUCH AS DECORATIVE RIVER GRAVEL. BARK MULCHING SHALL NOT BE USED WITHIN THE DETENTION STORAGE AREA. 16. PRIOR TO COMMENCING ANY WORKS ON THE SITE, THE BUILDER SHALL ENSURE THAT THE INVERT LEVELS OF WHERE THE SITE STORMWATER SYSTEM CONNECTION INTO COUNCIL'S KERB/DRAINAGE SYSTEM MATCH THE DESIGN LEVELS. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY
- 17. GREENVIEW IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY SURVEY INFORMATION PROVIDED ON THIS DRAWING 18 ALL LEVELS SHOWN ARE EXPECTED TO BE TO A HID 19. ALL CHAINAGES AND LEVELS ARE IN METERS, AND DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE
- 20. THE SURVEY INFORMATION ON THIS DRAWING HAS BEEN PROVIDED BY THE ARCHITECT. 21. CONTRACTORS SHALL ARRANGE FOR THE WORKS TO BE SET OUT
- BY A REGISTERED SURVEYOR. 22. W.A.E DRAWINGS BY A REGISTERED SURVEYOR ARE REQUIRED PRIOR TO CERTIFICATION OF DRAINAG
- 23. WHERE THESE PLANS ARE NOTED FOR DEVELOPMENT APPLICATION PURPOSES ONLY, THEY SHALL NOT BE USED FOR OBTAINING A CONSTRUCTION CERTIFICATE NOR USED FOR CONSTRUCTION PURPOSES WITHOUT WRITTEN APPROVAL
- 24. WATER TREATMENT DEVICES TO STRICTLY COMPLY WITH MANUFACTURING SPECIFICATIONS.

RAINWATER REUSE SYSTEM NOTES

- 1. RAINWATER SUPPLY PLUMBING TO BE CONNECTED TO OUTLETS WHERE REQUIRED BY BASIX CERTIFICATE (BY OTHERS)
- NO DIRECT CONNECTION BETWEEN TOWN WATER SUPPLY AND THE RAINWATER SUPPLY
- . PROVIDE AN APPROVED STOP VALVE AND/OR PRESSURE LIMITING VALVE AT THE RAINWATER TANK
- PROVIDE AT LEAST ONE EXTERNAL HOSE COCK ON THE TOWN WATER SUPPLY FOR FIRE FIGHTING.
- PROVIDE APPROPRIATE FLOAT VALVE AND/OR SOLENOID VALVES TO CONTROL TOWN WATER SUPPLY INLET TO TANK IN ORDER TO
- ACHIEVE THE TOP-UP INDICATED ON THE TYPICAL DETAIL. 6. ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED
- PLUMBERS IN ACCORDANCE WITH AS/NZ3500.1 NATIONAL PLUMBING AND DRAINAGE CODE
- PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY A LICENSED ELECTRICIAN
- 8. ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK SURFACE WATER INLETS ARE NOT TO BE CONNECTED 9. PIPE MATERIALS FOR RAINWATER SUPPLY PLUMPING ARE TO BE APPROVED MATERIALS TO AS/NZ3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED AS 'RAINWATER'. THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE (MADE IN ACCORDANCE WITH AS2648) OR FOR ABOVE GROUND PIPES BY USING ADHESIVE PIPE MARKERS
- (MADE IN ACCORDANCE WITH AS1345) 10. EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELLED 'RAINWATER' ON A METALLIC SIGN IN ACCORDANCE WITH AS1319
- 11. ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO AND VERMIN ENTRY 12. ALL DOWNPIPES CHARGED TO THE RAINWATER TANK ARE TO BE
- SEALED UP TO GUTTER LEVEL AND BE PRESSURE TESTED AND CERTIFIED 13. TOWN WATER CONNECTION TO RAINWATER TANK TO BE TO THE SATISFACTION OF THE REGULATORY AUTHORITY. THIS MAY REQUIRE PROVISION OF
- 13.1. PERMANENT AIR GAP 13.2. BACKFLOW PREVENTION DEVICE

SAFETY IN DESIGN NOTES

lomes

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NSV

THERE ARE INHERENT RISKS WITH CONSTRUCTING. MAINTAINING. OPERATING, DEMOLISHING, DISMANTLING AND DISPOSING, WE NOTE THIS DESIGN IS TYPICAL OF SIMILAR DESIGNS. AS FAR AS IS REASONABLY PRACTICABLE RISKS HAVE BEEN ELIMINATED OR MINIMISED THROUGH THE DESIGN PROCESS, HAZARD CONTROLS MUST STILL BE IMPLEMENTED BY THE CONTRACTOR, OWNER OR OPERATOR TO ENSURE THE SAFETY OF WORKERS. GREENVIEW ASSESSMENT DID NOT IDENTIFY ANY UNIQUE RISKS ASSOCIATED WITH THE DESIGN.

Homes NSW

Ph: 1800 738 718 (voicemail)

www.nsw.gov.au/homes-nsw

Parramatta NSW 2124

Locked Bag 5022

EARTHWORK NOTES

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY
- EARTHWORKS 2. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES AND DEBRIS ETC. TO THE EXTENT OF THE PROPOSED
- DEVELOPED AREA. PROVIDE PROTECTION BARRIERS TO PROTECTED/SENSITIVE AREAS PRIOR TO ANY BULK EXCAVATION.
- 4. OVER FULL AREA OF EARTHWORKS, CLEAR VEGETATION, RUBBISH, SLABS ETC. AND STRIP TOP SOIL. AVERAGE 200mm THICK. REMOVE FROM SITE EXCEPT TOP SOIL FOR RE-USE 5 CUT AND FILL OVER THE SITE TO LEVELS REQUIRED
- PRIOR TO ANY FILLING IN AREAS OF CUT OR IN EXISTING GROUND. PROOF ROLL THE EXPOSED SURFACE WITH A ROLLER OF MINIMUM WEIGHT OF 5 TONNES WITH A MINIMUM OF 10 PASSES.
- Y. EXCAVATE AND REMOVE ANY SOFT SPOTS ENCOUNTERED DURING PROOF ROLLING AND REPLACE WITH APPROVED FILL COMPACTED IN LAYERS. THE WHOLE OF THE EXPOSED SUBGRADE AND FILL SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM
- MOISTURE CONTENT ± 2%. 8. FOR ON SITE FILLING AREAS, THE CONTRACTOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO
- COMMENCING FILL OPERATIONS. 9. WHERE HARD ROCK IS EXPOSED IN THE EXCAVATED SUB-GRADE, THIS WILL BE INSPECTED AND A DECISION MADE ON THE LEVEL TO WHICH
- **EXCAVATION IS TAKEN** 10. FILL IN 200mm MAXIMUM (LOOSE THICKNESS) LAYERS TO UNDERSIDE OF BASECOURSE USING THE EXCAVATED MATERIAL AND COMPACTED TO 98% STANDARD (AS 1289 5.1.1), MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% SHOULD THERE BE INSUFFICIENT MATERIAL FROM SITE EXCAVATIONS, IMPORT AS NECESSARY CLEAN GRANULAR FILL TO APPROVAL
- 11. COMPACTION TESTING SHALL BE CARRIED OUT AT THE RATE OF 2 TESTS PER 1000SQ METRES PER LAYER BY A REGISTERED NATA LABORATORY. THE COSTS OF TESTING AND RE-TESTING ARE TO BE ALLOWED FOR BY THE BUILDER.
- 12. BATTERS TO BE AS SHOWN, OR MAXIMUM 1 VERT : 4 HORIZ. 13. ALL CONDUITS AND MAINS SHALL BE LAID PRIOR TO LAYING FINAL PAVEMENT
- 14. ALL BATTERS AND FOOTPATHS ADJACENT TO ROADS SHALL BE TOP SOILED WITH 150mm APPROVED LOAM AND SEEDED UNLESS OTHERWISE SPECIFIED.

DRAINAGE INSTALLATION

RCP CONVENTIONAL

- **INSTALLATIONS & ROAD CROSSINGS** 1. SUPPLY & INSTALLATION OF DRAINAGE WORKS TO BE IN
- ACCORDANCE WITH THESE DRAWINGS, THE COUNCIL SPECIFICATION AND THE CURRENT APPLICABLE AUSTRALIAN STANDARDS BACKFILL SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH
- THE SPECIFICATION A GRANULAR GRAVEL AGGREGATE MATERIAL (<10mm) BACKEILL IS RECOMMENDED FOR THE BEDDING HAUNCH SUPPORT AND SIDE ZONE DUE TO IT'S SELF COMPACTING ABILITY
- A MINIMUM OF 150mm CLEARANCE IS TO BE PROVIDED BETWEEN THE OUTSIDE OF THE PIPE BARREL AND THE TRENCH WALL FOR PIPES < 600 DIA. 200mm CLEARANCE FOR PIPES 600 TO 1200 DIA AND D/6 CLEARANCE FOR PIPES > 1200 DIA.
- 4. BEDDING OF THE PIPELINES IS TO BE TYPE 'HS2' IN ACCORDANCE WITH THE STANDARDS AND AS FOLLOWS: a.COMPACTED GRANULAR MATERIAL IS TO COMPLY WITH THE

| FOLLOWING GF | RADINGS | : | | | | |
|----------------|---------|--------|--------|--------|--------|--------|
| М | 19 | 2.3600 | 0.6000 | 0.3000 | 0.1500 | 0.0750 |
| % MASS PASSING | 100 | 50-100 | 20-90 | 10-60 | 0-25 | 0-10 |

AND THE MATERIAL PASSING THE 0.075 SIEVE HAVING LOW PLASTICITY AS DESCRIBED IN APPENDIX D OF AS1726.

b.BEDDING DEPTH UNDER THE PIPE TO BE 100mm.

C.BEDDING MATERIAL TO BE EXTENDED FROM THE TOP OF THE BEDDING ZONE UP TO 0.3 TIMES PIPE OUTSIDE DIAMETER. THIS REPRESENTS THE 'HAUNCH ZONE.'

d.THE BEDDING & HAUNCH ZONE MATERIAL IS TO BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 98% WITHIN ROAD RESERVES AND TRAFFICABLE AREAS AND 95% ELSEWHERE FOR COHESIVE MATERIAL OR A MINIMUM DENSITY INDEX OF 70% IN ACCORDANCE WITH THE STANDARDS FOR COHESIONLESS MATERIAL

e.COMPACTION TESTING SHALL BE CARRIED OUT BY AN APPROVED

ORGANISATION WITH A NATA CERTIFIED LABORATORY FOR ALL DRAINAGE LINES LAID WHOLLY OR IN PART UNDER THE KERB & GUTTER OR PAVEMENT

ROOF DRAINAGE

- 1. ALL ROOF DRAINAGE IS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CURRENT APPLICABLE AUSTRALIAN STANDARDS INCLUDING AS3500.3. NCC AND COUNCIL'S SPECIFICATIONS.
- 2. DOWNPIPES SHOWN ARE INDICATIVE ONLY. REFER ARCHITECTURALS FOR FINAL LOCATIONS. 3. ALL DOWNPIPES TO BE CONSTRUCTED OF ONE MATERIAL FOR AESTHETICS REASONS AND PAINTED TO PROTECT THEM AGAINST ULTRA-VIOLET LIGHT DAMAGE. UNLESS APPROVED OTHERWISE BY THE PROJECT ARCHITECT.
- ALL DOWNPIPES TO HAVE LEAF GUARDS. 5. ALL EAVES GUTTERS ARE TO BE DESIGNED TO THE 5% AEP (20YR) STORM
- EVENTS UNO 6. ALL EAVES GUTTER OVERFLOWS ARE TO BE IN ACCORDANCE WITH AS3500.3
- 7. ALL BOX GUTTERS ARE TO BE DESIGNED TO CATER TO THE 1% AEP (100YR)
- STORM EVENTS UNO 8. IN ACCORDANCE WITH AS3500.3 CLAUSE 3.7.6.G, BOX GUTTERS SHALL: a. BE STRAIGHT (WITHOUT CHANGE IN DIRECTION) b. HAVE A HORIZONTAL CONSTANT WIDTH BASE (SOLE) WITH VERTICAL
- SIDES IN A CROSS-SECTION c. HAVE A CONSTANT LONGITUDINAL SLOPE BETWEEN 1:200 AND 1:40. d. DISCHARGE AT THE DOWNSTREAM END WITHOUT CHANGE OF DIRECTION (I.E. NOT TO THE SIDE); AND BE SEALED TO THE RAINHEADS AND SUMPS
- GREENVIEW RECOMMENDS THAT THE BUILDER VERIFIES THAT ANY AND ALL BOX GUTTERS HAVE BEEN DESIGNED BY A QUALIFIED CIVIL ENGINEER PRIOR TO THE COMMENCEMENT OF WORKS. 10. GREENVIEW RECOMMENDS A SPECIFIC INSPECTION AND CERTIFICATION BY A
- QUALIFIED CIVIL ENGINEER OF ANY AND ALL BOX GUTTERS INSTALLED ON THE PROJECT PRIOR TO OCCUPATION CERTIFICATE 11. ALL DOWNPIPES ARE TO BE PIPE CONNECTED INTO THE FORMAL RAINWATER OR STORMWATER LINE UNLESS SPECIFICALLY NOTED ON THE DRAWINGS OTHERWISE

STORMWATER DRAINAGE NOTES

- 1. STORMWATER DRAINAGE SHALL BE GENERALLY IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS INCLUDING AS3500.3, NCC AND
- COUNCIL'S SPECIFICATION MINIMUM PIT DIMENSIONS ARE TO BE IN ACCORDANCE WITH AS3500.3 TABLE 7.5.2.1 WHICH PROVIDES GUIDANCE ACCORDING TO PIT DEPTH U.N.O.

TABLE 7.5.2.1 MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS

| Depth to invert | Minimum internal dimensions mm | | | | | | |
|---------------------------------|-----------------------------------|-------------------|--------------------|--|--|--|--|
| of outlet | Recta | Circular | | | | | |
| | Width | Length | Diameter | | | | |
| ≤450 | 350 | 350 | _ | | | | |
| ≤600 >600 ≤900 >900 ≤1200 | 450 600 600 | 450 600 900 | 600 900 1000 | | | | |
| >1200 | 900 | 900 | 1000 | | | | |

- 3. PIPES OF 225mm DIA. AND UNDER SHALL BE UPVC PIPES OF 300mm DIA. AND LARGER SHALL BE FRC OR CONCRETE CLASS 2
- RUBBER RING JOINTED UNO. 5. ALL FRC OR RCP STORMWATER PIPES WITHIN ROAD RESERVE AREAS TO BE CLASS 3 U.N.O. BY COUNCILS SPECIFICATION.
- 6. PIPES SHALL GENERALLY BE LAID AT THE GRADES INDICATED ON THE DRAWINGS MINIMUM COVER TO PIPES 300mm DIA. AND OVER GENERALLY SHALL BE
- 600mm IN CARPARK & ROADWAY AREAS UNO. ALL PIPES LOCATED IN LANDSCAPE AREAS TO HAVE 300mm COVER. WHERE NOT POSSIBLE AND COVER IS BETWEEN 150mm AND 300mm USE SEWER
- GRADE PIPE.
- . PIPES 225mm DIA AND OVER SHALL BE LAID AT 0.5% MIN. GRADE U.N.O. 10. PIPES UP TO 150mm DIA SHALL BE LAID AT 1.0% MIN. GRADE U.N.O 11. BACKFILL TRENCHES WITH APPROVED FILL COMPACTED IN 200mm LAYERS TO 98% OF STANDARD DENSITY
- 12. ANY PIPES OVER 16% GRADE SHALL HAVE CONCRETE BULKHEADS AT ALL JOINTS
- 13. THE MINIMUM SIZES OF THE STORMWATER DRAINAGE PIPES SHALL NOT BE LESS THAN 90mm DIA FOR CLASS 1 BUILDINGS AND 100mm DIA FOR OTHER CLASSES OF BUILDING OR AS REQUIRED BY THE REGULATORY AUTHORITY. 14. BUILD INTO UPSTREAM FACE OF ALL PITS A 3.0m SUBSOIL LINE FALLING TO
- PITS TO MATCH PIT INVERTS
- 15. ALL LANDSCAPED PITS TO BE MIN 450 SQUARE U.N.O OR LARGER AS REQUIRED BY AS3500.3 TABLE 7.5.2.1
- 16. GREENVIEW RECOMMENDS ALL COURTYARDS TO HAVE 450 SQUARE PLASTIC PIT INSTALLED WITH A 150mm DIA. CONNECTION TO FORMAL DRAINAGE SYSTEM U.N.O.
- 17. ALL DRIVEWAY PITS TO BE MIN 600 SQUARE U.N.O OR LARGER AS REQUIRED BY AS3500 3 TABLE 7 5 2 1 18. ALL PLANTER BOXES AND BALCONIES TO BE CONNECTED TO THE PROPOSED
- STORMWATER DRAINAGE LINE
- 19. ALL STORMWATER DRAINAGE WORK TO AVOID TREE ROOTS. WHERE NOT POSSIBLE, ALL EXCAVATIONS IN VICINITY OF TREE ROOTS ARE TO BE HAND
- 20. GEOTEXTILE FABRIC TO BE PLACED UNDER RIP RAP SCOUR PROTECTION WHERE APPLICABLE THE OUTLET PIPE AND PROVIDE GALVANISED ANGLE SURROUNDINGS TO GRATE
- 21. ALL BASES OF PITS TO BE BENCHED (TO HALF PIPE DEPTH) TO THE INVERT OF 22. ANY VARIATION TO THAT WORKS AS SHOWN ON THE APPROVED DRAWINGS
- ARE TO BE CONFIRMED BY THE ENGINEER PRIOR TO THE COMMENCEMENT. 23. ALL BALCONIES AND ROOFS TO BE DRAINED AND TO HAVE SAFETY OVERFLOWS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS. 24. GREENVIEW RECOMMENDS ALL ACCESSIBLE GRATES TO BE FITTED WITH CHILDPROOF LOCKS.
- 25. ALL WORK WITHIN COUNCIL RESERVE AREAS TO BE INSPECTED BY COUNCIL
- PRIOR TO BACKFILLING. 26. COUNCIL'S ISSUED FOOTWAY DESIGN LEVELS TO BE INCORPORATED INTO THE FINISHED LEVELS ONCE ISSUED BY COUNCIL. 27. WATER PROOF ALL CONCRETE BALCONIES & ROOFS TO ARCHITECTS DETAILS
- 28. ALL BALCONIES TO HAVE FLOOR WASTE AND 1% FALL WITH SAFETY OVERFLOW
- 29. ALL SUBSOIL DRAINAGE SHALL BE A MINIMUM OF Ø65mm AND SHALL BE PROVIDED WITH A FILTER SOCK. THE SUBSOIL DRAINAGE SHALL BE

A - EXTRA LIGHT DUTY FOOTWAYS AND AREAS PEDESTRIANS AND PED

LANDSCAPE CONSULTANT.

GALVANISED).

GRATE TYPE

B - LIGHT DUTY

LOCATION

LANDSCAPE

CONCRETE

19.03.24 JPS PART 5 ISSUE

JPS PRELIMINARY ISSU

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JPS STAGE C ISSUE

JPS STAGE C ISSUE

ROADS

15 03 24

24 10 23

greenview

COVER TABLE

LANDSCAPE (SINGLE DWELLING)

UNDER TRAFFICABLE AREA

- INSTALLED IN ACCORDANCE WITH DETAILS TO BE PROVIDED BY THE
- 30. SUBSOIL DRAINAGE PIPES AND FITTINGS SHALL BE PERFORATED PLASTIC TO CURRENT AUSTRALIAN STANDARDS LAY PIPES ON FLOOR OF TRENCH GRADED AT 1% MIN, AND OVERLAY WITH FILTER MATERIAL EXTENDING TO WITHIN 200mm OF SURFACE, PROVIDE FILTER FABRIC OF PERMEABLE
- POLYPROPYLENE BETWEEN FILTER MATERIAL AND TOPSOIL PROVIDE ELUSHING EYE'S AT HIGH POINTS OR TO COUNCILS REQUIREMENTS 31. ALL GRATES IN AREAS OF FREQUENT PEDESTRIAN TRAFFIC (IE FOOTPATHS, WALKWAYS, ETC.) TO BE HEELPROOF GRATE.
- 32. REFER ARCHITECTS DETAIL FOR GRATE FINISH (IE STAINLESS STEEL OR 33. GRATES TO BE IN ACCORDANCE WITH TABLE BELOW:

PIT GRATE INLINE TYPE

| | TRAFFIC CONDITIONS |
|---|--|
| Y | FOOTWAYS AND AREAS ACCESSIBLE ONLY TO PEDESTRIANS AND PEDAL CYCLISTS. |
| | FOOTWAYS THAT CAN BE MOUNTED BY VEHICLES. |
| | MALLS AND PEDESTRIAN AREAS OPEN TO SLOW MOVING COMMERCIAL VEHICLES. |
| | CARRIGEWAYS OF ROADS AND AREAS OPEN TO |

| С | C - MEDIUM DUTY | MALLS AND PEDESTRIAN AREAS OPEN TO SLOW MOVING COMMERCIAL VEHICLES. | | | | |
|---|---|--|--|--|--|--|
| D |) - HEAVY DUTY | CARRIGEWAYS OF ROADS AND AREAS OPEN TO COMMERCIAL VEHICHLES. | | | | |
| | TABLE AS PER AS3996 - 2006. ENGINEER TO BE NOTIFIED IF LOAD CONDITIONS LISTED ABOVE ARE EXCEEDED. | | | | | |
| 32. COVER TO PIPE TO BE AS PER TABLE BELOW: | | | | | | |

PIPE T

| PE TYPE | COVER |
|---------|---------------------------------------|
| PVC | 300 |
| PVC | 100 |
| PVC | 100 BELOW UNDERSIDE OF PAVEMENT |
| STEEL | NIL BELOW UNDERSIDE OF PAVEMENT |
| RCP | 500 BELOW UNDERSIDE OF PAVEMENT |

STORMWATER DRAINAGE NOTES CONTINUED 33. GREENVIEW'S STORMWATER SYSTEM HAS BEEN DESIGNED TO CAPTURE

- SURFACE RUNOFF FROM THE SITE ITSELF BUT DOES NOT INCORPORATE SPECIFIC GROUNDWATER CAPTURE MECHANISMS. IN SOME CASES, GROUNDWATER INUNDATION MAY BE A SIGNIFICANT SOURCE OF WATER DURING A STORM EVENT. GREENVIEW RECOMMENDS THAT ALL RETAINING WALLS CLOSE TO HABITABLE AREAS BE FITTED WITH AN IMPERMEABLE MEMBRANE AND SUBSOIL DRAINAGE TO PREVENT GROUNDWATER INGRESS
- 34. GREENVIEW RECOMMENDS ALL IN-GROUND STORMWATER PIPE RUNS ARE SET OUT BY THE BUILDER PRIOR TO COMMENCEMENT OF WORKS. WHERE 300MM COVER IS NOT ACHIEVED. NOTIEY ENGINEER. 35 WHERE STORMWATER DRAINAGE WORKS ARE TO BE UNDERTAKEN PRIOR TO THE CONSTRUCTION OF THE BUILDING, THE BUILDER IS TO SET OUT THE FLOOR LEVELS AND ENSURE PROPOSED STORMWATER DRAINAGE LEVELS AND BUILDING LEVELS ARE COMPATIBLE. NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES.

ON-SITE DETENTION

- 1. ON-SITE DETENTION (OSD) TANKS ARE TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CURRENT APPLICABLE AUSTRALIAN STANDARDS
- INCLUDING AS3500.3. NCC AND COUNCILS' SPECIFICATIONS. 2. IT IS CRITICAL THAT THE MINIMUM OSD VOLUME AS CALCULATED BY THE DESIGN AND NOTED ON THESE PLANS IS ACHIEVED ON SITE. VOLUMES TO BE VERIFIED BE REGISTERED SURVEYOR AND NOTED IN THE WAE SURVEY PRIOR TO CERTIFICATION
- 3. OSD VOLUME MAY BE ACHIEVED IN BELOW GROUND TANK, OR ABOVE GROUND PONDING, OR RAINWATER TANK OFFSET, OR INFILTRATION/ABSORPTION SYSTEM. EACH COUNCIL HAS SPECIFIC GUIDELINES FOR HOW STORMWATER FLOWS ARE TO BE CONTROLLED AND
- DISCHARGED 4. PONDING AND OVERFLOW LEVELS FROM THE OSD SHALL BE NOT LESS THAN 300mm BELOW ADJACENT HABITABLE FLOOR LEVELS OF BUILDINGS AND NOT LESS THAN 150mm BELOW NON-HABITABLE FLOOR LEVELS (AS3500.1 CLAUSE 7.10.1

BELOW GROUND OSD TANKS

- 1. THE HYDRAULIC CONTROL FOR THE STORAGE (USUALLY ORIFICE PLATE) SHALL BE FIRMLY FIXED IN PLACE TO PREVENT REMOVAL OR TAMPERING. A PLATE OF 3mm TO 5mm THICK STAINLESS STEEL WITH A CIRCULAR HOLE SHALL BE USED, PROVIDED: a. IT IS MACHINED TO 0.5mm ACCURACY
- b. IT RETAINS A SHARP EDGE; AND c. THE ORIFICE DIAMETER IS NOT LESS THAN 25mm (AS 3500.3 CLAUSE 7.10.2 INSPECTION / ACCESS OPENINGS SHALL BE PROVIDED ABOVE THE LOCATION OF THE OUTLET WITH DIMENSIONS AT LEAST 600mm x 600mm OR 600mm DIAMETER FOR STORAGES UP TO 800mm DEEP AND 600mm x 900mm FOR DEEPER STORAGES THERE SHALL BE NO IMPEDIMENTS TO THE REMOVAL OF DEBRIS THROUGH THIS OPENING, INSPECTION SHALL BE POSSIBLE WITHOUT RESIDENTS OR OWNERS HAVING TO REMOVE HEAVY ACCESS COVERS
- (AS3500.3 CLAUSE 7.10.2.b.ii) WHERE STORAGES ARE NOT DEEP ENOUGH TO WORK IN (<1.5m DEEP). ACCESS SHALL BE PROVIDED AT INTERVALS OF APPROXIMATELY 10m TC ALLOW THE SYSTEM TO BE FLUSHED TO THE STORAGE OUTLET> ACCESS SHALL BE PROVIDED AT THE OUTLET (AS3500.3 CLAUSE 7.10.2.b.iii) 4. A SUMP SHALL BE PROVIDED AT THE OUTLET POINT, SET BELOW THE LEVEL OF THE MAIN STORAGE TO COLLECT DEBRIS. WHERE A DISCHARGE CONTROL PIT IS INCLUDED IN THE STORAGE< THIS SHALL CONTAIN A SUMP SET A MINIMUM OF 1.5 TIMES THE DIAMETER OF THE ORIFICE OF THE OUTLET
- BELOW THE CENTRE OF THE ORIFICE. SUMPS SHALL BE PROVIDED WITH WEEP HOLES TO DRAIN OUT TO THE SURROUNDING SOIL, AND SHALL BE FOUNDED ON A COMPACTED GRANULAR BASE WHERE THE DEPTH OF THE TANK EXCEEDS 1.2m, A LADDER IN ACCORDANCE WITH AS3500.3 CLAUSE 7.5.5.4 SHALL BE INSTALLED BELOW GROUND OSD SYSTEMS SHALL CONFORM WITH AS2865 7. IN ACCORDANCE WITH AS3500.3 CLAUSE 7.10.2.D SCREENS (TRASH RACKS)
- WITH THE FOLLOWING CHARACTERISTICS SHOULD BE PROVIDED TO COVER EACH ORIFICE OUTLET: a. FOR ORIFICES UP TO 150mm DIA., A FINE APERTURE-EXPANDED METAL MESH SCREEN WITH A MINIMUM AREA OF 50 TIMES THE AREA OF THE ORIFICE, FOR LARGER DIA, ORIFICES, A COARSER GRID MESH WITH A
- MINIMUM AREA OF 20 TIMES THE ORIFICE AREA MAY BE USED AS AN ALTERNATIVE b. STEEL SCREENS SHOULD BE STAINLESS STEEL OR HOT-DIP GALVANIZED . WHERE APERTURE-EXPANDED MESH SCREENS ARE EMPLOYED, THEY SHOULD BE POSITIONED SO THAT THE OVAL-SHAPED HOLES ARE HORIZONTAL. WITH THE PROTRUDING LIP ANGLED UPWARDS AND FACING DOWNSTREAM. A HANDLE MAY BE FITTED TO ENSURE CORRECT ORIENTATION AND EASY REMOVAL FOR MAINTENANCE
- d SCREENS SHOULD BE PLACED NO FLATTER THAN 45 DEGREES TO THE HORIZONTAL IN SHALLOW STORAGES UP TO 600mm DEEP. IN DEEPER OR MORE REMOTE LOCATIONS. THE MINIMUM ANGLE SHOULD BE 60 DEGREES TO THE HORIZONTAL.
- 8. IF THE BELOW GROUND OSD STORAGE IS SEALED, A VENT SHOULD BE PROVIDED TO EXPEL ANY NOXIOUS GASES (AS3500.3 CLAUSE 7.10.2.D.B). 9. THE STORAGE SHOULD BE DESIGNED TO FILL WITHOUT CAUSING
- OVERFLOWS IN UPSTREAM CONDUITS DUE TO BACKWATER EFFECTS (AS3500.3 CLAUSE 7.10.2.D.C). 10. BELOW GROUND STORAGES SHALL BE CONSTRUCTED OF CONCRETE.
- MASONRY, ALUMINIUM/ZINC AND ALUMINIUM/ZINC/MAGNESIUM ALLOY-COATED STEEL, ZINC-COATED STEEL, GALVANISED IRON OR PLASTICS (AS3500.3 7.10.3)

MAINTENANCE SCHEDULE: ON SITE DETENTION (OSD)

ALL OSD MAINTENANCE TASKS SHOULD BE UNDERTAKEN AFTER A SIGNIFICANT STORM EVENT

6 MONTHLY

| ELEMENT | TASK | DESCRIPTION / ACTION |
|---------------|-------------------------|--|
| ORIFICE PLATE | INSPECT FOR BLOCKAGE | CHECK PLATE FOR BLOCKAGE AND CLEAN |
| TRASH SCREEN | CHECK / CLEAN | CHECK AND CLEAN TRASH SCREEN |
| PIT SUMP | CHECK FOR SEDIMENT | CHECK FOR SEDIMENT / LITTER / SLUDGE AND CLEAN-OUT |
| GRATED LIDS | CHECK FOR DAMAGE | CHECK FOR CORROSION OR OTHER DAMAGE AND REPAIR / REPLACE AS NEEDED |
| | CLEAR BLOCKAGES | CHECK AND CLEAR BLOCKAGES |
| STORAGE LIDS | CHECK | REMOVE DEBRIS / MULCH / LITTER / SEDIMENT |
| OUTLET PIPES | CHECK FOR BLOCKAGES | CHECK / CLEAN / FLUSH OUTLET PIPES, REMOVE ANY BLOCKAGES |
| STEP IRONS | CHECK FIXING | ENSURE STEP-IRON FIXINGS ARE SECURE AND REPAIR AS NEEDED |

ANNUALLY

| ANNOALLI | | |
|----------------|-------------------------|--|
| ELEMENT | TASK | DESCRIPTION / ACTION |
| ORIFICE PLATE | CHECK ATTACHMENT | ENSURE PLATE IS MOUNTED SECURELY, TIGHTEN AND SEAL GAPS AS REQUIRED |
| TRASH SCREEN | CHECK ATTACHMENT | ENSURE PLATE IS MOUNTED SECURELY, TIGHTEN AND SEAL GAPS AS REQUIRED |
| | CHECK CORROSION | CHECK TRASH SCREEN FOR CORROSION, ESPECIALLY AT CORNERS NEAR WELDS AND REPAIR / REPLACE AS NEEDED |
| STEP IRONS | CHECK FOR CORROSION | EXAMINE STEP IRONS AND REPAIR ANY DAMAGE |
| INTERNAL WALLS | CHECK | CHECK FOR CRACKS / SPALLING AND REPAIR AS NEEDED |
| OSD SURROUNDS | CHECK FOR SUBSIDENCE | CHECK FOR SUBSIDENCE (WHICH MAY INDICATE LEAKS) AND REPAIR AS NEEDED |

5-YEARLY

| ELEMENT TASK DESCRIPTION / ACTION | | | |
|--|------|------|---|
| | ИENT | TASK | DESCRIPTION / ACTION |
| ORIFICE PLATE CHECK ORIFICE SIZE AGAINST ORIFICE PLATE WAE AND CHECK FOR PITTING SCARRING, REPLACE IF NECESSARY | | | WAE AND CHECK FOR PITTING / SCARRING, REPLACE IF |

COLOUR LEGEND

| NEW (REFER TO SCHEDULES FOR COLOUR DEFINITION) |
|---|
| EXISTING |

REMOVED OR RELOCATED

| | GREENVIEW CIVIL SHEET LIST | |
|-----|---------------------------------|------|
| No. | SHEET NAME | REV. |
| C01 | NOTES & LEGENDS | 9 |
| C02 | GROUND FLOOR DRAINAGE PLAN | 10 |
| C03 | LEVEL 1 DRAINAGE PLAN | 2 |
| C04 | SITE STORMWATER DETAILS SHEET 1 | 9 |
| C05 | SITE STORMWATER DETAILS SHEET 2 | 7 |
| | | |





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| 2. | - 2 THE S |
| 3. | ALUMI SIGN S |
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| RWO RWT |
| κ |
| OW WL |
| PVC |

VD



PROPOSED **DEVELOPMEN**

RECOMMENDED SAFETY SIGNS

CONFINED SPACE NO ENTRY WITHOUT ONFINED SPACE TRAININ

CONFINED SPACE DANGER SIGN

IFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A TION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE RSONS PROPOSING TO ENTER THE BELOW GROUND TANKS INED SPACE.

/INIMUM DIMENSIONS OF THE SIGN 00mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) 250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES) SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED

INUM OR POLYPROPYLENE N SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF THE

EXISTING SERVICES

HEN EXCAVATING WITHIN ANY SITE OOTPATH AND ROADWAY, ALL SERVICE SHALL BE LOCATED PRIOR TO

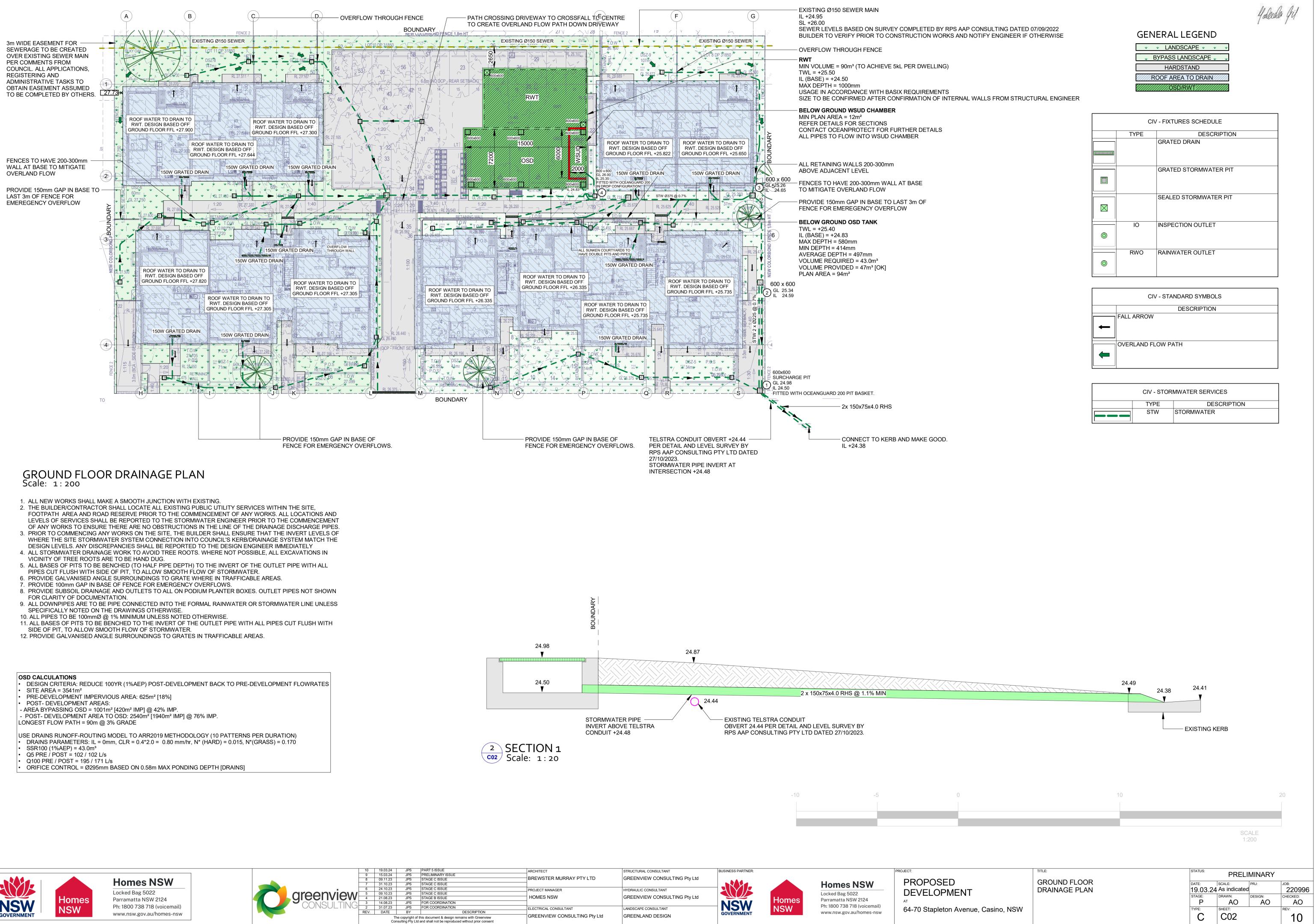
COMMENCEMENT OF THE EXCAVATION ORKS. CONTACT "DIAL BEFORE YOU D 0 OR GOT THE WEB SITE "www.1100.c

ABBREVIATIONS

DOWN PIPE PROPOSED FINISHED FLOOR LEVEL PROPOSED PIT SURFACE LEVEL PROPOSED PIT INVERT LEVEL INSPECTION OPENING **KERB & GUTTER** FINISHED PAVEMENT LEVE REINFORCED CONCRETE PIPE **ROLL KERB & GUTTER** FINISHED SURFACE LEVEL RAINWATER DRAINAGE OUTLET PROPOSED RAINWATER TANK TOP OF NEW KERB | EVEL TOP OF NEW RETAINING WALL LEVEL TOP OF WATER LEVEL

RIGID PVC PIPE VERTICAL DROPPER

| | TITLE: | STATUS: | PREL | IMINARY | |
|----------|-----------------|-----------------------------|---------------------|---------|----------------------------|
| | NOTES & LEGENDS | DATE: 19.03.24 STAGE: | DRAWN: | PRJ: | JOB: 220996 CHECKED: |
| ino, NSW | | туре: С | AO SHEET: C01 | AO | AO REV: 9 |











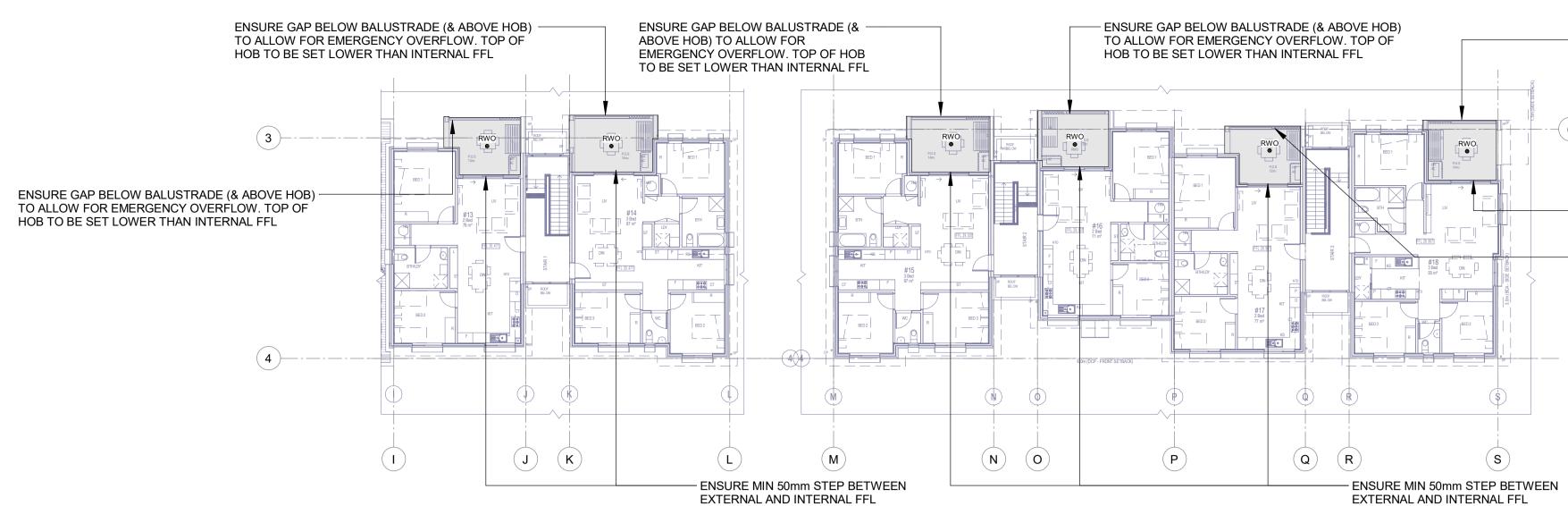
| | ARCHITECT | STRUCTURAL CONSULTANT | BUSINESS PARTNER: | | PROJECT: |
|------|---|--|-------------------|--|------------------------------|
| | BREWSTER MURRAY PTY LTD | GREENVIEW CONSULTING Pty Ltd | | Homes NSW | PROPOSED |
| | PROJECT MANAGER HOMES NSW | HYDRAULIC CONSULTANT GREENVIEW CONSULTING Pty Ltd | Hon NSW | Locked Bag 5022 Parramatta NSW 2124 | DEVELOPMENT |
| TION | ELECTRICAL CONSULTANT GREENVIEW CONSULTING Pty Ltd | LANDSCAPE CONSULTANT GREENLAND DESIGN | GOVERNMENT NSV | www.nsw.gov.au/homes-nsw | 64-70 Stapleton Avenue, Casi |



| | CIV - FIXTURES SCHEDULE | | | | |
|---|-------------------------|-----------------------|--|--|--|
| | TYPE | DESCRIPTION | | | |
| | | GRATED DRAIN | | | |
| | | | | | |
| | | GRATED STORMWATER PIT | | | |
| | | | | | |
| | | SEALED STORMWATER PIT | | | |
| | | | | | |
| | IO | INSPECTION OUTLET | | | |
| 0 | | | | | |
| | RWO | RAINWATER OUTLET | | | |
| 0 | | | | | |

| | CIV - STANDARD SYMBOLS | | |
|----------|------------------------|--|--|
| | DESCRIPTION | | |
| | FALL ARROW | | |
| - | | | |
| | OVERLAND FLOW PATH | | |
| — | | | |

| CIV - STORMWATER SERVICES | | | | |
|---------------------------|------|-------------|--|--|
| | TYPE | DESCRIPTION | | |
| | STW | STORMWATER | | |



LEVEL 1 DRAINAGE PLAN Scale: 1:200

BALCONY DRAINAGE CALCULATIONS

EXPOSED HARDSTAND AREAS ARE TO DRAIN IN ACCORDANCE WITH AS3500.3 (2021) DESIGN BASED ON 2016 IFD DATA FOR CASINO

1%AEP 5min STORM INTENSITY = 278 mm/hr

C100 (100% IMPERVIOUS) = 1.08 UNIT FLOWRATE = I X C100 x (0.0001 / 0.36) = 0.0834 L/s/m²

GRATES NOTED ON PLAN DESIGNED ACCORDING TO ROOF CATCHMENT AREA AND HEAD OVER OUTLET.

GRATE NOTES:

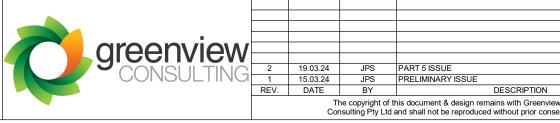
SPS FLOW RATES CERTIFIED BY ASSOCIATION OF HYDRAULIC SERVICES CONSULTANTS AUSTRALIA DATED 16th NOVEMBER 2016. MAXIMUM FLOW BEFORE ENTERING TRANSITION FLOW REGION IS NOTED BELOW WITH 50% BLOCKAGE FACTOR APPLIED FOR EXPOSED ROOFS TO ACCOUNT FOR LEAVES / DEBRIS: TIA80/90F2: SPS TRUFLO 260mm GRATE WITH Ø80mm or Ø100mm OUTLET CAST INTO SLAB Q = 3.0 L/s (15mm HEAD / PONDING).

ROOF CATCHMENT AREA MEASUREMENTS ARE BASED OFF SCALED ARCHITECTURAL DRAWINGS, NOTIFY ENGINEER IF DISCREPENCIES ARE NOTED.

Q(50% BLOCKED) = 1.5 L/s







ENSURE GAP BELOW BALUSTRADE (& ABOVE HOB)
 TO ALLOW FOR EMERGENCY OVERFLOW. TOP OF
 HOB TO BE SET LOWER THAN INTERNAL FFL

6

- ENSURE MIN 50mm STEP BETWEEN EXTERNAL AND INTERNAL FFL

ENSURE GAP BELOW BALUSTRADE (& ABOVE HOB)
 TO ALLOW FOR EMERGENCY OVERFLOW. TOP OF
 HOB TO BE SET LOWER THAN INTERNAL FFL

| -1 | 0 -4 | 5 (| 0 |
|----|------|-----|---|
| | | | |
| | | | |
| | | | |

| | ARCHITECT | STRUCTURAL CONSULTANT | BUSINESS PARTNER: | | PROJECT: |
|----------------------|---|--|-------------------|--|-------------------------------|
| | BREWSTER MURRAY PTY LTD | GREENVIEW CONSULTING Pty Ltd | | Homes NSW | PROPOSED |
| | PROJECT MANAGER HOMES NSW | HYDRAULIC CONSULTANT GREENVIEW CONSULTING Pty Ltd | Homes | Locked Bag 5022 Parramatta NSW 2124 | |
| N nview onsent | ELECTRICAL CONSULTANT GREENVIEW CONSULTING Pty Ltd | LANDSCAPE CONSULTANT GREENLAND DESIGN | GOVERNMENT | Ph: 1800 738 718 (voicemail) www.nsw.gov.au/homes-nsw | 64-70 Stapleton Avenue, Casin |



GENERAL LEGEND

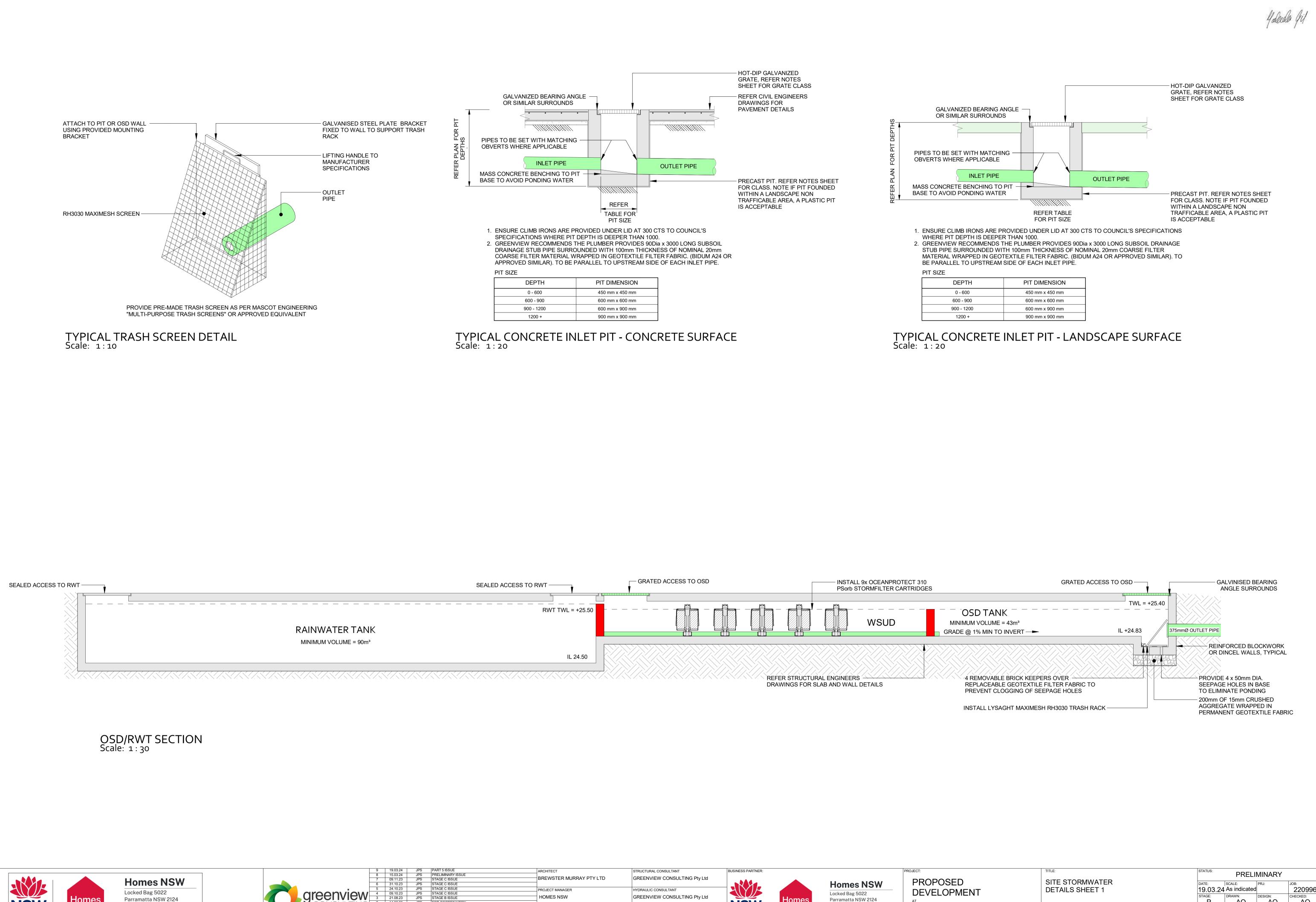
| | CIV - FIXTURES SCHEDULE | | | | |
|---|-------------------------|-----------------------|--|--|--|
| | TYPE | DESCRIPTION | | | |
| | | GRATED DRAIN | | | |
| | | GRATED STORMWATER PIT | | | |
| | | SEALED STORMWATER PIT | | | |
| 0 | IO | INSPECTION OUTLET | | | |
| 0 | RWO | RAINWATER OUTLET | | | |

| | CIV - STANDARD SYMBOLS | | |
|---|------------------------|--|--|
| | DESCRIPTION | | |
| | FALL ARROW | | |
| - | | | |
| | OVERLAND FLOW PATH | | |
| - | | | |

| CIV - STORMWATER SERVICES | | | | |
|---------------------------|------|-------------|--|--|
| | TYPE | DESCRIPTION | | |
| | STW | STORMWATER | | |

| | | | | | ALE 200 | | |
|-----------|-----------------------|--|---------------------|--------------------------------------|---------------|---------------------------|--|
| | TITLE: | | STATUS: PRELIMINARY | | | | |
| | LEVEL 1 DRAINAGE PLAN | | date: 19.03.24 | SCALE: PRJ: 4 As indicated | | ^{JOB:} 220996 | |
| | | | STAGE: P | drawn: AO | DESIGN: AO | CHECKED: | |
| sino, NSW | | | түре: | SHEET: CO3 | | REV: 2 | |

10



| 3.24 | JPS | PART 5 ISSUE | ARCHITECT | STRUCTURAL CONSULTANT | BUSINESS PARTNER: | | | PROJECT: |
|--|---------------|---|------------------------------|------------------------------|-------------------|-------|------------------------------|---------------------------------|
| 3.24 | JPS | PRELIMINARY ISSUE | | | | | | |
| 1.23 | JPS | STAGE C ISSUE | BREWSTER MURRAY PTY LTD | GREENVIEW CONSULTING Pty Ltd | | | | PROPOSED |
| 0.23 | JPS | STAGE C ISSUE | | | | | Homes NSW | FRUFUSED |
| 0.23 | JPS | STAGE C ISSUE | PROJECT MANAGER | HYDRAULIC CONSULTANT | | | | |
| 0.23 | JPS | STAGE C ISSUE | | | | | Locked Bag 5022 | DEVELOPMENT |
| 8.23 | JPS | STAGE B ISSUE | HOMES NSW | GREENVIEW CONSULTING Pty Ltd | | Homes | Parramatta NSW 2124 | |
| 8.23 | JPS | FOR COORDINATION | | | | | | AI |
| 7.23 | JPS | FOR COORDINATION | ELECTRICAL CONSULTANT | LANDSCAPE CONSULTANT | - NSW | NSW | Ph: 1800 738 718 (voicemail) | 64-70 Stapleton Avenue, Casino, |
| TE | BY | DESCRIPTION | | | GOVERNMENT | | www.nsw.gov.au/homes-nsw | 04-70 Stapleton Avenue, Casino, |
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Parramatta NSW 2124

Ph: 1800 738 718 (voicemail)

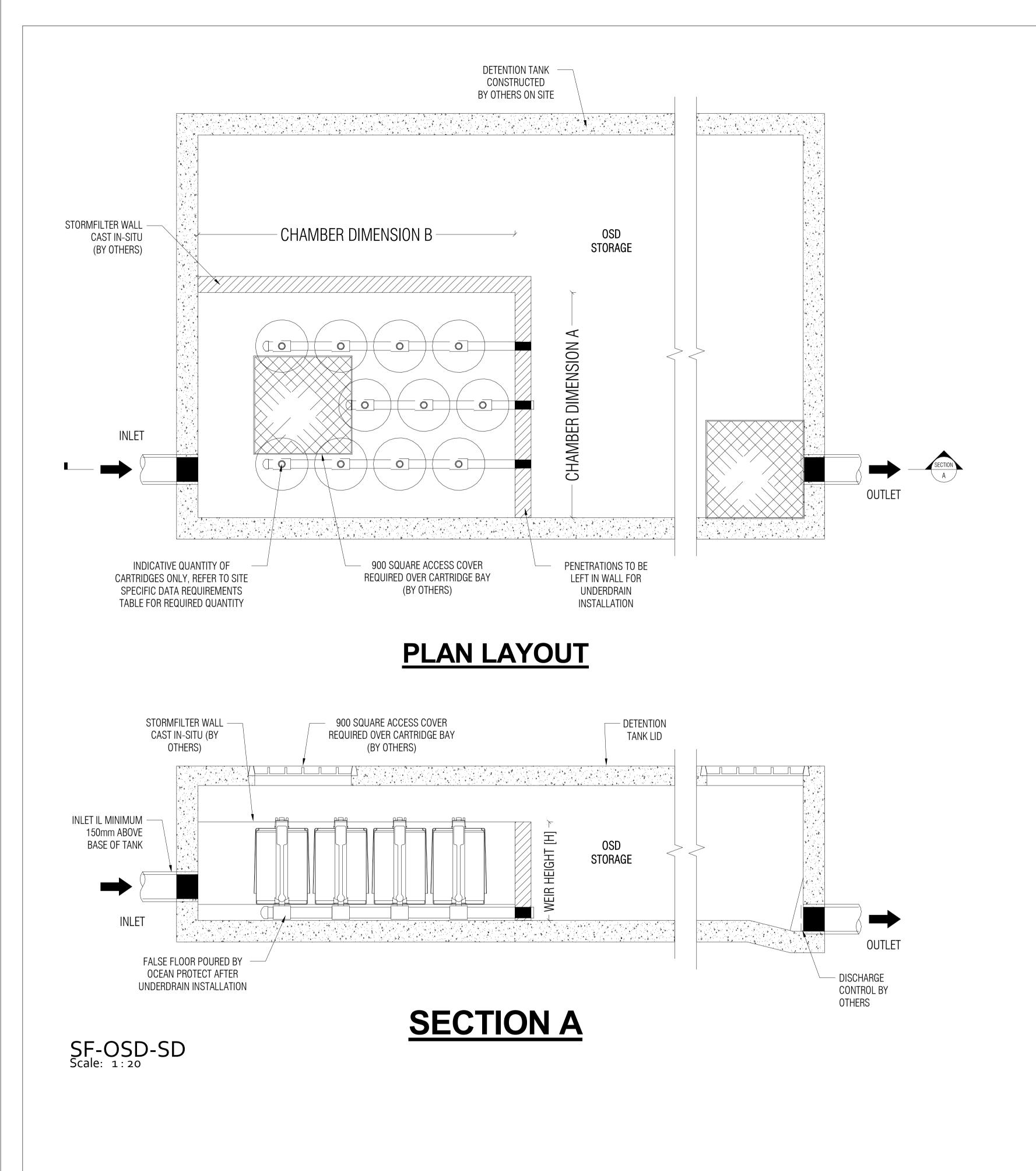
www.nsw.gov.au/homes-nsw

lomes

NSW

NSW GOVERNMENT

| | SITE STORMWATER DETAILS SHEET 1 | | PRELIMINARY | | | | |
|---------|------------------------------------|------------------|--------------------------|---------|---------------------------|--|--|
| | _ | DATE: 19.03.1 | SCALE: 24 As indicate | d PRJ: | ^{ЈОВ:} 220996 | | |
| | | STAGE: | DRAWN: AO | DESIGN: | CHECKED: | | |
| no, NSW | | TYPE: C | SHEET: C04 | | REV: | | |



 7
 19.03.24
 JPS
 PART 5 ISSUE

 6
 15.03.24
 JPS
 PRELIMINARY ISSUE

 5
 09.11.23
 JPS
 STAGE C ISSUE

 4
 24.10.23
 JPS
 STAGE C ISSUE

 3
 09.10.23
 JPS
 STAGE C ISSUE

 2
 21.08.23
 JPS
 STAGE D ISSUE

 1
 14.08.23
 JPS
 FOR COORDINATION

 REV.
 DATE
 BY
 EV

greenview



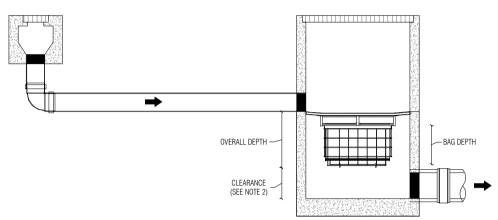
Homes

NSW



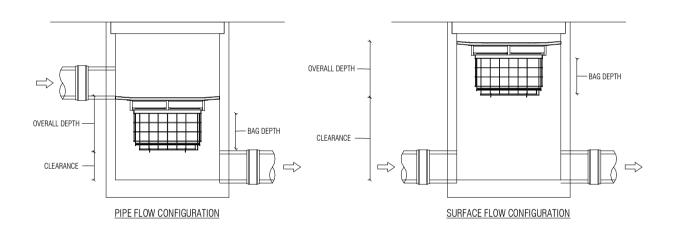
OVERALL DEPTH -CLEARANCE (SEE NOTE 2) GRATED STRIP DRAIN INTERNAL OCEANGUARD CONFIGURATION →

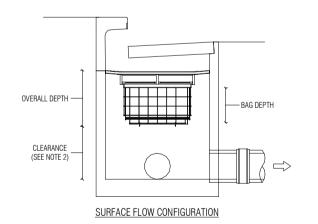
GRATED STRIP DRAIN EXTERNAL OCEANGUARD PIT CONFIGURATION



GRATED STRIP DRAIN EXTERNAL OCEANGUARD PIT CONFIGURATION

OG-SD STRIP DRAINS Scale: 1:20

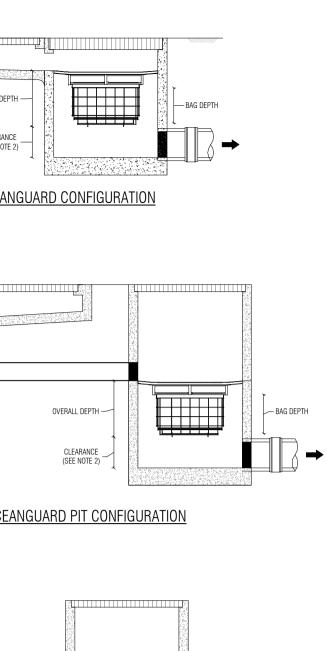




OG-SD Scale: 1:20



Ydeede Gil



| | TITLE: | STATUS: | PRELIMINARY | | | |
|-----------|--------|----------|--------------------------------|-----------------------|----------------------------------|--|
| | | 19.03.24 | SCALE: 1:20 DRAWN: AO | PRJ: DESIGN: AO | JOB: 220996 CHECKED: AO | |
| sino, NSW | | С | sheet: C05 | | REV: 7 | |