

ACTIVITY DETERMINATION

Project No. BGWVA

Conflict of Interest ¹							
In this matter:							
 I have declared any possible conflict of interests (real, potential or perceived) to the A/Head of Housing Portfolio, Homes NSW. I do not consider I have any personal interests that would affect my professional judgement. I will inform A/Head of Housing Portfolio, Homes NSW as soon as I become aware of a possible conflict of interest. 							
Signed Dated 03.06.24							
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	
1-7	Fergerson Avenue	
Suburb, town or locality		Postcode
Fairfield		2165
Local Government Area(s)	Real property description (Lot ar	nd DP)
Fairfield	Lot 14, 15, 17 & 17 DP 35636	

^{1.} 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.

ACTIVITY DESCRIPTION

Provide a description of the activity:

- Removal of identified trees and vegetation.
- Construction of 12 seniors housing units comprising 6 x 1 bedroom and 6 x 2 bedroom units.
- Associated landscaping and servicing works.
- Surface parking for 6 cars including 2 carports.
- Consolidation of 4 lots into 1 single lot.

Signed......

Dated.....

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

SCHEDULE 1

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 as modified below and by any of the undermentioned identified requirements:

Title / Name:	Drawing No. /			Prepared by:	
	Document Ref	Issue:	[dd/mm/yyyy]:		
Architectural – Appendix A					
Cover Page	DA-000	Rev A	1/11/2023	Kennedy Associated Architects	
Block Analysis Plan	DA-001	Rev A	1/11/2023	Kennedy Associated Architects	
Site Analysis Plan – Part 01	DA-100	Rev A	1/11/2023	Kennedy Associated Architects	
Site Analysis Plan – Part 02	DA-101	Rev A	1/11/2023	Kennedy Associated Architects	

Title / Name:	Drawing No. / Document Ref	Revision /	Date [dd/mm/yyyy]:	Prepared by:
Demolition Plan – Part 01	DA-102	Rev A	1/11/2023	Kennedy Associated Architects
Demolition Plan – Part 02	DA-103	Rev A	1/11/2023	Kennedy Associated Architects
Site Plan – Part 01	DA-104	Rev B	6/03/2024	Kennedy Associated Architects
Site Plan – Part 02	DA-105	Rev B	6/03/2024	Kennedy Associated Architects
Lot Consolidation Plan – Part 1	DA-106	Rev A	1/11/2023	Kennedy Associated Architects
Lot Consolidation Plan – Part 2	DA-107	Rev A	1/11/2023	Kennedy Associated Architects
General Arrangement – External Works –	DA-201	Rev C	5/03/2024	Kennedy Associated Architects
Part 01	571.202		3,00,202	, nemical, resociated resimilation
General Arrangement – External Works – Part 02	DA-202	Rev C	6/03/2024	Kennedy Associated Architects
General Arrangement – Ground Floor – Part 01	DA-203	Rev B	6/03/2024	Kennedy Associated Architects
General Arrangement – Ground Floor – Part 02	DA-204	Rev B	6/03/2024	Kennedy Associated Architects
General Arrangement – Access Plan L00 – Part 01	DA-205	Rev B	6/03/2024	Kennedy Associated Architects
General Arrangement – Access Plan L00 – Part 02	DA-206	Rev B	6/03/2024	Kennedy Associated Architects
General Arrangement –First Floor – Part 01	DA-207	Rev A	1/11/2023	Kennedy Associated Architects
General Arrangement –First Floor – Part 02	DA-208	Rev B	5/02/2024	Kennedy Associated Architects
General Arrangement – Roof – Part 01	DA-209	Rev A	1/11/2023	Kennedy Associated Architects
General Arrangement – Roof – Part 02	DA-210	Rev A	1/11/2023	Kennedy Associated Architects
Cut, Fill, Retaining Wall Plan – Part 01	DA-211	Rev A	1/11/2023	Kennedy Associated Architects
Cut, Fill, Retaining Wall Plan – Part 02	DA-212	Rev A	1/11/2023	Kennedy Associated Architects
Area Counts – Sheet 01	DA-213	Rev B	5/02/2024	Kennedy Associated Architects
Area Counts – Sheet 02	DA-214	Rev B	5/02/2024	Kennedy Associated Architects
Solar Access Study Sheet 01	DA-215	Rev A	2/11/2023	Kennedy Associated Architects
Solar Access Study Sheet 02	DA-216	Rev A	2/11/2023	Kennedy Associated Architects
Shadow Diagrams – Winter Solstice 01	DA-217	Rev A	2/11/2023	Kennedy Associated Architects
Shadow Diagrams – Winter Solstice 02	DA-218	Rev A	2/11/2023	Kennedy Associated Architects
Elevation Sheet 01	DA-301	Rev A	2/11/2023	Kennedy Associated Architects
Elevation Sheet 02	DA-302	Rev A	2/11/2023	Kennedy Associated Architects
Elevation Sheet 03	DA-303	Rev A	2/11/2023	Kennedy Associated Architects
Elevation Sheet 04	DA-304	Rev B	5/02/2024	Kennedy Associated Architects
Elevation Sheet 05	DA-305	Rev A	2/11/2023	Kennedy Associated Architects
Section Sheet 01	DA-401	Rev A	2/11/2023	Kennedy Associated Architects
Section Sheet 02	DA-402	Rev A	2/11/2023	Kennedy Associated Architects
Section Sheet 03	DA-403	Rev A	2/11/2023	Kennedy Associated Architects
Axonometric Views	DA-501	Rev B	15/02/2024	Kennedy Associated Architects
Axonometric Views Height Plane	DA-502	Rev A	2/11/2023	Kennedy Associated Architects
Landscape Plan – Appendix B				
Cover Sheet	LA-100	Rev C	7/03/2024	Studio IZ

Title / Name:	Drawing No. / Document Ref	Revision / Issue:	Date [dd/mm/yyyy]:	Prepared by:
Legend, General Note and Planting Schedule	LA-101	Rev C	7/03/2024	Studio IZ
Existing Trees Plan	LA-200	Rev C	7/03/2024	Studio IZ
General Arrangement Plan – Sheet 1	LA-301	Rev C	7/03/2024	Studio IZ
General Arrangement Plan – Sheet 2	LA-302	Rev C	7/03/2024	Studio IZ
Planting Plan – Sheet 1	LA-401	Rev C	7/03/2024	Studio IZ
Planting Plan – Sheet 2	LA-402	Rev C	7/03/2024	Studio IZ
Typical Details	LA-600	Rev C	7/03/2024	Studio IZ
Specification Notes	LA-700	Rev C	7/03/2024	Studio IZ
Civil Plans – Appendix C	<u> </u>	'	'	
Location Plan and Drawing Schedule	001	Rev D	7/03/2024	Tonkin
General Arrangement Plan	005	Rev D	7/03/2024	Tonkin
Erosion & Sediment Control Plan	101	Rev D	7/03/2024	Tonkin
Erosion & Sediment Control Details	111	Rev D	7/03/2024	Tonkin
Cut & Fill Plan	200	Rev D	7/03/2024	Tonkin
Stormwater Management Plan 1 of 2	301	Rev G	7/03/2024	Tonkin
Stormwater Management Plan 2 of 2	302	Rev G	7/03/2024	Tonkin
Stormwater Longitudinal Sections	310	Rev C	7/03/2024	Tonkin
Siteworks Plan 1 of 2	401	Rev D	7/03/2024	Tonkin
Siteworks Plan 2 of 2	402	Rev D	7/03/2024	Tonkin
Typical Details Sheet 1 of 2	601	Rev D	7/03/2024	Tonkin
Typical Details Sheet 2 of 2	602	Rev D	7/03/2024	Tonkin
Site Frontage Works Plan 1 of 2	S403	Rev A	7/03/2024	Tonkin
Site Frontage Works Plan 2 of 2	S404	Rev A	7/03/2024	Tonkin
Survey Plans – Appendix D				
Detail & Contour Survey	Sheet 1 of 4	Issue 1	2/07/2020	Total Surveying Solutions
Detail & Contour Survey	Sheet 2 of 4	Issue 1	2/07/2020	Total Surveying Solutions
Detail & Contour Survey	Sheet 3 of 4	Issue 1	2/07/2020	Total Surveying Solutions
Detail & Contour Survey	Sheet 4 of 4	Issue 1	2/07/2020	Total Surveying Solutions
Notification Plans – Appendix E				
Cover Page	N01	Rev A	1/11/2023	Kennedy Associated Architects
Street Perspective	N02	Rev A	1/11/2023	Kennedy Associated Architects
Site / Landscape Plan Part 01	N03	Rev A	1/11/2023	Kennedy Associated Architects
Site / Landscape Plan Part 02	N04	Rev A	1/11/2023	Kennedy Associated Architects
Development Data	N05	Rev A	1/11/2023	Kennedy Associated Architects
Elevations 01	N06	Rev A	2/11/2023	Kennedy Associated Architects
Elevations 02	N07	Rev A	2/11/2023	Kennedy Associated Architects
Schedule of Finishes	N08	Rev A	2/11/2023	Kennedy Associated Architects
Shadow Diagrams	N09	Rev A	2/11/2023	Kennedy Associated Architects
Access Report – Appendix H				
Part 5 Application Access Report	-	Rev 2	28/10/2023	MGAC

Title / Name:	Drawing No. / Document Ref	Revision /	Date [dd/mm/yyyy]:	Prepared by:
AHIMS Web Search – Appendix I				
AHIMS search	-	-	30/01/2024	-
Arborist's Report – Appendix J		-	-	
Arborist's Impact Assessment and Tree Management Plan	Ref 5836.3	Rev 3	2/11/2023	RedGum Horticultural
BASIX – Appendix K				
BASIX Certificate	Cert No. 1373594M_04	-	25/10/2023	Elias Aboutannous
BCA report – Appendix L				
BCA Compliance Assessment	P210172	Rev 1	6/07/2023	BCA Vision
NatHERS Certificate – Appendix N				
Nationwide house energy rating scheme – Unit 1	No. C38S8J0WB4- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 2	No. 0ES2MILRD8- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 3	No. QEAZIBL2GU- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 4	No. 3ECC8990BW-	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 5	No. SHFLDDYG8B-	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 6	No. ZEA4JPEHA0- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 7	No. CF87Y2KHSU- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 8	No. JVLAOG88EX- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 9	No. Z9HNIOCENK- 03	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 10	No. X4HA0F5X4Z- 06	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 11	No. 1SU191JOFP- 02	-	19/02/2024	eCerts Australia
Nationwide house energy rating scheme – Unit 12	No. BBLYSC23KO- 03	-	19/02/2024	eCerts Australia
Geotechnical Investigation Assessment - A	ppendix P			
Geotechnical Investigation	No. 20/1821	-	June 2020	STS Geotechnics Pty Ltd
Waste Management Plan – Appendix R				
Waste Management Plan	No. 2260	-	November 2023	Kennedy Associate Architects
Heritage Report – Appendix S				
Statement of Heritage Impact	-	-	10/07/2023	GBA Heritage
Traffic and Parking Impact Assessment - Ap	ppendix T			
Traffic and Parking Impact Assessment	21094	Issue D	October 2023	Transport and Traffic Planning Associates

Title / Name:	Drawing No. / Revision / Date Document Ref Issue: [dd/mm/yyyy]:		Prepared by:	
Acoustic Report – Appendix U				
DA Acoustic Assessment	20231138.1/2011 A/R0/RL	0	20/11/2023	Acoustic Logic

- 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 is 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 Land & 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 Fairfield City Council 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 & 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 Fairfield City 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

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the Land & Housing Corporation. Obsolete gutter laybacks shall be constructed as kerb in accordance with Fairfield City Council's standards.

Note:

It is recommended that discussion 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 surfaced materials. The 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 site preparation / construction works shall be maintained during the entire period of the works 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 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, 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:
 - i. be connected to a permanent 240V power supply; and
 - ii. be 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 plan(s) and maintained for a period of 12 months by the building contractor. Fairfield City 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 the Land & Housing Corporation.

Tree Removal

20. Removal of trees 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 Arboricultural Impact Assessment and Tree Management Plan report 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.
- 22. The proposed fence surrounding the landscaped open space located along the front boundary to the side of Unit 6, is to be replaced by fence type F1 to a height of 1.2m, to be consistent with front fencing along the remainder of the site.

Provision of Letterbox Facilities

23. Suitable letterbox facilities are to be provided in accordance with Australia Post specifications.

Public Liability Insurance

24. A valid public liability insurance policy of at least \$10M shall be maintained throughout the site preparation / construction works by the 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, including site preparation.

Disconnection of Services

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

Prior to Commencement

- 27. The builder shall notify the occupants of premises on either side, opposite and at the rear of the site a minimum of 5 working days prior to commencement of work. Such notification shall be clearly written on an A4 size paper giving the date work 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 works shall not commence prior to the date that is stated in the notice letter.
- 28. Prior to the commencement of work, a Work Plan shall be prepared by a competent person(s) in accordance with AS 2601 and shall be submitted to the Land & Housing Corporation. The Work Plan shall outline the identification of any hazardous materials (including surfaces coated with lead paint), method of works, the precautions to be employed to minimise any dust nuisance and the disposal methods for hazardous materials.

Utilities Service Provider Notification

29. The construction plans shall be submitted to the appropriate water utility's office (e.g. Sydney Water 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.

Council Notification

30. Fairfield City Council shall be advised in writing, of the date it is intended to commence work, including site preparation. A minimum period of **5** working days notification shall be given.

Site Safety

- **31.** A sign shall be erected in a prominent position on any site on which building works or building work is being carried out:
 - (a) showing the name, address and telephone number of the responsible Land & Housing Corporation officer for the work, and
 - (b) showing the name of the principal contractor (if any) and a telephone number on which that person may be contacted outside working hours, and
 - (c) stating that unauthorised entry to the work 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.

32. 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 site preparation / construction. Access to the site shall be restricted to authorised persons only and the site shall be secured against unauthorised entry when site preparation / construction work is not in progress or the site is otherwise unoccupied.

Note:

Approval from the relevant roads authority will 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.

33. No building or other materials are to be stored on the footpath or roadway.

Site Facilities

- **34.** 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 provided shall be a standard flushing toilet and shall be connected to a public sewer or if connection to a public sewer is not practicable, to an accredited sewerage management facility provided by Fairfield City Council or if this is 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 to be placed on any property other than that which this approval relates to.
- **35.** Access to the site shall only be provided via an all-weather driveway on the property and is not to be provided from any other site.

Protection of Trees

36. Trees and other vegetation 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 details provided in the arborist report.

Waste Management

37. A final Waste Management Plan shall be prepared and submitted to the Land & Housing Corporation by the building contractor prior to the commencement of site preparation / construction. The plan shall detail the amount of waste material and the destination of all materials, recyclable and non-recyclable.

PRIOR TO ANY CONSTRUCTION WORK COMMENCING ON SITE

The following Identified Requirements are to be complied with prior to any construction works occurring on the site.

Service Authority Clearances

38. A compliance certificate, or other evidence, shall be obtained from Sydney Water 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.

- **39.** 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.
- **40.** 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.
- 41. Where the site is to be connected to reticulated gas, a certificate from an approved gas carrier to certify that satisfactory arrangements have been made to ensure the provision of underground gas services to each dwelling in the development shall be obtained prior to work commencing.

Stormwater Disposal

- 42. A detailed stormwater drainage plan(s), substantially in accordance with the approved concept stormwater drainage plan(s), shall be prepared and submitted to the Land & Housing Corporation. Any on-site detention system shall be designed in accordance with the relevant catchment authority's requirements (e.g. the Upper Parramatta River Catchment Trust On-site Detention Handbook) and/or Fairfield City Council's drainage code.
- 43. Where a drainage easement is required, proof of lodgement of the plan of the drainage easement at the NSW Land Registry Services shall be submitted to the Land & Housing Corporation prior to commencement of works. Registration of the plan of easement shall be completed prior to occupation of the development and a copy of the registered plan shall be provided to the Land & Housing Corporation.
- **44.** Public domain works including a stormwater pipe extension is required to connect to existing stormwater infrastructure in The Horsley Drive, subject to approval from Transport for NSW (TfNSW) under Section 138 to the Roads Act, 1993.

DURING CONSTRUCTION WORKS

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

Landfill

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

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 the prior approval of the Department of Climate Change, Energy, the Environment and Water.

Site Preparation

- **49.** Hazardous or intractable wastes, including all asbestos laden waste, arising from the site preparation process shall be removed and disposed of in accordance with the requirements of SafeWork NSW.
- **50.** Documentary evidence, in the form of tip receipts from an approved Waste Management Facility, shall be obtained by the contractor and submitted to the Land & Housing Corporation demonstrating the appropriate disposal of the asbestos waste.
- 51. Site preparation procedures shall maximise the reuse and recycling of demolished materials in order to reduce the environmental impacts of waste disposal.
- **52.** During site preparation, 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.
- 53. All vehicles leaving the site with 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

54. Survey reports shall be submitted by the building contractor to the Land & 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 Site Preparation / Construction / Civil Work

55. Site Preparation / 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

56. All excavations and backfilling associated with the site preparation 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

- 57. Any noise generated during the construction of the development shall not exceed the limits specified in the July 2009 Interim Construction Noise Guidelines, published by the former Department of Environment and Climate Change.
- **58.** No fires shall be lit or waste materials burnt on the site.
- **59.** No washing of concrete forms or trucks shall occur on the site.
- **60.** Any contamination / spills on the site during construction works shall be actively managed and reported immediately to appropriate regulatory authorities to minimise any potential damage to the environment.
- 61. Dust generation during site preparation / construction shall be controlled using regular control measures such as on site watering or damp cloth fences.
- **62.** All vehicles transporting loose materials and travelling on public roads shall be secured (ie closed tail gate and covered) to minimise dust generation.
- 63. 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

- **64.** The Land & Housing Corporation shall bear the cost of any necessary adjustments to utility mains and services.
- 65. 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 site preparation / construction works, damage is caused to such adjoining property.

Termite Protection

66. 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.
- (d) the need to maintain and inspect the system on a regular basis.

PRIOR TO OCCUPATION OF THE DEVELOPMENT

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

General

67. The use or occupation of the development shall not commence until all the identified requirements of this determination have been complied with.

Council Infrastructure Damage

68. The cost of repairing any damage caused to Fairfield City Council's assets in the vicinity of the site as a result of site preparation / construction works shall be met in full by the building contractor.

Stormwater Drainage

- 69. 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 on-site 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.

A positive covenant and restriction-as-to-user shall be placed over the onsite detention system in accordance with Fairfield City 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 Land & Housing Corporation and Fairfield City Council.

PART B - Additional Identified Requirements

Specific Requirements for Seniors Housing

70. The independent living units shall comply with the accessibility and useability standards referenced in section 85 and set out in Schedule 4 of State Environmental Planning Policy (Housing) 2021 (as made immediately prior to the making of State Environmental Planning Policy Amendment (Housing) 2023)...

Note:

This requirement does not apply to the provisions set out under sections 2, 7-13 and 15-20 of Schedule 4 for an independent living unit, or part of such a unit, that is located above the ground floor

- 71. Only the following kinds of people shall be accommodated in the approved development:
 - (a) seniors or people who have a disability; or
 - (b) people who live within the same household with seniors or people who have a disability; or
 - (c) staff employed to assist in the administration and provision of services to the seniors housing development.

Note:

It should be noted that 'seniors', as defined in the Housing SEPP, are any of the following:

- (a) people aged 60 or more years,
- (b) people who are resident at a facility at which residential care (within the meaning of the Aged Care Act 1997 of the Commonwealth) is provided, and
- (c) people who have been assessed as being eligible to occupy housing for aged persons provided by a social housing provider.

A restriction as to user shall be registered against the title of the property, prior to occupation, in accordance with Section 88E of the Conveyancing Act 1919 limiting the use of any accommodation to the kinds of people referred to above and that the dwellings cannot be subdivided.

- 72. Pathway lighting shall be designed to provide a minimum of 20 lux at ground level and be located to avoid glare for pedestrians and adjacent dwellings.
- **73.** Access to, and within, the site shall be provided in accordance with AS 1428.1 so that a person using a wheelchair can use common areas and common facilities associated with the activity.
- **74.** Entry doors to units shall to be provided with door viewers to enable residents to view approaches to their units without the need to open the door.

Site Specific Requirements

75. Pathway and road reserve upgrading identified in the Access Report is to be undertaken in collaboration with Fairfield City Council and the relevant road authority (if not Fairfield City Council) to provide a continuous accessible path of travel between the site and the nearest bus stops.

Note:

The responsible officer at the Fairfield City Council shall be contacted regarding council's specifications and any necessary approvals.

- **76.** During construction, downpipes conveying roof water from the subject development are to be connected to underground rainwater tank / underground detention tank as required, in accordance with the approved concept stormwater drainage plans.
- 77. The development must be designed such that the internal noise level criteria is as follows in accordance with the Acoustic Assessment Report prepared by Acoustic Logic:
 - (a) Bedroom 35 dB LAeq,9hrs
 - (b) Living room 40 dB LAeq,15hrs

78. Air conditioning

Design and Installation

Any air conditioning unit installed on the premises must be designed, specified and installed to ensure that they comply with the requirements of the *Protection of the Environment Operations (Noise Control) Regulations 2017* and must not emit a noise that exceeds 5dB(A) above the ambient background noise level measured at any property boundary. Acoustic treatment may be required to ensure this is achieved.

Certification, from an appropriately qualified acoustic consultant, shall be provided at construction documentation stage that the air conditioning units can comply with this requirement.

Further certification, from an appropriately qualified acoustic consultant, shall be provided prior to occupation that the installed air conditioning units comply with this requirement.

On-Going

The use of any air-conditioning unit must comply with the requirements of the *Protection of the Environment Operations (Noise Control) Regulations 2017* and must not:

- (a) emit a noise that is audible within a habitable room in any adjoining residence (regardless of whether any door or window to that room is open);
 - (i) before 8.00 am and after 10.00 pm on any Saturday, Sunday or Public Holiday; or (ii) before 7.00 am or after 10.00 pm on any other day;
- (b) emit a noise that exceeds 5dB(A) above the ambient background noise level measured at any property boundary.

79. Solar (photovoltaic electricity generating) energy system

Where a solar energy system is proposed it must satisfy the following requirements:

- the system is installed in accordance with the manufacturer's specifications or by a person who is accredited by the Clean Energy Council for the installation of photovoltaic electricity generating systems, and
- the solar energy system must not reduce the structural integrity of any building to which the system is attached, and
- the system must not involve mirrors or lenses to reflect or concentrate sunlight,
 and
- the system must not protrude more than 0.5m from the wall or roof (as measured from the point of attachment), and
- the system is installed no less than 0.9m from any adjoining property boundary.

Where a solar energy system is proposed it must demonstrate compliance with the above requirements at Crown Certification stage.

80. Updated BASIX Certificate

An updated BASIX Certificate prepared by an appropriately qualified person is to be provided at construction documentation stage detailing the inclusion of air conditioning and solar (photovoltaic energy generating) energy system.

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.

Page 17 of 17



DECISION STATEMENT

Project No. BGWVA

SITE IDENTIFICATION					
STREET ADDRESS					
Unit/Street No	Street or property name				
1-7	Fergerson Avenue				
Suburb, town or locality	Postcode				
Fairfield	2165				
Local Government Area(s)	Real property description (Lot and DP)				
Fairfield	Lots 14, 15, 16 & 17 in Deposited Plan 35636				
ACTIVITY DESCRIPTION					
Provide a description of the acti	vity				
Removal of trees, and the construction of 12 independent living seniors housing units comprising 6 x 1					
bedroom and 6 x 2 bedroom units, with associated landscaping and fencing, surface parking for 6 cars,					
and consolidation into a single lot.					

NSW Land & 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 Fairfield City 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 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.

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



FERGERSON AVENUE - STREET PERSPECTIVE - BLOCK A-B



SUBJECT SITE

FAIRFIELD

LOCATION PLAN scale 1:2000

DETAIL NOTES

- 01. These details do not provide a full and comprehensive set of details for the whole project.
- 02. These details demonstrate the anticipated level of detail for the project and the types of trims and junctions that are proposed, including the requirement for flush finishing door sills.
- 03. The contractor is to allow for achieveing the same level of detail for details currently not shown.
- 04. The architect may provide additional details as and when they are required to clarify expectations. Details provided in response to requests for information (r.f.i.'s) are provided to assist the builder in finishing the project in a manner consistent with the details shown at tender.
- 05. The contractor is to allow for trims, seals and finishing without unsightly gaps throughout the project that are consistent with the contract documents. The absence of a particular detail at the time of tender is not in and of listelf evidence that a trim or from of finishing could not have been anticipated. The owner is entitled to anticipate that the tender price allows for finishing the project in a satisfactory manner consistent with the documents issued for tender.
- 06. Drawings to be printed at A1 and viewed in colour.

Nathers Construction & Insulation Specifications

Ground Floors: FR5 - CSOG: Slob on ground
 First Floors: FR5 - 300mm concrete slab.

EXTERIOR WALLS - Cavity brick: R1.0

Modelled with light colour finishes, as per plans.

GLAZING Al. Single glazed - Clear:

- ALL UNITS (U01-U12)

 Type A (U-Value: 6.7, SHGC: 0.57).

 Type B (U-Value: 6.7, SHGC: 0.7).

U-Value & SHGC are combined glass and frame figures.

- All units: 1x1200mm ceiling fan to living/kitchen area and Bed1. R1.3ceiling insulation to all ceilings to roofs for Units 07.
- R1.5 ceiling insulation to all ceilings to roofs for Units 08, 09,10,11&12.

 Modelled with sealed: LED downlights & wet area exhaust fans.

- Unit 07 Metal roof with R3.5 rated product, modelled with medium colour finishes, and as unventilated.
- Unit 08 12 Metal roof with R1.3 rated product, modelled with medium colour
- finishes, and as unventilated.

* Please refer to NatHERS individual certificate for further details.

NATHERS ENERGY RATING												
UNIT	1	2	3	4	5	6	7	8	9	10	11	12
HEAT	24.1	34.8	35.5	35.5	39	35.8	35	28.8	24.4	32.1	32.2	35.1
COOL	2.4	1.1	1.6	3.1	2.2	1.4	13.4	7.5	7.6	9	7.9	8
STARS	8.8	8.3	8.4	8.1	7.9	8.2	7.6	8.3	8.5	7.9	8.1	7.9

BASIX COMMITMENTS

CENTRAL SYSTEMS

4 x 20001 Total 80001

NATURAL LIGHTING

- All dwellings: No. of Bathroom or toilet 1 / Main kitchen yes

ALTERNATIVE ENERGY central supply for all Dwelings - 5.5KW Photovoltaic System

INDIGENOUS AND LOW WATER USE SPECIES

Common area: 267 m²

Area of indigenous or low water use species: 50 m2

HOT WATER SYSTEM

All Dwellings - electric heat pump - air sourced 31-35 STCs

FIXURES

All dwellings All shower heads - 4 Star (> 4.5 but <= 6L/min)

All toilet flushing systems 4 star All kitchen taps 3 star

All bathroom taps 3 star HW recirculation or diversion no

All clothes washers 3 star All dishwshers 3 star

APPLIANCES All dwellings

Electric cooktop & electric oven Well ventilated fridge space Indoor or sheltered clothes drying line

DRAWING LIST

DRAWING NO.	DRAWING NAME
DA-000	COVER PAGE
DA-001	BLOCK ANALYSIS PLAN
DA-100	SITE ANALYSIS PLAN - PART 01
DA-101	SITE ANALYSIS PLAN - PART 02
DA-102	DEMOLITION PLAN - PART 01
DA-103	DEMOLITION PLAN - PART 02
DA-104	SITE PLAN - PART 01
DA-105	SITE PLAN - PART 02
DA-106	LOT CONSOLIDATION PLAN - PART 01
DA-107	LOT CONSOLIDATION PLAN - PART 02
DA-201	GENERAL ARRANGEMENT - EXTERNAL WORKS - PART 0
DA-202	GENERAL ARRANGEMENT - EXTERNAL WORKS - PART 0
DA-203	GENERAL ARRANGEMENT - GROUND FLOOR - PART 01
DA-204	GENERAL ARRANGEMENT - GROUND FLOOR - PART 02
DA-205	GENERAL ARRANGEMENT - ACCESS PLAN L00 - PART 1
DA-206	GENERAL ARRANGEMENT - ACCESS PLAN L00 - PART 2
DA-207	GENERAL ARRANGEMENT - FIRST FLOOR - PART 01
DA-208	GENERAL ARRANGEMENT - FIRST FLOOR - PART 02
DA-209	GENERAL ARRANGEMENT - ROOF - PART 01
DA-210	GENERAL ARRANGEMENT - ROOF - PART 02
DA-211	CUT & FILL & RETAINING WALL PLAN - PART 01
DA-212	CUT & FILL & RETAINING WALL PLAN - PART 02
DA-213	AREA COUNTS - SHEET 01
DA-214	AREA COUNTS - SHEET 02
DA-215	SOLAR ACCESS STUDY SHEET 01
DA-216	SOLAR ACCESS STUDY SHEET 02
DA-217	SHADOW DIAGRAMS - WINTER SOLSTICE 1
DA-218	SHADOW DIAGRAMS - WINTER SOLSTICE 2
DA-301	ELEVATIONS 01
DA-302	ELEVATIONS 02
DA-303	ELEVATIONS 03

DA-301	ELEVATIONS 01
DA-302	ELEVATIONS 02
DA-303	ELEVATIONS 03
DA-304	ELEVATIONS 04
DA-305	ELEVATIONS 05
DA-401	SECTION 01
DA-402	SECTION 02
DA-403	SECTION 03
DA-404	SECTION 04
DA-405	SECTION 05
DA-501	3D VIEWS
DA-502	3D VIEWS HEIGHT PLAN

NOTIFICATION - COVER SHEET NOTIFICATION - STREET PERSPECTIVE NOTIFICATION - SITE/LANDSCAPE PLAN - PART 01 NOTIFICATION - SITE/LANDSCAPE PLAN - PART 02

NOTIFICATION - DEVELOPMENT DATA NOTIFICATION - ELEVATIONS NOTIFICATION - ELEVATIONS NOTIFICATION - SCHEDULE OF FINISHES NOTIFICATION - SHADOW DIAGRAMS

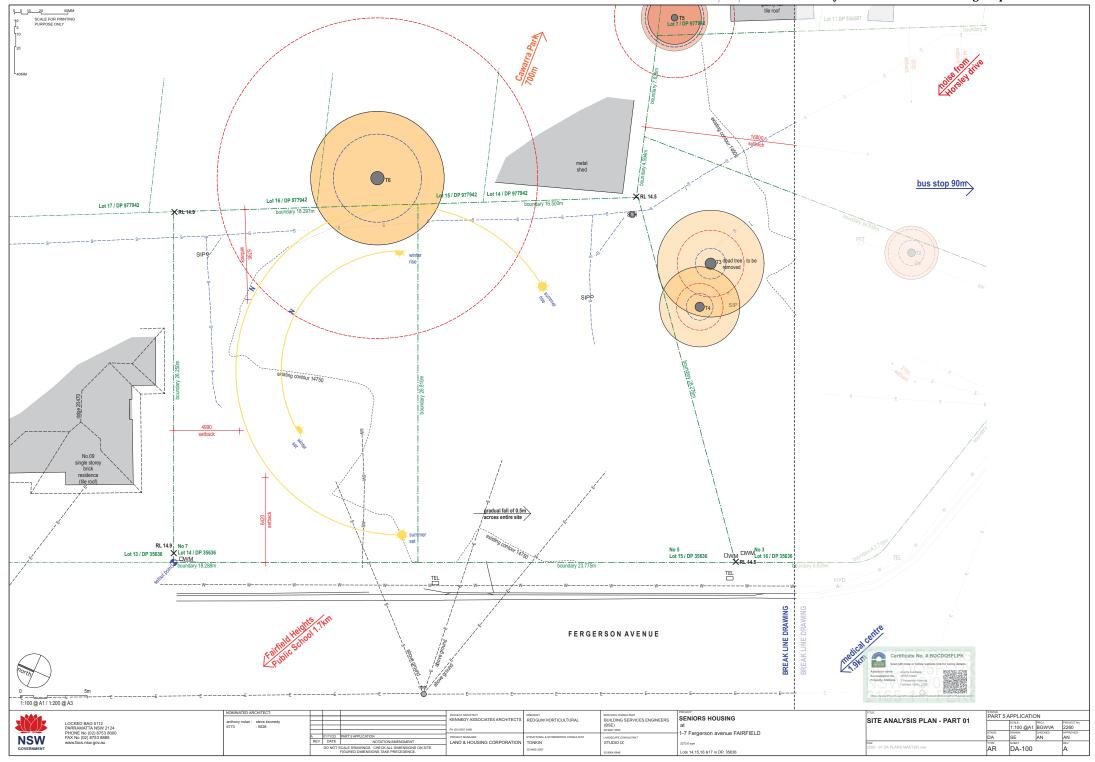


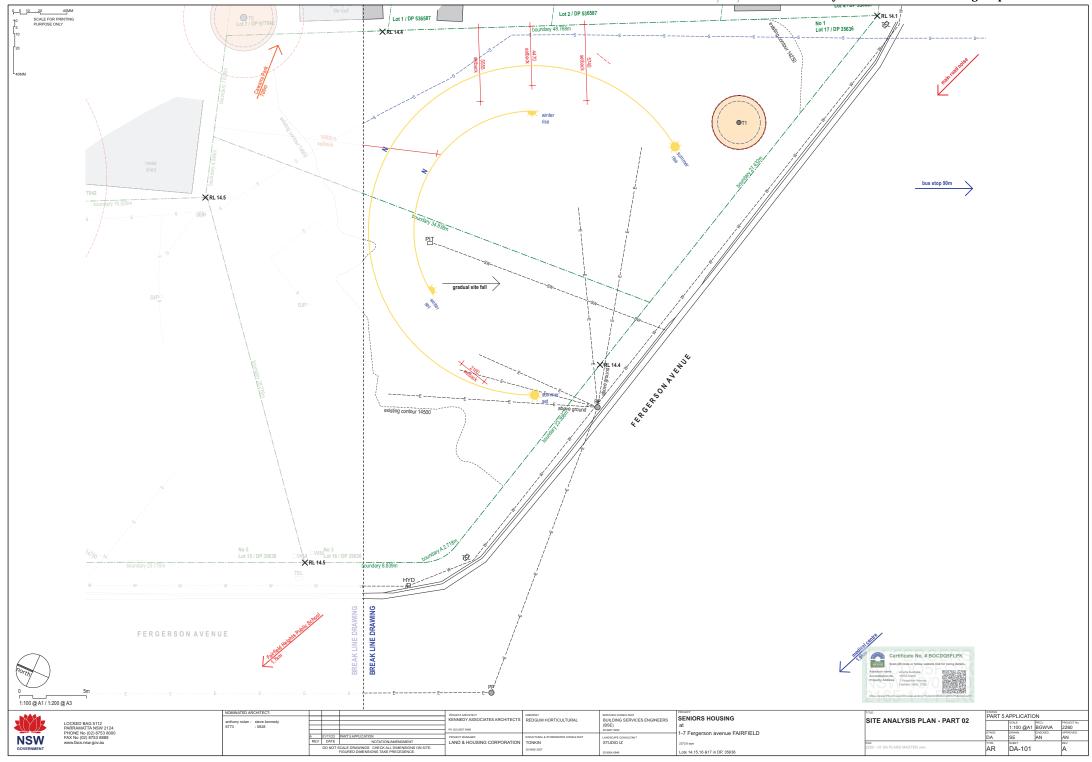
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KENNEDY ASSOCIATES ARCHITECTS PH (82) 9557 6466	REDGUM HORTICULTURAL	BUILDING SERVICES ENG (BSE) 02 9927 5200
PROJECT MANAGER LAND & HOUSING CORPORATION	STRUCTURAL & STORMWATER CONSULTANT TONKIN 02 9409 3307	LANDSCAPE CONSULTANT STUDIO IZ 02 8004 6046

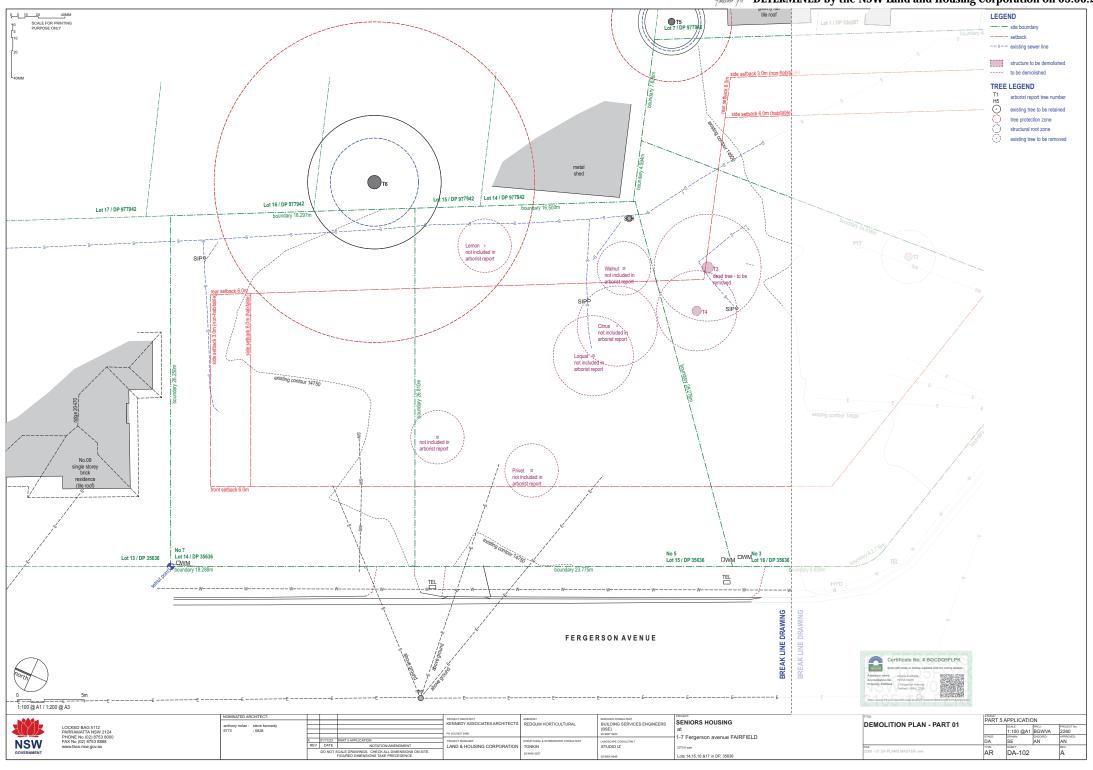
ENGINEERS	SENIORS HOUSING at			
	1-7 Fergerson avenue FAIRFIELD			
	2272.6 sqm			
	Lots 14,15,16 &17 in DP, 35636			



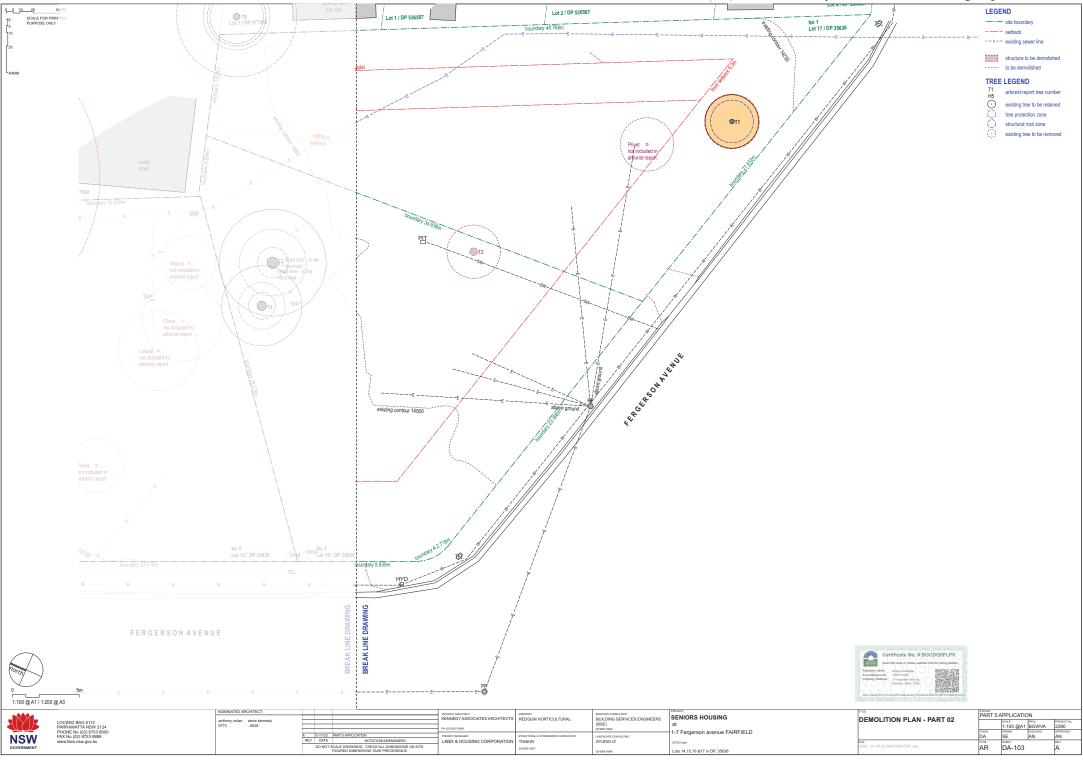




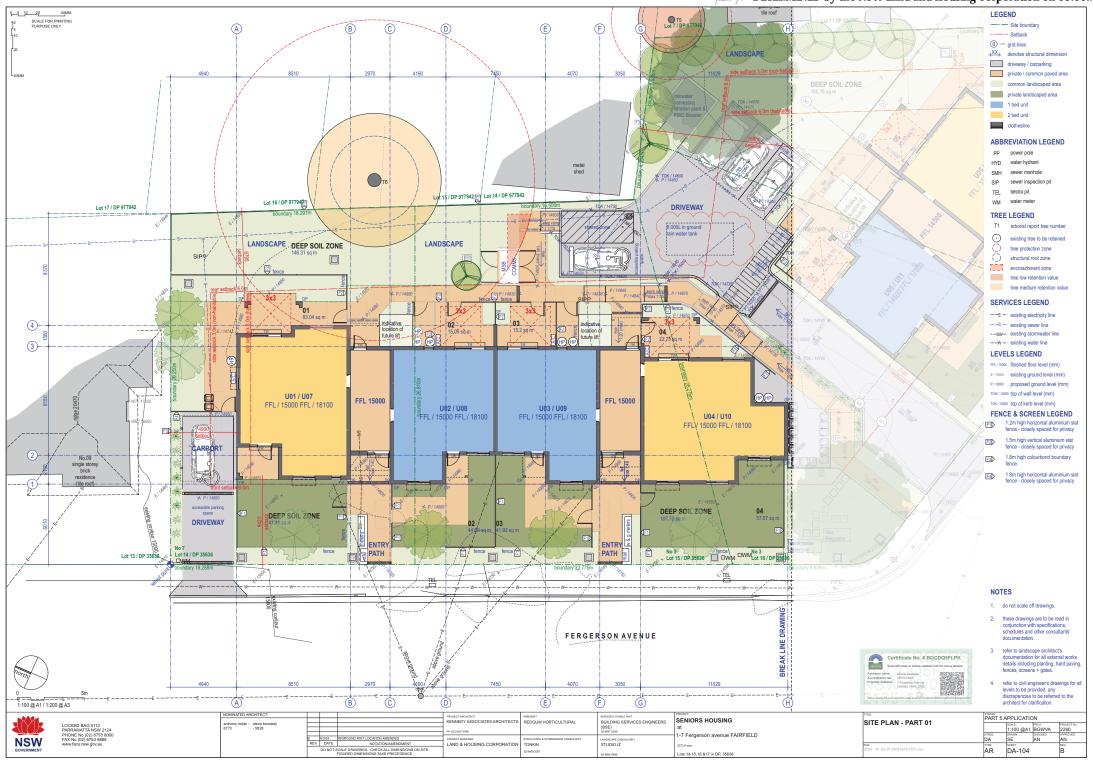
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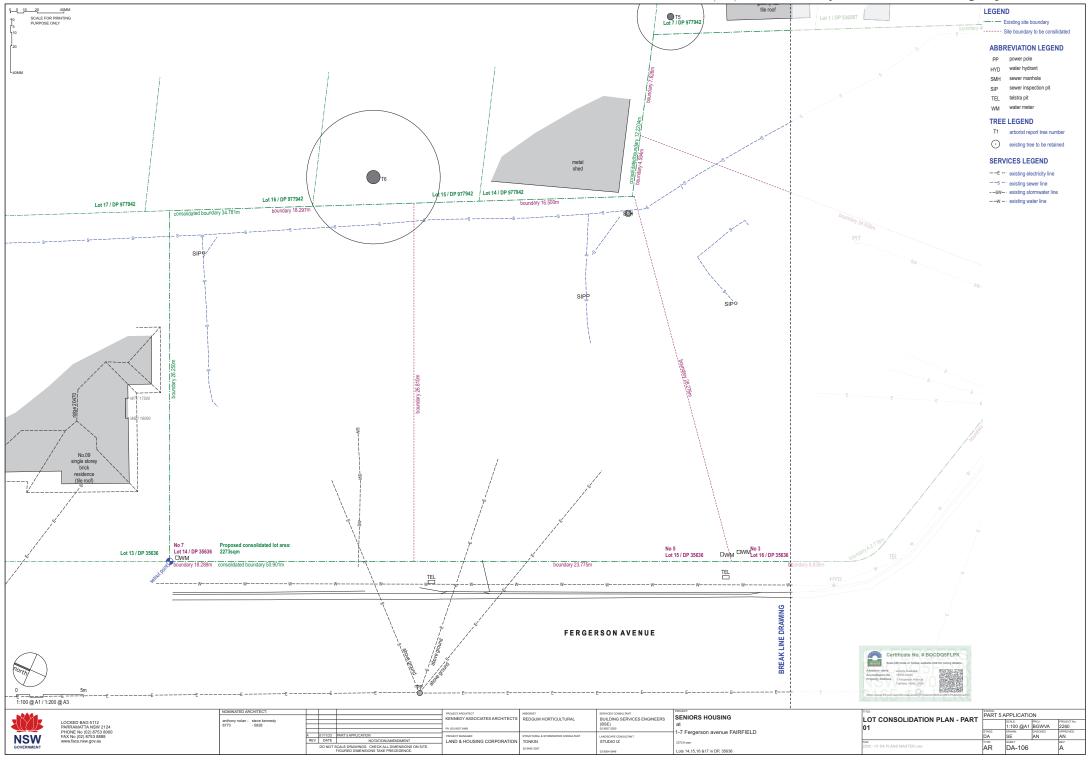
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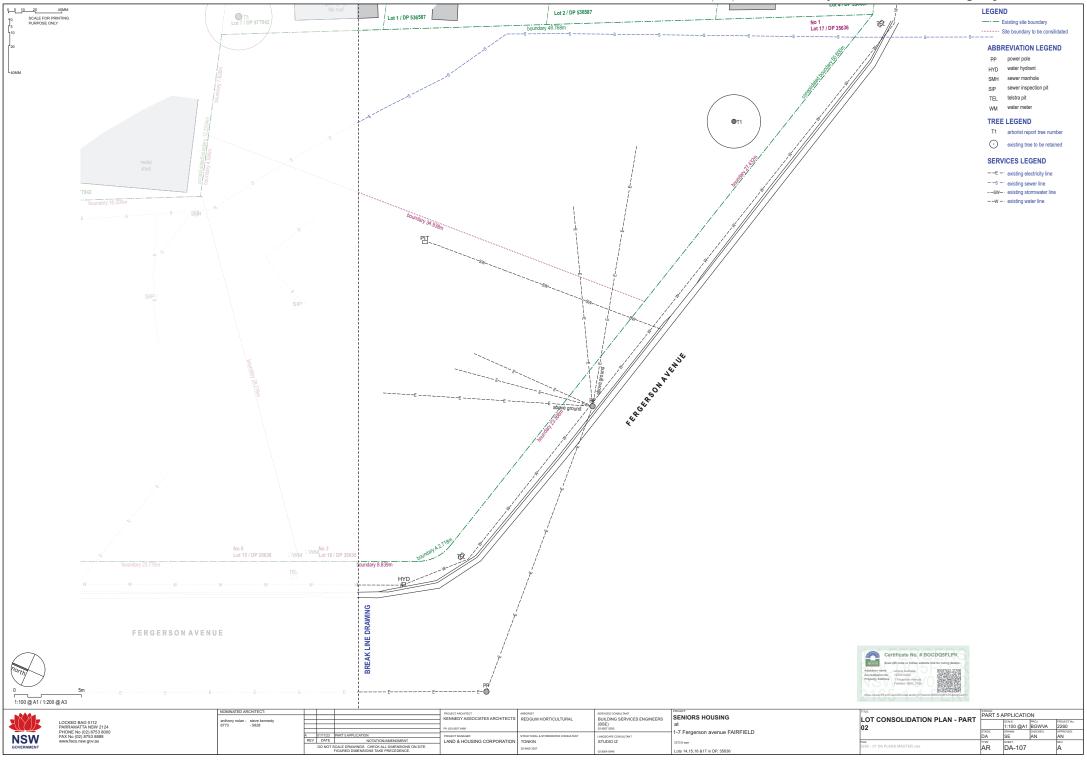
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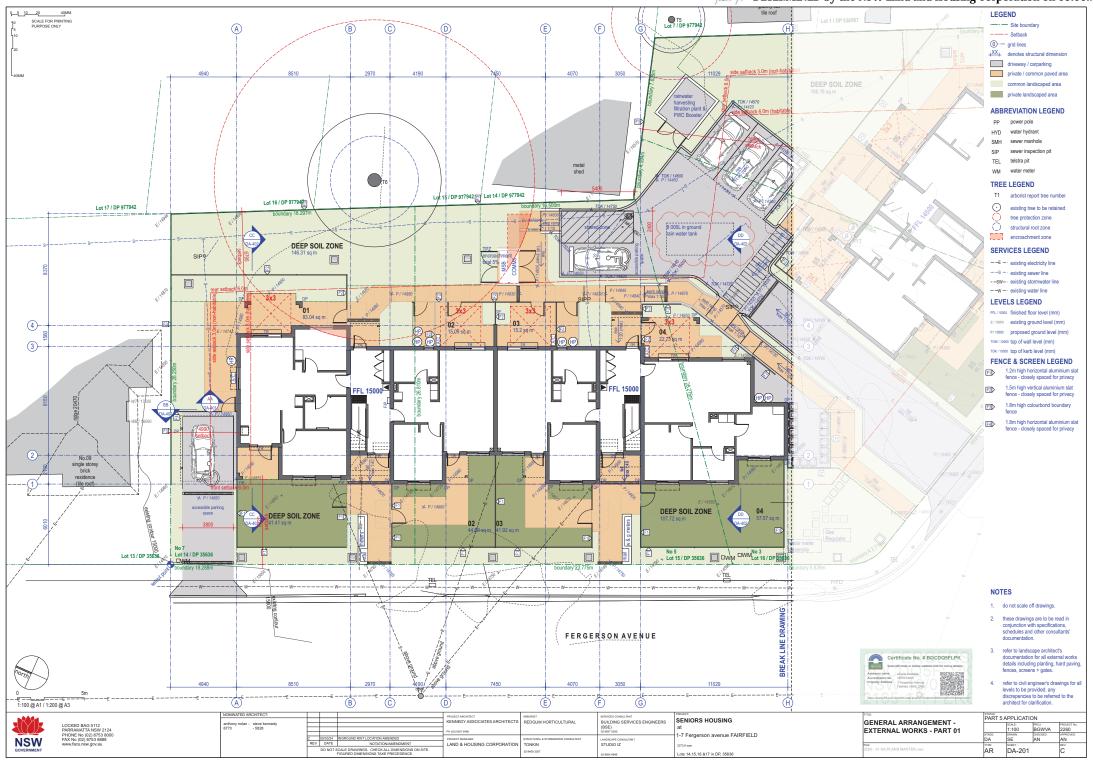
Adods M. DETERMINED by the NSW Land and Housing Corporation on 03.06.24



Habida M. DETERMINED by the NSW Land and Housing Corporation on 03.06.24



4 Jacob Ad DETERMINED by the NSW Land and Housing Corporation on 03.06.24



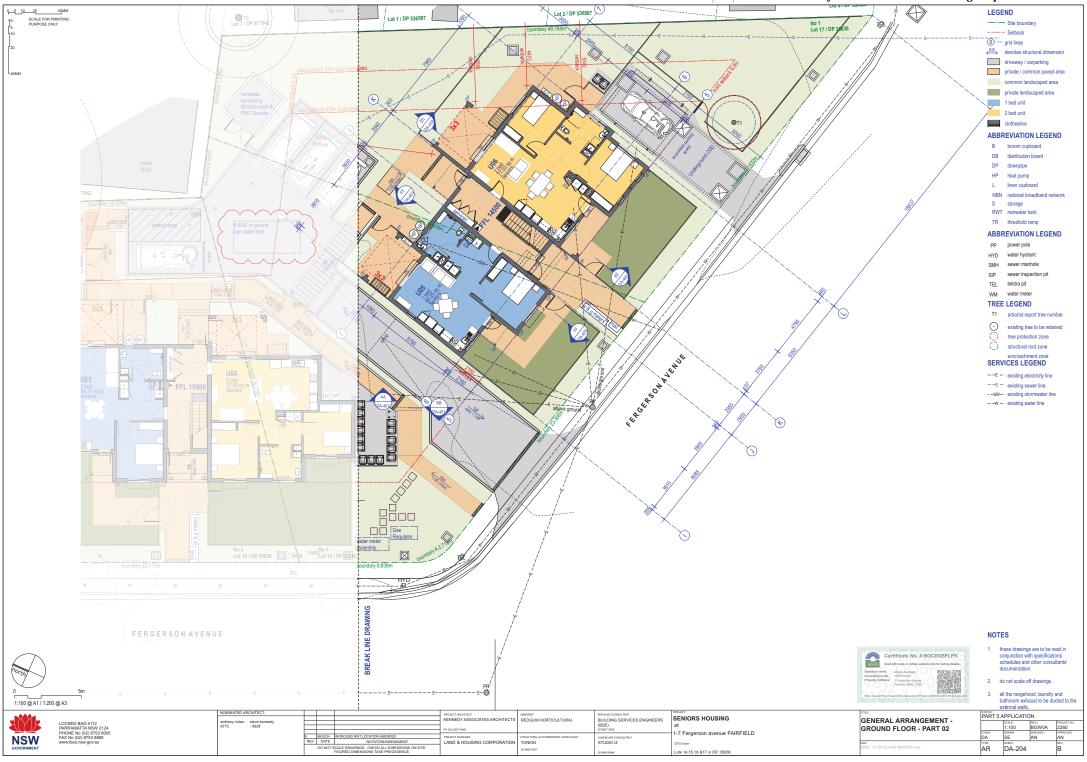
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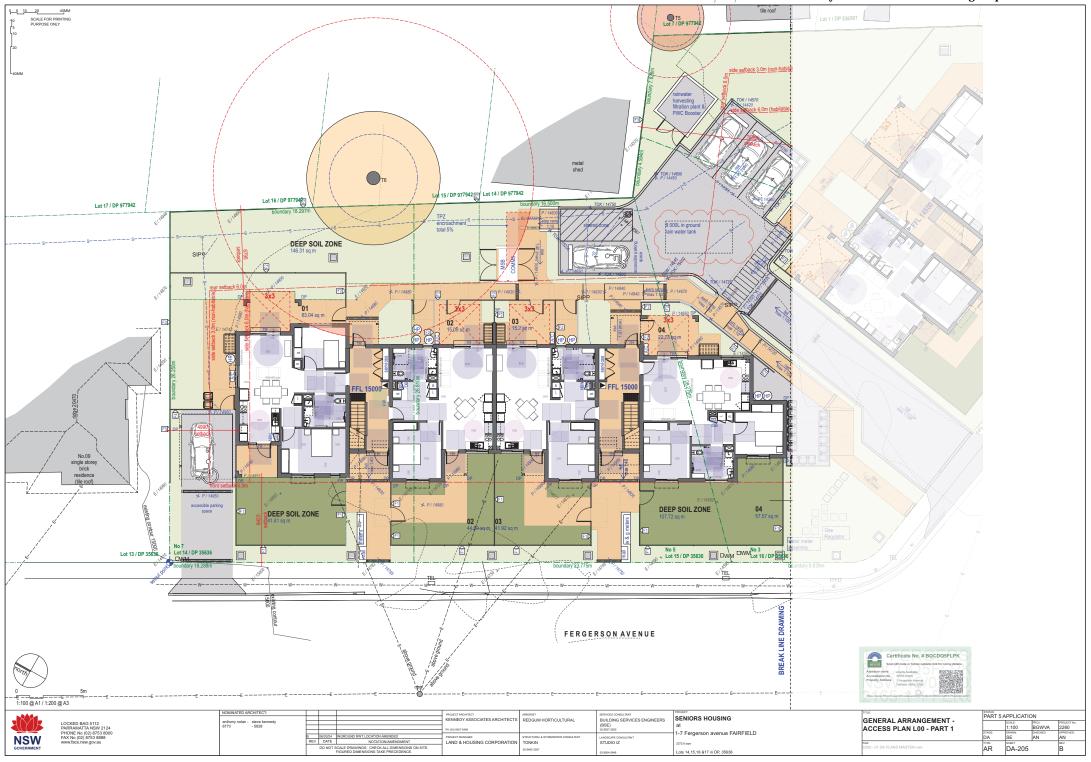
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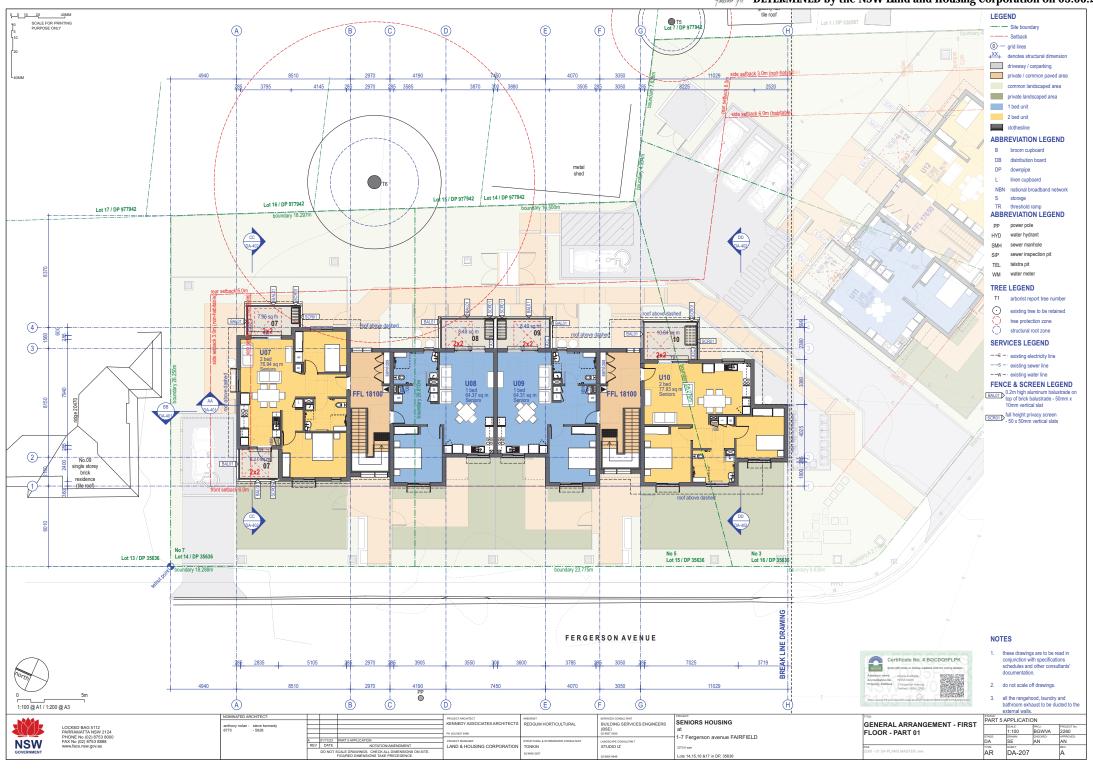


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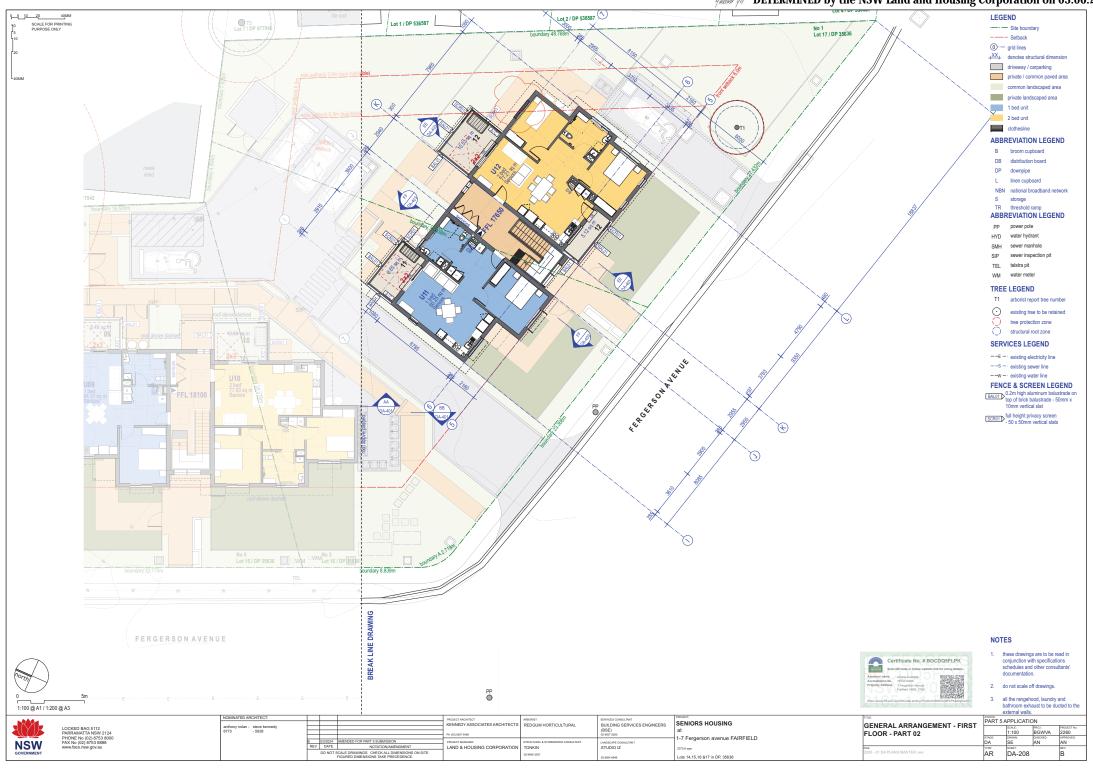




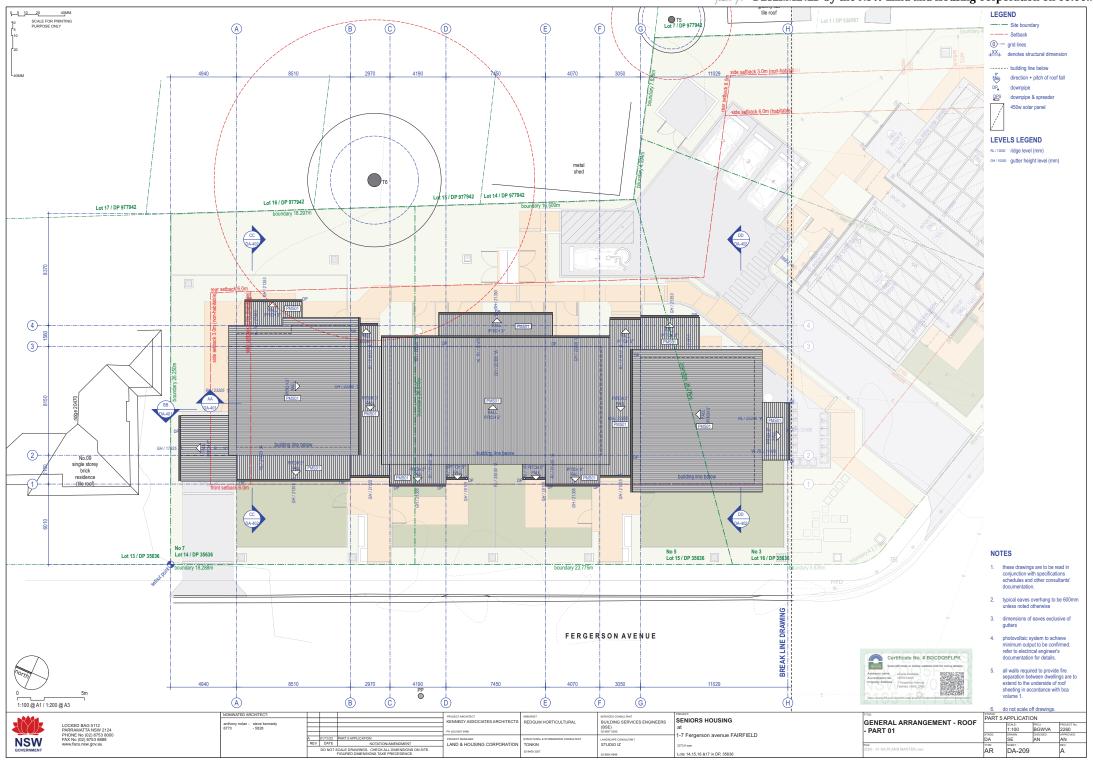
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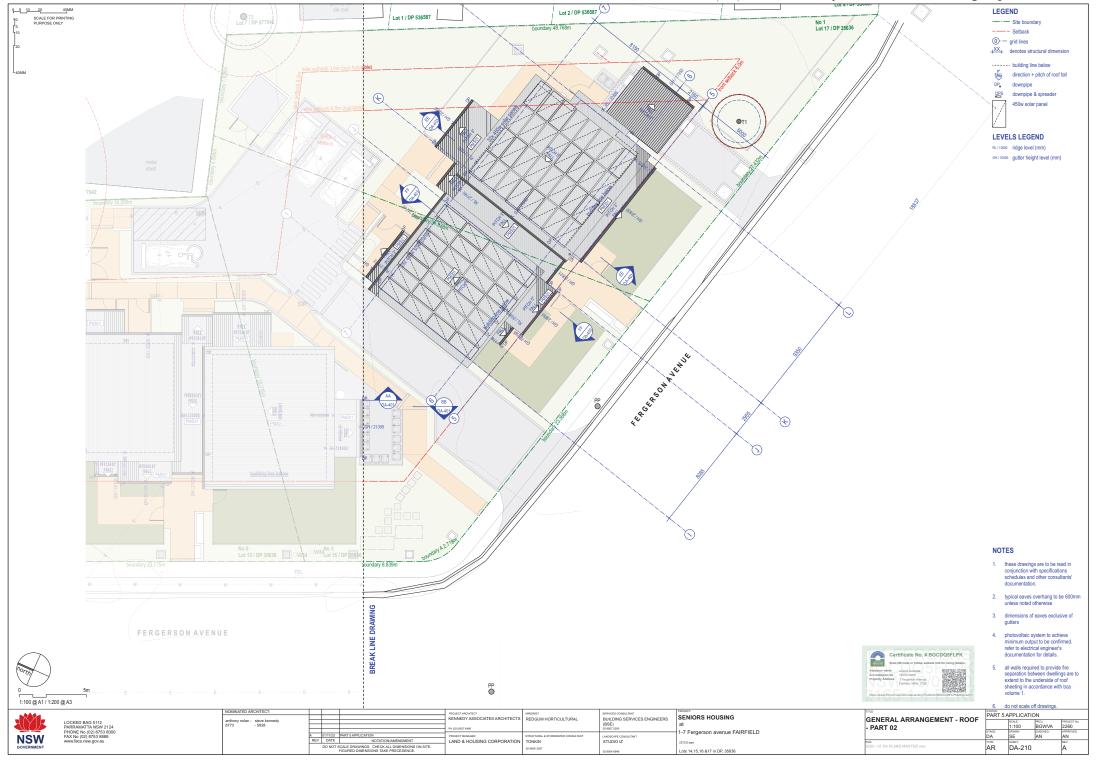
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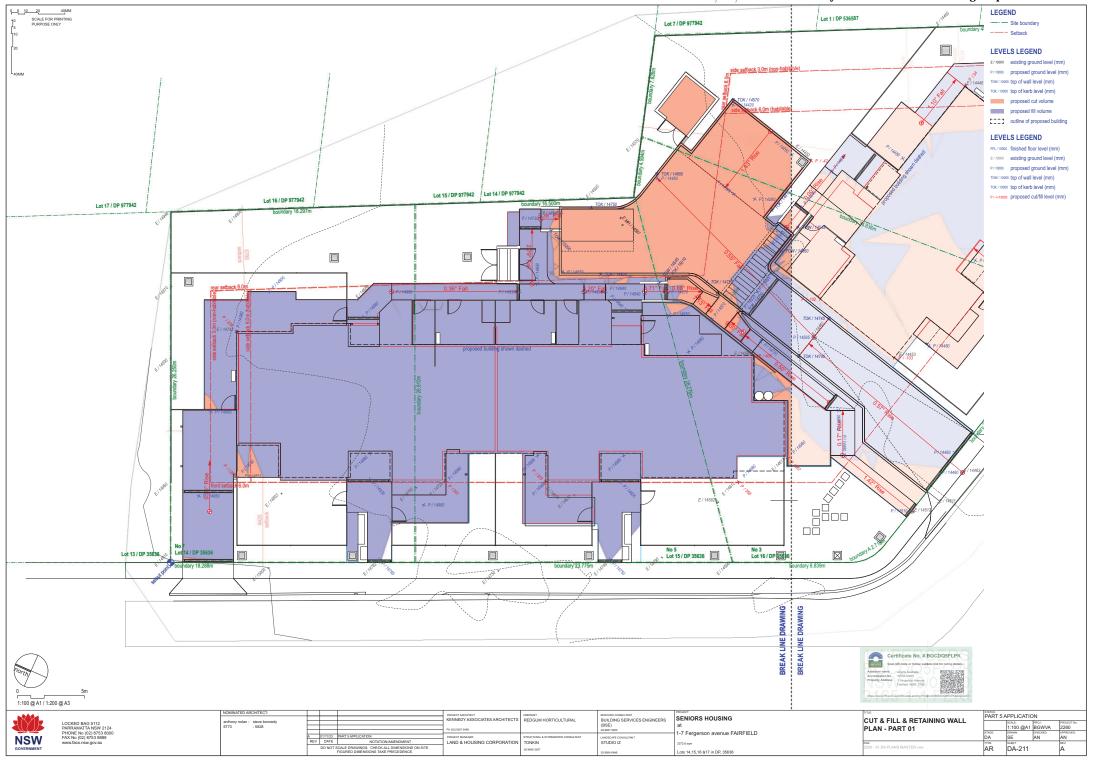
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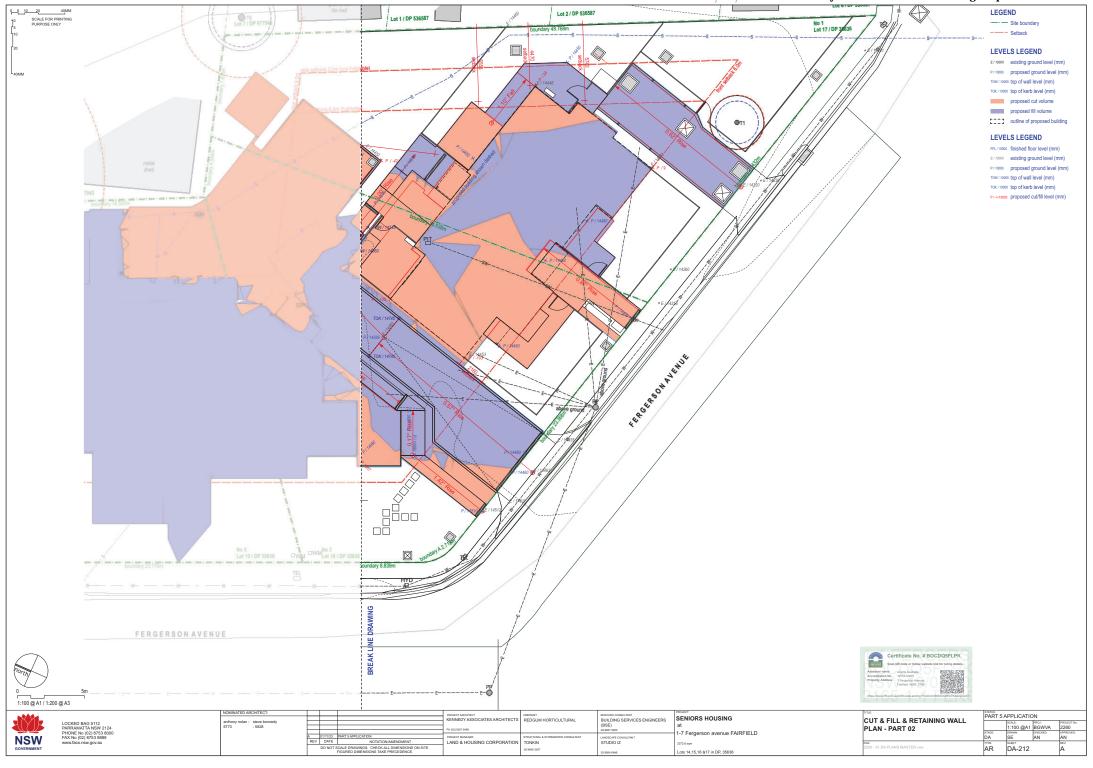
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4 DETERMINED by the NSW Land and Housing Corporation on 03.06.24



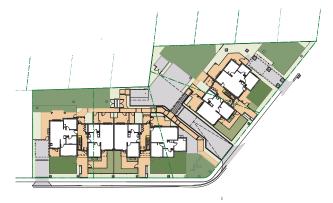
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LANDSCAPE AREA (HOUSING SEPP)

DEEP SOIL ZONE (HOUSING SEPP)





HOUST Scar	QR code or follow website	link for rating deta
Assessor name Accreditation No. Property Address	eCerts Australia HERA10205 1 Fergerson Avenue, Fairfield, NSW, 2165	

LOCKED BA PARRAMATI PHONE No (FAX No (02) www.facs.ns

LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 8000 FAX No (02) 8753 8888 www.facs.nsw.gov.au

TED ARCHITECT:				PROJECT ARCHITECT	ARBORIST CONSULTANT		PROJECT
						BUILDING SERVICES ENGINEERS	SENIORS HOUSING
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WINTER SUN 9:00AM



WINTER SUN 10:00AM



WINTER SUN 11:00AM



WINTER SUN 12:00PM



VING	ARFAS	70%

	Unit	U 01	U 02	U 03	U 04	U 05	U 06	U 07	U 08	U 09	U 10	U 11	U 12
9:00am to 10:00am			1	1	1	- 1	1	1	1	- 1	1	- 1	
10:00am to 11:00am			-1			- 1	-1	- 1	1		1	1	- 1
11:00am to 12:00pm						- 1		- 1				1	- 1
12:00pm to 13:00pm		1				- 1		- 1				1	-1
13:00pm to 14:00pm		- 1				-1		- 1				- 1	-1
14:00pm to 15:00pm		- 1			г	П		- 1		П		- 1	1
Total Hours		6	2	1	1	5	2	6	2	1	3	6	5

DDIVATE	ODEN	SDACE	100%

	_		_	_	_	_	_	_	_	_	_	_	_
	Unit	U 01	U 02	U 03	U 04	U 05	U 06	U 07	U 08	U 09	U 10	U 11	U 1
9:00am to 10:00am		1	1	1	1	- 1	1						
10:00am to 11:00am		- 1	1	1	1	- 1	1		- 1	- 1	1		- 1
11:00am to 12:00pm		1	1	1	1	- 1	1	1	1	- 1	1	1	- 1
12:00pm to 13:00pm		- 1	-1	1	1	- 5	-1	- 1	- 1	- 5	- 1	1	- 1
13:00pm to 14:00pm		- 1	-1	1	- 1	- 5	-1	- 1				1	- 1
14:00pm to 15:00pm		1				- 5	-1	- 1				1	- 1
Total Hours		6	5	5	5	6	6	4	3	3	3	4	5

Calan Assess														
Solar Access														
Living Areas	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Requirements	Complies
9:00am to 10:00am	1	1	1	1	1	1	1	1	1	1	1	0		
10:00am to 11:00am	1	1	0	0	1	1	1	1	0	1	1	1		
11:00am to 12:00pm	1	0	0	0	1	0	1	0	0	1	1	1		
12:00pm to 1:00pm	1	0	0	0	1	0	1	0	0	0	1	1		
1:00pm to 2:00pm	1	0	0	0	1	0	1	0	0	0	1	1		
2:00pm to 3:00pm	1	0	0	0	0	0	1	0	0	0	1	1		
Total Hours	6hrs	2hrs	1hrs	1hrs	5hrs	2hrs	6hrs	2hrs	1hrs	3hrs	6hrs	5hrs	Min 2hrs per Unit	
	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Min 70% of Units	Complies

WINTER SUN 2:00PM

Solar Access														
POS	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	2 Requirements Complies	
9:00am to 10:00am	1	1	1	1	1	1	0	0	0	0	0	0		
10:00am to 11:00am	1	1	1	1	1	1	0	1	1	1	0	1		
11:00am to 12:00pm	1	1	1	1	1	1	1	1	1	1	1	1		
12:00pm to 1:00pm	1	1	1	1	1	1	1	1	1	1	1	1	Certificate No. # BOO	DQ5FLF
1:00pm to 2:00pm	1	1	1	1	1	1	1	0	0	0	1	1	Scan QR code or follow website is	nk for rating de
2:00pm to 3:00pm	1	0	0	0	1	1	1	0	0	0	1	1	Assessor name («Certs Australia	microsco.
Total Hours	6hrs	5hrs	5hrs	5hrs	6hrs	6hrs	4hrs	3hrs	3hrs	3hrs	4hrs	5hrs	Min 2hrs per Lifetteditation No. HERA10205	
Complies	Yes	Yes	Yes	Min 70% of Units CoFalbie Risk, 2165										

WINTER SUN 3:00PM



NOMINATED ARCHITECT:			
anthony nolan 6773			
	A	2/11/23	PART 5 APPLIC
	REV	DATE	
			CALE DRAWII

D ARCHITECT:				PROJECT ARCHITECT	ARBORIST CONSULTANT		PROJECT:
lan 6773				KENNEDY ASSOCIATES ARCHITECTS	REDGUM HOTICUI TURAI	BUILDING SERVICES ENGINEERS	SENIORS HOUSING
ian 6//3						(BSE)	at
ļ.				PH (02) 9557 6466		02 9927 5200	
		2/11/23					1-7 FERGERSON AVENUE, FAIRFIEL
			PART 5 APPLICATION	PROJECT MANAGER	STRUCTURAL & STORMWATER CONSULTANT	LANDSCAPE CONSULTANT	
	REV	DATE	NOTATION/AMENDMENT	LAND & HOUSING CORPORATION	TONKIN	STUDIO IZ	2272.6 som
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		FIGURED DIMENSIONS TAKE PRECEDENCE.			22 3403 2207	02 8004 6946	Lot 14,15,16 & 17 in DP 35636

SOLAR ACCESS STUDY SHEET 01	PART 5 APPLICATION				
SOLAR ACCESS STUDY SHEET UT		1:350 @A1	PROJ: BGWVA	PROJECT No. 2260	
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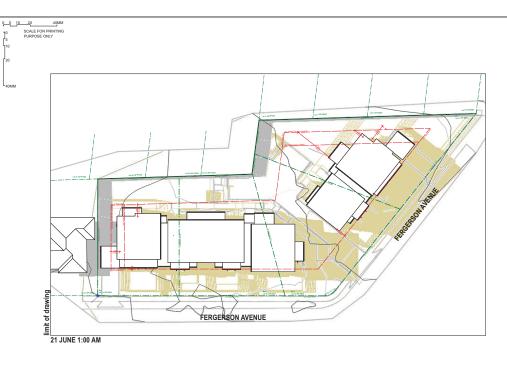


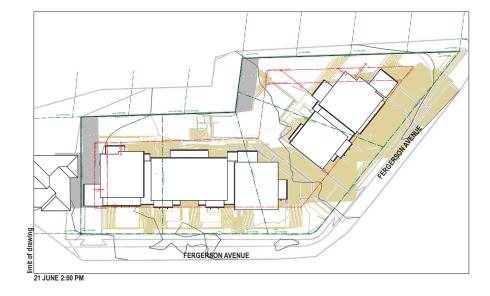
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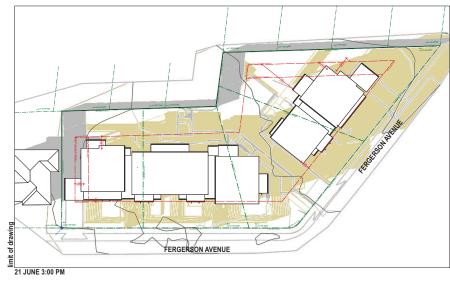
ATED ARCHITECT:				PROJECT ARCHITECT	ARBORIST CONSULTANT		PROJECT:
v nolan 6773				KENNEDY ASSOCIATES ARCHITECTS	REDGUM HOTICULTURAL	BUILDING SERVICES ENGINEERS	SENIORS HOUSING
y notati 6773		_				(BSE)	at
				PH (02) 9557 6466		02 9927 5200	1-7 FERGERSON AVENUE, FAIRFIELD
	A.	2/11/23	PART 5 APPLICATION	PROJECT MANAGER	STRUCTURAL & STORMWATER CONSULTANT	LANDSCAPE CONSULTANT	1-7 FERGERSON AVENUE, FAIRFIELD
	REV	DATE	NOTATION/AMENDMENT	LAND & HOUSING CORPORATION	TONKIN	STUDIO IZ	2272.6 som
			CALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE.		02 9409 3307		
			FIGURED DIMENSIONS TAKE PRECEDENCE.		W 9409 2200	02 8004 6946	Lot 14,15,16 & 17 in DP 35636

SOLAR ACCESS STUDY SHEET 02	PART 5 A	APPLICATIO	N	
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		SE SE	AN	APPROVED:
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NSW	FAX No (02) 8753 8888 www.facs.nsw.gov.au
GOVERNMENT	

IATED ARCHITECT:				PROJECTARCHITECT	ARBORIST CONSULTANT		PROJECT
v nolan - steve kennedy				KENNEDY ASSOCIATES ARCHITECTS		BUILDING SERVICES ENGINEERS	SENIORS HOUSING
y noian - steve kennedy - 5828	_					(BSE)	at
- 5020	_	_		PH (02) 9557 6466		02 9927 5200	
	A	2/11/23	PART 5 APPLICATION	PROJECT MANAGER	STRUCTURAL & STORMWATER	LANDSCAPE CONSULTANT	1-7 Fergerson avenue FAIRFIELD
	REV	DATE	NOTATION/AMENDMENT	LAND & HOUSING CORPORATION			2272.6 sam
			CALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE.		02 9409 3307		
			FIGURED DIMENSIONS TAKE PRECEDENCE.			02 8004 6946	Lot 14,15,16 &17 in DP. 35636

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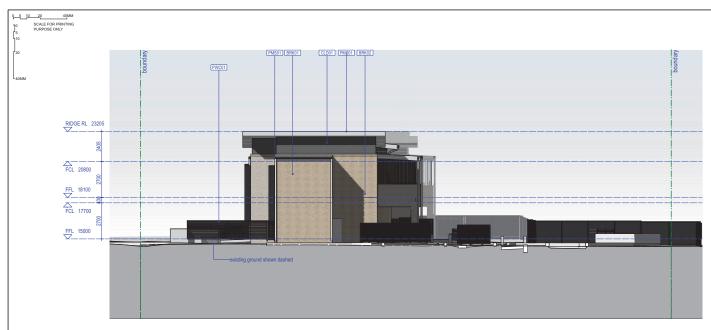
STREET ELEVATION BLOCK A & B



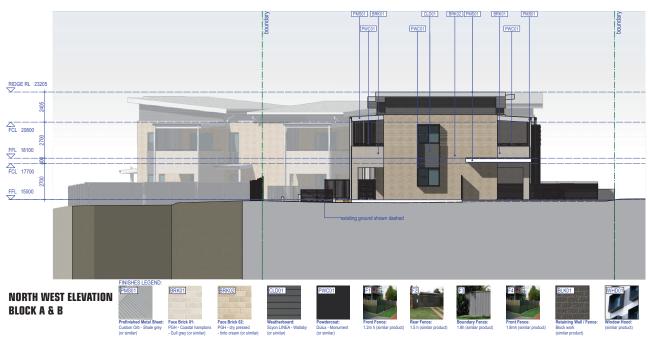


SOUTH WEST ELEVATION BLOCK A & B





SOUTH EAST ELEVATION BLOCK A & B



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Accreditation No. # BOCDQSFLPK
Property Addition.
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NSW GOVERNMENT

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2/11/23 PART 5 APPLICATION

DATE

DATE

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PROJECT ARCHITECT
KENNEDY ASSOCIATES ARCHITECTS
REDGUN
PH (32) MEZT 4468
PROJECT MANAGER
STROLCTUMMAGER
LAND & HOUSING CORPORATION
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BULLIAINS SERVICES ENGINEERS
(8SE)

1-7 Fergerson avenue F/

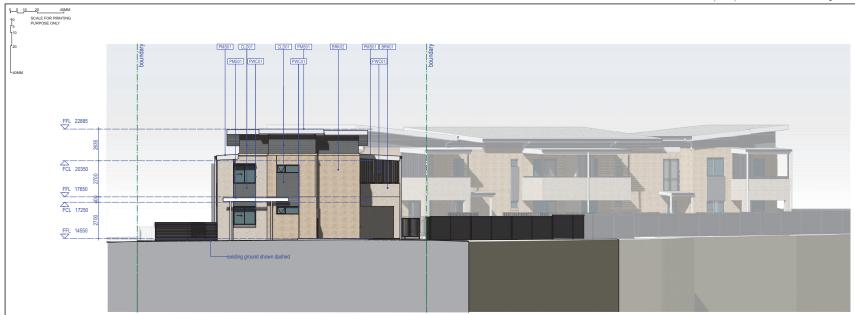
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Lot 14,15,16 & 17 in DP. 35636

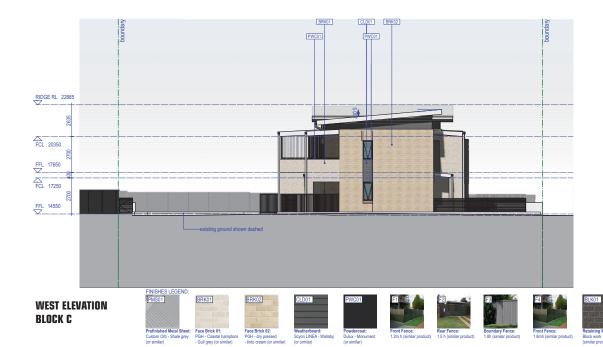


SOUTH ELEVATION BLOCK C





EAST ELEVATION BLOCK C



oduct)

HOUSE Scar	QR code or follow website	link for rating details
Assessor name Accreditation No. Property Address	eCerts Australia HERA10205 1 Fergerson Avenue, Fairfield, NSW, 2165	

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LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 8000 FAX No (02) 8753 8888 www.facs.nsw.gov.au anthony noi 6773 A 211/23 PART SAPPLICATION
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PROJECT PROJEC

PRODUCT MAGNIFECT ARCHITECTS REDGUM HORTICULTURAL

PH (80) 5805 F466

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LAND & HOUSING CORPORATION

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SERVICES CONSULTANT
BULDING SERVICES ENGINEERS
(BSE)
03 5627 2000

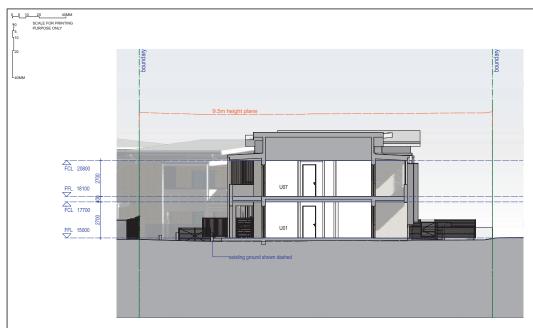
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at
1-7 Fergerson avenue FAIRFIELI

The state of the s	PART 5 APPLICATION				
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Lot 14,15,16 &17 in DP. 35636



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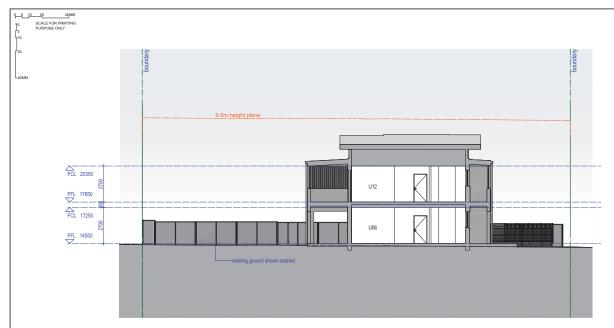
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ATED ARCHITECT:		l		PROJECT ARCHITECT
r nolan - steve kennedy				KENNEDY ASSOCIA
y nolan - steve kennedy - 5828				
- 5020				PH (02) 9557 6466
	A	2/11/23	PART 5 APPLICATION	PROJECT MANAGER
	REV	DATE	NOTATION/AMENDMENT	LAND & HOUSING
			CALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE.	

PROJECT ARCHITECT KENNEDY ASSOCIATES ARCHITECTS PH (02) 9557 6466	ASSORIST CONSULTANT RED GUM HORTICULTURAL	BULDING SERVICES ENGINEERS (BSE) 0 9827 5000	SENIORS HOUSING at
PROJECT MANAGER LAND & HOUSING CORPORATION	STRUCTURAL & STORMWATER CONSULTANT TONKIN 02 9409 3307	LANDSCAPE CONSULTANT STUDIO IZ 02 8004 6946	1-7 Fergerson avenue FAIRF 2272.6 sqm Lot 14,15,16 &17 in DP. 35636

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ATED ARCHITECT.				
y nolan - steve kennedy				
- 5828				
	A	2/11/23	PART 5 APPLICATION	
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		TONKIN	STUDIO IZ	2272.6 sqm

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VIEW 03

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PARRAMATTA NSW 2124
PHONE No (02) 8753 8000
FAX No (02) 8753 8888
www.facs.nsw.gov.su

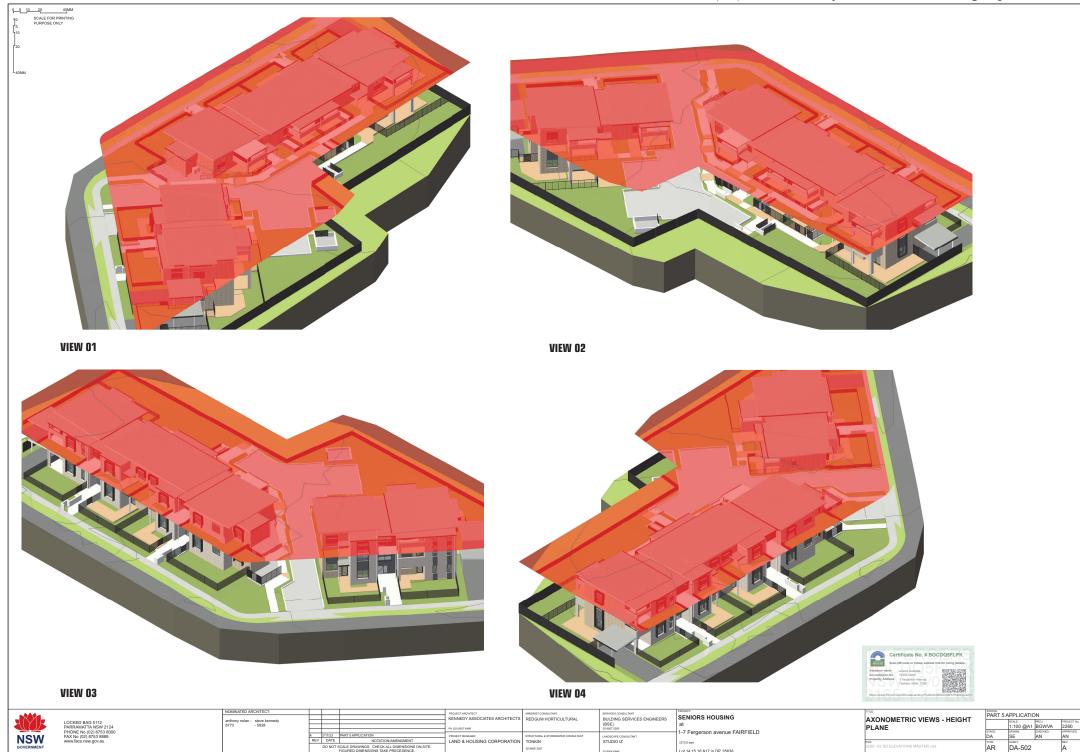
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ony nolan - steve kennedy 3 - 5828	steve kennedy	-			
			В	15/02/24	PART 5 REVISIO
			REV	DATE	
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	KENNEDY A
	TALIFFIC DIP
	PH (02) 9557 6466
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ARCHITECT EDY ASSOCIATES ARCHITECTS 87 6466	ASSIGNEST CONSULTANT RED GUM HORTICULTURAL	SERVICES CONSULTANT BULDING SERVICES ENGI (BSE) 02 9927 5300
MANAGER & HOUSING CORPORATION	STRUCTURAL & STORMWATER CONSULTANT TONKIN 02 9409 3307	LANDSCAPE CONSULTANT STUDIO IZ

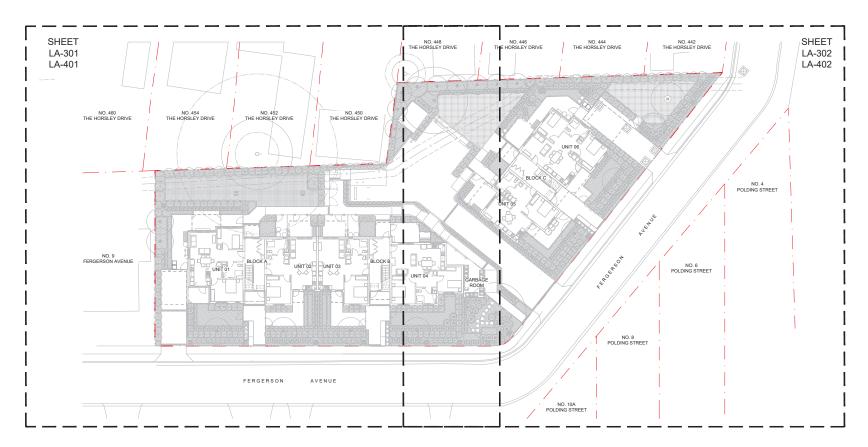
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NEERS	SENIORS HOUSING
	at
	1-7 Fergerson avenue FAIRFIELD
	2272.6 sqm
	Lot 14,15,16 &17 in DP. 35636

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1-7 Fergerson Ave, Fairfield 2165

SENIOR HOUSING DEVELOPMENT - LAHC 2021 / 16
LANDSCAPE DOCUMENTATION SET FOR PART 5 SUBMISSION



LA - 700 SPECIFICATION NOTES

DRAWING LIST

LA - 302

GENERAL ARRANGEMENT PLAN - SHEET 1

GENERAL ARRANGEMENT PLAN - SHEET 2

	COVER SHEET LEGEND, GENERAL NOTE AND PLANTING SCHEDULE		PLANTING PLAN - SHEET 1 PLANTING PLAN - SHEET 2
LA - 200	EXISTING TREES PLAN	LA - 600	TYPICAL DETAILS

06.03.2024 Issue For Part 5 Submissio 1.10.2023 Issue For Part 5 Submissio DESCRIPTION PRELIMINARY NOT FOR CONSTRUCTION SENIOR HOUSING 1-7 FERGERSON AVE, FAIRFIELD NSW 2165 ARCHITECTS STUDIO IZ ATE CREATED AUGUST 2021 LA210730 Cover Sheet

1:200

LA - 100

С

GENERAL SYMBOL NAME & DESCRIPTION SITE BOUNDARY EXISTING LEVEL / CONTOURS REFER TO SURVEY [14.96] ı + 14.95 PROPOSED SPOT LEVELS + TW 14.86 PROPOSED TOP OF WALL LEVELS

PROPOSED TOP OF KERB LEVELS

ARCHITECTURAL FINISH LEVELS

STORMWATER ENGINEER'S DRAWINGS INDICATIVE LINE OF ROOF ABOVE REFER TO ARCHITECT'S DRAWINGS

LEGEND

REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXTERNAL DESIGN LEVELS, INCLUDING KERBS, PATH, RAMPS, DRIVEWAYS, ETC.

PROPOSED SOFTWORKS

+ TK 14.30

+ FFL 14.30

PROPOSED SOFTWORKS	
SYMBOL	NAME & DESCRIPTION
От	EXISTING TREES TO BE RETAINED AND PROTECTED, TPZ / SRZ REFER TO ARBORIST'S REPORT
(o T2)	EXISTING TREES TO BE REMOVED REFER TO ARBORIST REPORT
•	PROPOSED TREES REFER TO PLANTING PLAN AND PLANT SCHEDULE
+	PROPOSED SHRUBS REFER TO PLANTING PLAN AND PLANT SCHEDULE
	PROPOSED GROUNDCOVER REFER TO PLANTING PLAN AND PLANT SCHEDULE
TU	PROPOSED TURF AS DETAILED AND SPECIFIED
	PROPOSED GARDEN BED

AS DETAILED AND SPECIFIED

PROPOSED HARDWORKS

SYMBOL	NAME & DESCRIPTION
P1	PROPOSED PAVING - TYPE 1 UNIT PAVING
P2	PROPOSED PAVING - TYPE 2 PEDESTRIAN GRADE CONCRETE FOOTPATH
	PROPOSED PAVING - TYPE 3 VEHICULAR GRADE CONCRETE DRIVEWAY WITH BROOM FINISH
0000000	PROPOSED STEPPING STONES - TYPE 1 CONCRETE STEPPER OR SIMILAR
ST2	PROPOSED STEPPING STONES - TYPE 2 CONCRETE STEPPER OR SIMILAR
as as as	PROPOSED GARDEN EDGING AS DETAILED AND SPECIFIED
[MB	PROPOSED MAIL BOX REFER TO ARCHITECT'S DETAILS
WGM	PROPOSED WATER & GAS METERS REFER TO ARCHITECT'S DETAILS
SE 🗐	PROPOSED SEATING
	PROPOSED CLOTHES LINES TO ARCHITECT'S DETAILS
	PROPOSED PIT REFER TO STORMWATER ENGINEER'S DRAWING

PROPOSED FENCE

SYMBOL	NAME & DESCRIPTION
F1	1.2M HIGH HORIZONTAL ALUMINIUM SLAT FENCE - CLOSELY SPACED FOR PRIVACY
-00000	1.5M HIGH VERTICAL ALUMINIUM SLAT FENCE - CLOSELY SPACED FOR PRIVACY
-0000	1.8M HIGH COLOURBOND BOUNDARY FENCE
-0000	1.8M HIGH HORIZONTAL ALUMINIUM SLAT FENCE - CLOSELY SPACED FOR PRIVACY

PLANTING SCHEDULE

ID	BOTANICAL NAME	COMMON NAME	POT SIZE	MATURE	SPREAD	SPACING	INDIGENOUS TO FAIRFIELD	NATIVE*	QTY
TREES	1						, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Br-ac	Brachychiton acerifolius	Illawarra Flame Tree	45lt	12m	5m	As Shown	Y		1
El-re	Elaeocarpus reticulates	Blueberry Ash	45lt	8-12m	3-5m	As Shown	Υ		17
Eu-te	Eucalyptus tereticornis	Forest Red Gum	75lt	15-35m	6-12m	As Shown	Υ		1
Ja-mi	Jacaranda mimosifolia	Jacaranda	100lt	10-15m	10m	As Shown			1
SHRUB	S								
Bo-fl	Boronia floribunda	Pale Pink Boronia	300mm	1m	1m	0.7m centres		Y	63
Ca-en	Callistemon citrinus 'Endeavour'	Bottlebrush	300mm	2-3m	2-3m	1m centres			47
Ca-gr	Callistemon viminalis 'Green John'	Green John Bottlebrush	300mm	0.6-1m	0.6m	0.5m centres		Y	29
Ce-gu	Ceratopetalum gummiferum	NSW Christmas Bush	300mm	6m	2m	As Shown		Y	1
Co-al	Correa alba	White Correa	300mm	1.5m	1m	0.7m centres		Y	49
Do-vi	Dodonaea viscosa	Hop Bush	300mm	2m	1.5m	1m centres	Υ		118
Do-ex	Doryanthes excelsa	Gymea Lily	300mm	0.9-1.2m	0.6-0.9m	1m centres	Y		21
Gr-ro	Grevillea rosmarinifolia	Rosemary Grevillea	300mm	1m	1m	As Shown		Y	72
Ku-am	Kunzea ambigua	Tick Bush	300mm	2.5m	2.5m	1.2m centres	Y		22
Ph-ru	Photinia glabra 'Rubens'	Rubens Photinia	300mm	1.5-2.5m	Trim to 1.5m	1m centres			30
Sy-re	Syzygium australe 'Resilience'	Lilly Pilly	300mm	4-5m	2-3m	1m centres		Y	36
We-fr	Westringia fruticosa	Coastal Rosemary	300mm	2m	1-1.5m	0.8m centres		Y	67
We-au	Westringia fruticosa 'Aussie Box'	Westringia Aussie Box	200mm	0.7-0.95m	0.7-0.95m	0.6m centres		Y	112
GROUN	DCOVERS & GRASSES								
An-bu	Anigozanthos 'Bush Pearl'	Kangaroo Paw	200mm	0.6-0.8m	0.5-0.7m	5/m2		Y	15
Di-je	Dianella caerulea 'Little Jess'	Dianella Little Jess	150mm	0.4m	0.4m	8/m2		Y	265
Di-li	Dianella revoluta 'Little Rev'	Little Rev Dianella	200mm	0.4m	0.4m	8/m2		Y	145
Di-re	Dichondra repens	Kidney Weed	tube	0.2m	1.5m	3/m2	Υ		48
Ha-ha	Hardenbergia 'Happy Wanderer'	Hardenbergia	140mm	0.4m	2m	0.5m centres	Y		5
Lo-li	Lomandra 'Lime Tuff'	Lomandra Lime Tuff	140mm	0.4m	0.4m	5/m2		Y	530
Th-au	Themeda australis	Kangaroo Grass	140mm	0.8m	0.3m	8/m2	Y		40
Vi-he	Viola hederacea	Native Violet	tube	0.1-0.2m	1m	3/m2	Υ		173

*Native - Australian native plants suitable to Fairfield LGA refer to Fairfield Citywide DCP Appendix F

GENERAL NOTES

- 1. ALL LEVELS SHOWN ON DRAWING, INCLUDING EXISTING LEVELS, BUILDING AND FFLS ARE BASED ON DA PLAN AND ORIGINAL SURVEY, AND ARE INDICATIVE ONLY. CONTRACTOR TO CHECK AND CONFIRM ALL EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS. REPORT ANY DISCREPANCIES OF LEVELS TO SUPERINTENDENT FOR
- GENERAL DESCRIPTION OF THE SECOND SECTION OF THE SECOND SECOND SECTION OF THE SECOND SEC
- REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR ALL STRUCTURAL DESIGN AND DETAILS.
 THIS DOCUMENTATION SET SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS INCLUDING CIVIL / ARCHITECTURAL / STRUCTURAL / SURVEY ETC.

- 4. HIS DOCUMENTATION SET SHALL BE READ IN COMUNICION WITH ALL DITHER DRAWINGS INCLUDING CIVIL / ARCHITECTURAL / STRUCTURAL / STRUCTURAL

IRRIGATION
TREES AND PLANTING BEDS IN FEATURE LANDSCAPE AREAS ARE TO BE IRRIGATED BY AN AUTOMATICALLY CONTROLLED DRIP IRRIGATION SYSTEM, OR APPROVED SIMILAR

- THE IRRIGATION SYSTEM IS TO BE ADJUSTED TO SUIT THE FOLLOWING:

 THE WATER REQUIREMENTS OF PLANT TYPES.
- THE WATER REQUIREMENTS OF PLANT TIPES.

 THE INFILTRATION RATE OF THE SOIL AS WELL AS SEASONS, EXPOSURE, TOPOGRAPHY AND ANY LOCAL AUTHORITY RESTRICTIONS.

 ADJUSTMENT OR SHUT DOWN DURING AND AFTER PERIODS OF PROLONGED HEAVY RAIN

PLANTING ESTABLISHMENT AND MAINTENANCE PERIOD
THE GENERAL APPEARANCE AND PRESENTATION OF THE LANDSCAPE AND THE QUALITY OF PLANT MATERIAL AT THE DATE OF PRACTICAL COMPLETION IS TO BE MAINTAINED FOR THE PLANTING ESTABLISHMENT PERIOD. LANDSCAPE MAINTENANCE IS TO BE UNDERTAKEN FOR A PERIOD OF 52 WEEKS FROM THE DATE OF PRACTICAL COMPLETION DURING WHICH TIME THE CONTRACT AREAS ARE TO BE

- MAINTAINED AND ANY DEFECTS
- MANTAINED AND DAY DEFECTS.

 WHICH BECOME APPARENT, ARE TO BE RECITIED. WORK IS TO INCLUDE BUT SHALL NOT BE LIMITED TO:

 WEEDING: WEEDS ARE TO BE REMOVED FROM LAWN, GARDEN BED AREAS AND PAVEMENT BY HAND OR ENVIRONMENTALLY ACCEPTABLE CHEMICAL APPLICATION.

 FERTILISING APPROVED FERTILISER TO TO BE APPLIED HAN CORDANCE WITH PLANT TYPE AND SEASONAL, GROWTH REQUIREMENTS.

 PRUNNING, PRUNNING WORKS ARE TO BE CARRIED OUT TO ENHANCE PLANT VIGOUR, MAINTAIN DENSE; FOLLAGE AND REMOVE SHE'TY HAZARDS OR DEAD AND DAMAGED MATERIAL. MAJOR

 FRETILISING TO THE PLANT OF THE PLANT HAS A CHIEVED A STABLE CONDITION.

 STAKES AND TIEST THES STANGES AND ITES ARE TO BE ADJUSTED AND SEPLACED SA FOLLIBLE CONDITION.

 INSECT AND DISEASE CONTROL. PESTS AND DISEASES THAT HAY AFFECT THE PLANTS ARE TO BE CONTROLLED BY NATURAL OR APPROVED CHEMICAL METHOD.

 HOMBING, AS REQUIRED DEPOING ON SEASONAL CONDITIONS AND TUFF HEIGHT.

 PLANT REPLACEMENT: FAILED. DEAD OR DAMAGED PLANTS ARE TO BE REPLACED WITH PLANTS OF THE SAME SPECIES AND SIDE IN SIDE OF THE SAME SPECIES AND SIDE. IN THE SAME WAY AS NEW GRASS OR PLANTING.

 WASTER REMOVAL. NO WASTE IS TO BE LET SO THE SAME SPECIES AND SIDE. IN THE SAME WAY AS NEW GRASS OR PLANTING.

 HARDWORKS: LEAVES, MILCH AND GRANIC DESIRIS ARE TO BE REMOVED FROM PAVEMENT AND DRANSE ON Y DEFECTIVE PAVEMENTS ARE TO BE TO BE REMOVED FROM PAVEMENT AND DRANSE ON Y DEFECTIVE PAVEMENTS ARE TO BE MEDIC GOOD.

 HERDING THE SAME SPECIES AND SECOND WITH PARTS FROM THE SAME SPECIES AND SECOND.

- IRRIGATION: ALL COMPONENTS ARE TO BE CHECKED FOR PROPER OPERATION. DAMAGED COMPONENTS ARE TO BE REPAIRED OR REPLACED WITH PARTS FROM THE SAME MANUFACTURER. DIRT OR FOREIGN MATTER ARE TO BE FLUSHED FROM THE SYSTEM AND ANY BLOCKAGES CLEARED

TREE PROTECTION NOTES:

- 1. THE TREE PROTECTION ZONE (TPZ) IS A RADIAL DISTANCE MEASURED FROM THE CENTRE OF THE TRUNK OF THE TREE AND CALCULATED IN ACCORDANCE WITH AS 4970-2009 (PROTECTION OF TREES ON DEVELOPMENT SITES)

- 1. THE TREE PROTECTION ZONE (TPZ) IS A RADIAL DISTANCE MEASURED FROM THE CENTRE OF THE TRUNK OF THE TREE AND CALCULATED IN ACCORDANCE WITH AS 4070-2009 (PROTECTION) OF TREES ON DEVELOPMENT SITES.

 THE TREE PROTECTION FROM THE STATE OF THE STATE OF THE STATE OF THE TREE AND CALCULATED IN ACCORDANCE WITH AS 4070-2009 (PROTECTION OF TREES ON DEVELOPMENT SITES.)

 INCURSIONS WITHIN THE SEX ARE NOT RECOMMENDE AS THE YEAR LIKELY TO RESULT IN THE SEVERANCE OF WOODY ROOTS WHICH MAY COMPROMISE THE STABILLTY OF THE TREE OR LEAD TO ITS DECLINE AND DEMISE.

 TREE PROTECTION SHALL BE IN ACCORDANCE WITH AS 4070-2009 (PROTECTION OF TREES ON DEVELOPMENT SITES.)

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 AS A MINIMUM, THE FERSE SHOULD COMSIST OF TEMPORATE OF THE MINIME PROTECTION SUPPORTED BY THE CHARGE STATES AND STREED TOGETHER AND SUPPORTED OF THE CHARGE STATES AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CHARGE STATES AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CHARGE STATES AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CURRENT OF CONSTRUCTION WHERE TREE PROTECTION ZONES MERGED TO GETER AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CURRENT OF CONSTRUCTION WHERE TREE PROTECTION ZONES MERGED TO GETER AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CURRENT OF CONSTRUCTION WHERE TREE PROTECTION ZONES MERGED TO GETER AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CURRENT OF CONSTRUCTION WHERE TREE PROTECTION ZONES MERGED TO GETER AND SHALL BE MAINTAINED IN COOLD CONDITION FOR THE CURRENT OF CONSTRUCTION WHERE TREE PROTECTION ZONES MERGED
- BRANCHES), UNDER NO CIRCUMSTANCES SHALL BRANCHES BE TORN-OFF BY CONSTRUCTION EQUIPMENT. WHERE THERE IS POTENTIAL CONFLICT BETWEEN TREE CANOPY AND CONSTRUCTION ACTIVITIES. THE ADVICE OF THE SITE ARBORIST MUST BE SOUGHT.
- 11. IN THE EVENT OF ANY TREE BECOMING DAMAGED FOR ANY REASON DURING THE CONSTRUCTION PERIOD, A CONSULTING ARBORIST (AUSTRALIAN QUALIFICATION FRAMEWORK LEVEL 5) SHALL BE ENGAGED TO INSPECT AND PROVIDE ADVICE ON ANY REMEDIAL ACTION TO MINIMISE ANY ADVERSE IMPACT. SUCH REMEDIAL ACTION SHALL BE IMPLEMENTED AS SOON AS PRACTICABLE AND CERTIFIED BY THE ARBORIST.

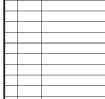
actor shall check all dimensions on site

- clarification and approval.

 All existing trees shown as retained to be protected a per arborist report and landscape specification. Refer to architects drawings for final internal footprin FFL of the proposed building.

 Refer to schmizete engineer's drawings for final location of OSD tanks, rainvaster tanks, grate drain a pits, proposed crossfall and driveway levels.

 Locate and protect all underground services prior to



PRELIMINARY NOT FOR CONSTRUCTION

07.03.2024 Issue For Part 5 Submission

06.03.2024 Issue For Part 5 Submission 1.10.2023 Issue For Part 5 Submissio

DESCRIPTION

ROJECT

DATE

SENIOR HOUSING DEVELOPMENT - FAIRFIELD

1-7 FERGERSON AVE, FAIRFIELD NSW 2165

KENNEDY ASSOCIATES ARCHITECTS



APPROVED	DRAWN
KG	RL
DATE CREATED	PROJECT NO.
AUGUST 2021	1 4240720

Legend, General Note and Planting Schedule

NTS 🚫	

LA - 101

С



EXISTING TREE SCHEDULE

ID	BOTANICAL NAME	COMMON NAME	TPZ (R)	SRZ (R)	SIGNIFICANCE	COMMENT
TREES	TO BE RETAINED					
T1	Grevillea robusta	Silky Oak	2m	1.6m	Medium	To be retained
T5	Cinnamomum camphora	Camphor Laurel	-	-	Low	In neighbouring property
T6	Melaleuca decora	White Feather Honeymyrtle	-	-	Medium	In neighbouring property
TREES	TO BE REMOVED					
T2	Lagerstroemia indica x 2	Crepe Myrtle	3.5m	1.9m	Low	To be removed
T3	Jacaranda mimosifolia	Jacaranda	5m	2.3m	Medium	To be removed
T4	Lagerstroemia indica	Crepe Myrtle	3.5m	2.0m	Medium	To be removed

Tree heights and TPZ refer to Arboricultural impact assessment prepared by Red Gum Horticultural Arboriculture & Horticulture Consultants dated 15 June 2020. Allow to demolish all tree roots for trees to be demolished and dispose properly off site

LEGEND





С	07.03.2024	Issue For Part 5 Submission

31.10.2023 Issue For Part 5 Submission DATE DESCRIPTION PRELIMINARY NOT FOR CONSTRUCTION

SENIOR HOUSING DEVELOPMENT - FAIRFIELD

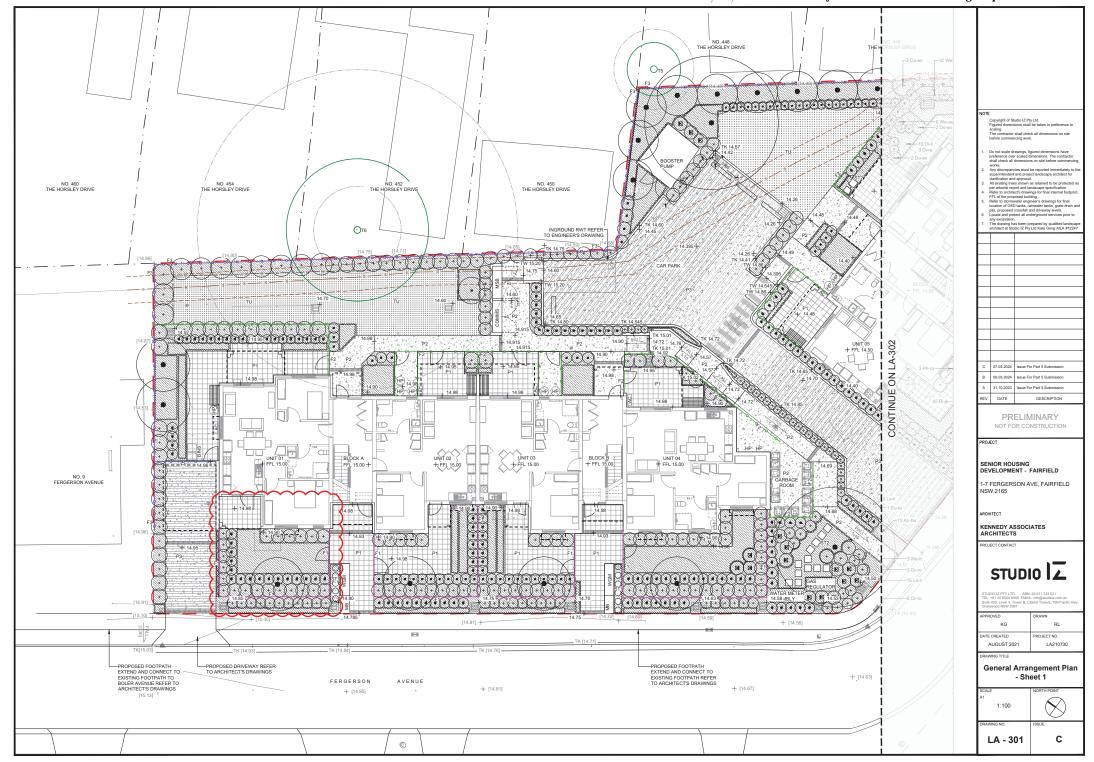
1-7 FERGERSON AVE, FAIRFIELD NSW 2165

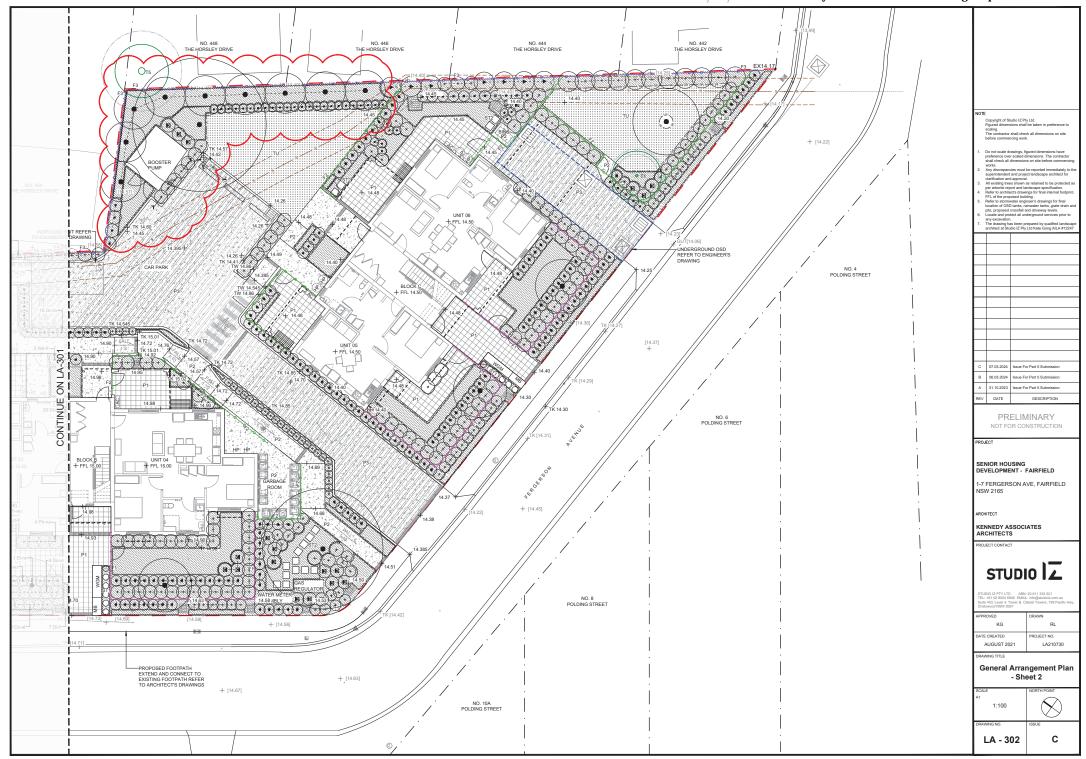
KENNEDY ASSOCIATES ARCHITECTS

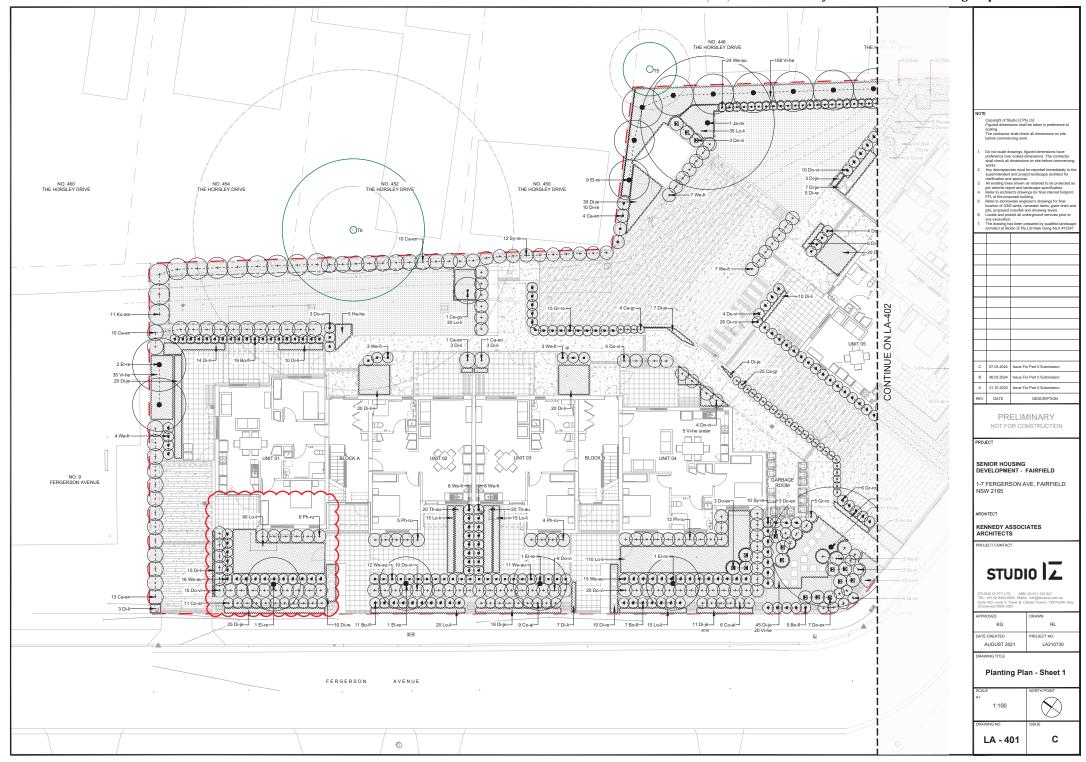
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KG	RL
DATE CREATED	PROJECT NO.
AUGUST 2021	LA210730

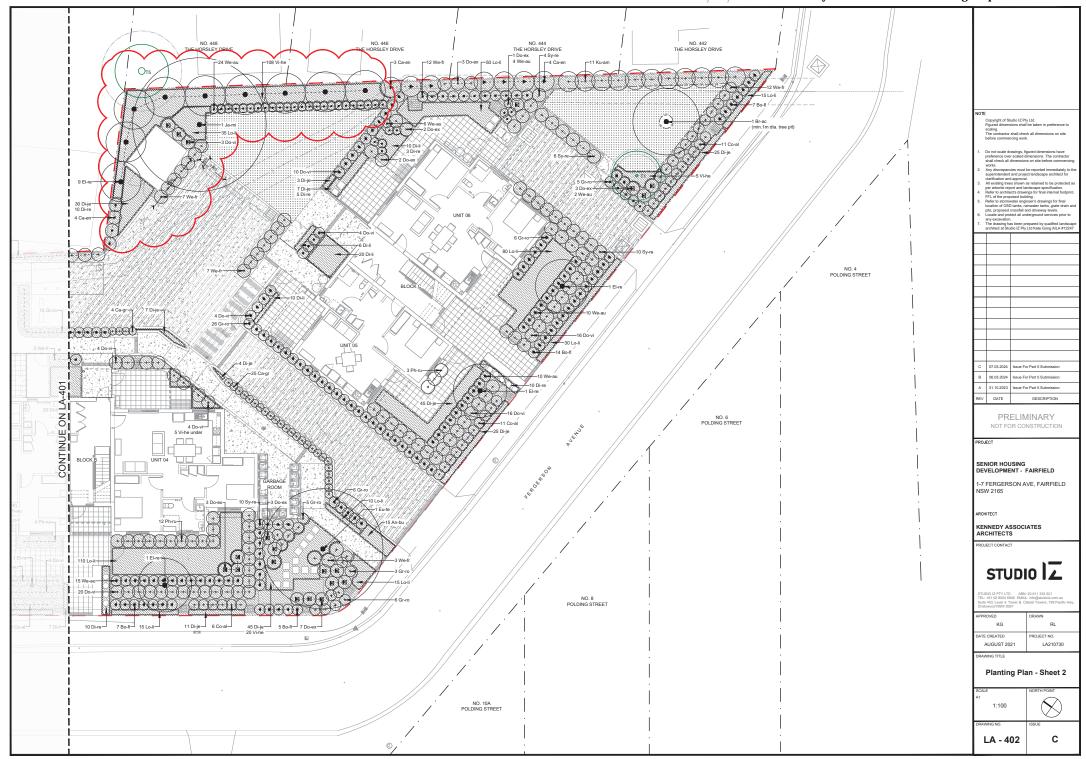
Existing Trees Plan

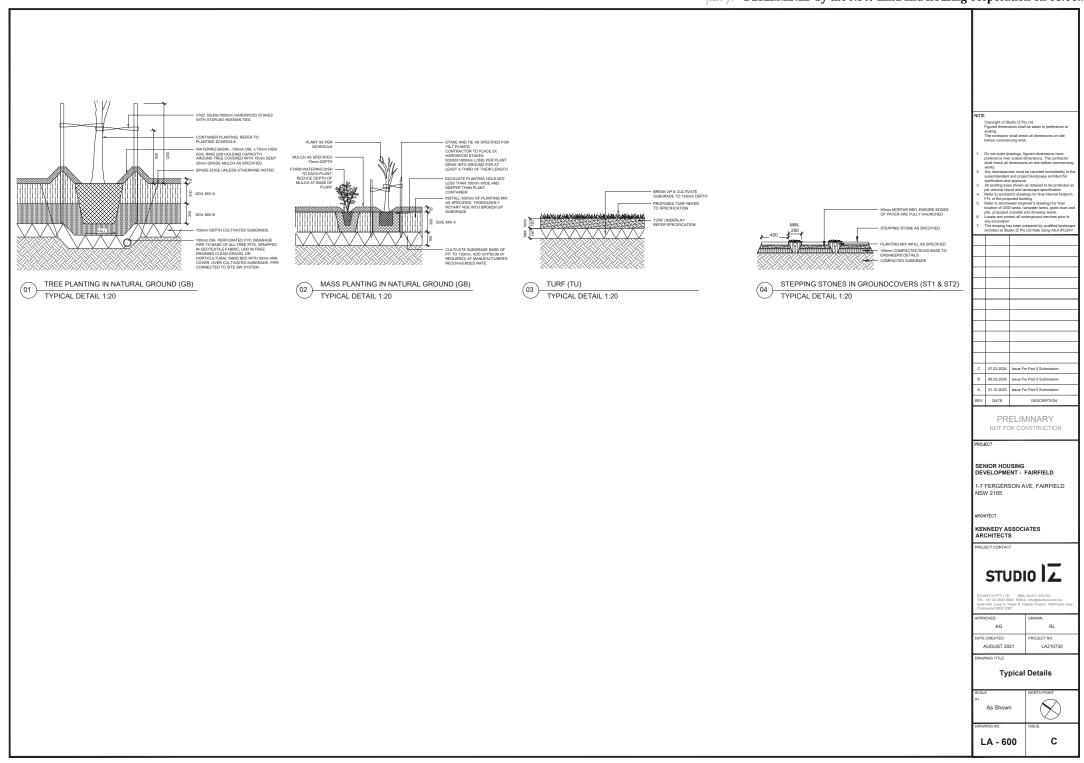
LA - 200	C
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1:200	
A1	
SCALE	NORTH POINT











SPECIFICATION NOTES

GENERAL NOTES

All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedules on the drawings. If in doubt about any detail or if conflicts are found in the documents, seek advice.

Workmanship and Materials
The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current

and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent

HARDWORKS

Furniture, Handrails, Balustrades

Supply and install the scheduled items in accordance with the manufacturer's recommendations, as detailed and in the locations shown on Provide all footings and fixings required for the items to be stable and in accordance with applicable codes. BCA.

Garden walls, fences, steps, and Edging
Construct garden walls, fences, steps, and edging as shown on plan, as detailed and of
the material scheduled. Provide footings, step nosings, to comply with BCA, Australian Standards and applicable legislation. Refer to engineer's details for structural retaining walls, heavy duty slabs, concrete stairs, concrete strength, reinforcing and joint

Continuous, Unit and Loose Pavement Install the scheduled material pavement to the locations shown on plan. Ensure that all sub-grade / subsurface works are complete prior to commencing paving. Confer with the engineer to ensure the structural integrity of the sub-grade. Ensure that the base course under paved surfaces is a continuous plane offering a constant depth of bedding material

Samples to be provided for each type of landscape material for client's approval prior to ordering and installation. Confirm with superintendent for quantity of samples to be

SOFTWORKS

Soil Testing
Where site soil is to be retrieved from and stored for reuse on site, undertake at least two (2) soil tests, in locations as advised by the Project Manager, Provide results and recommendations regarding soil additives for the benefit of healthy plant growth and to adjust the soil components to achieve an appropriate planting medium for successful plant development.

Excavate and/or fill all garden heds to bring the top of subsoil to at least 300mm below finished design soil levels. Excavate all turf areas to bring the subsoil to at least 100mm below finished design levels In all areas shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees and shrubs to be retained. Cultivate or rip the subsoil to a further depth of 100mm before placing top soil. Remove stones of size exceeding 25mm, clods of earth exceeding 50mm, an weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or existing tree roots. If necessary cultivate these areas by During cultivation, thoroughly mix in materials required to be incorporated into the subsoil, as recommended in the soil testing results and to manufacturer's recommendations. Trim the surface to design levels again after cultivation.

Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results. Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface

- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edges
 Smooth and free from inorganic matter, stones or clods of soil
 Graded to drain freely, without ponding, to catchment and/or sub-soil drains
- Graded evenly to adjoining surfaces
- Ready for planting

Non-Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Organic Garden Mix' as supplied by Australian Native Landscapes. Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Native Low 'P' Mix' as supplied by Australian Native Landscapes. Topsoil to be installed to depth of 300mm for tree and mass planting garden beds, 100mm of turf undeay should be used under turf areas

Provide in accordance with AS 4454, well rotted vegetative material or animal manure, free from

Provide proprietary fertilisers, delivered to the site in sealed containers marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses, application rates and safety procedures. Apply appropriate fertiliser suited to the provenance of plants (indigenous or included in the design.

Supply plants in accordance with the landscape design drawings and schedules, which have the

- Large healthy root systems, with no evidence of root cu, restriction or damage; Vigorous, well established, free from disease and pests, of good form consistent with the
- species/variety:
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions.
- prevailing at the site in full sun, partial shade or full shade conditions Grown in final containers for not less than twelve weeks;
- Trees, unless required to be multi-stemmed, shall have a single leading shoot; and
- Containers shall be free from weeds and of appropriate size in relation to the specified plant size

Following excavation of the planting hole, place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure that the backfill soil is not placed over the top of the root ball and that the root ball is not higher than the soil in which it is planted. Apply fertiliser, as specified around the plants in the soil at the time of

Embankment Stabilisation

Where necessary and shown on the drawings prevent soil erosion or soil movement by stabilising embankments as follows. As a minimum this should be on slopes steeper than or equal to 1:3 gradient. Stabilise embankments using biodegradable (fibre reinforced heavy weight jute fabric. Lay dabric from top to bottom of slope. Install in accordance with manufacturer's specification, including 300 x 300mm anchor trench at top and bottom of slope, backfilled with soil over the fabric and compacted into the trenches. Using U-shaped galvanised steel pegs at 1000 mm centres generally and 250mm centres at edge oveaps, secure the fabric to the prepared soil surface. Plant through the

Root Barrier

Supply and install root control barriers to all new tree plantings adjacent to walls, paths, kerbs and all service trenches, where their proximity poses a threat to the stability of the built infrastructure. Install in accordance with manufacturer's recommendations.

Unless noted otherwise, mulch shall be approved proprietary recycled wood fibre or pine bark material. Place mulch in all garden beds to a depth of 75mm after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even plane, flush with the surrounding surface evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

Pine Bark Mini Nuggets by ANL (or approved equivalent)
https://anlscape.com.au/Products/garden-mulch/pine-bark-mini-nuggets

Stakes shall be durable hardwood, straight, free of knots and twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes

- Plants (>25 lt): 1 off 38 x 38 x 1200mm;
- Semi-advanced plants (>75 lt): 2 off 50x50x 1800mm:
- Advanced (>100 lt): 3 off 50 x 50 x 2400mm

Turf shall be delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Turf shall have an even thickness, free from weeds and other foreign matter. Deliver turf to the site within 24 hours of being cut and lay it within 24 hours of delivery. Prevent it from drying

To finish flush, after lightly tamping, with adjacent finished surfaces and design levels.

- out between cutting and laying. Lay the turf in the following manner:

 In stretcher pattern, joints staggered and close butted;

 Parallel long sides of level areas, with contours on slopes; and

TifTuf Hybrid Bermuda - By Lawn Solutions (or approved similar drought tolerant species) https://lawnsolutionsaustralia.com.au/grass-type/tiftuf/

IRRIGATION

All proposed landscape areas shall be irrigated

The irrigation system shall be an automatic permanent system, with an irrigation controller self operated via a soil moisture sensor. The system shall be calibrated to deliver the optimum rate and volume of water appropriate to the type of plants in the design. The system shall be adjustable and fully serviceable. The layout of the entire irrigation system shall focus on delivering the required tary serviceater. It expound in the rains in rigiator system is lain locus or unerwring the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or completely eliminated by the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Generally do not use fine mist emitters that provide a drifting mist that may wet paths and the buildings unless specifically required by the design.

DRAINAGE

All landscape areas are to have positive drainage to SW systems. If areas of poor drainage are identified on site then this should be brought to the site superintendents attention. Install agg lines if

TREE PROTECTION NOTES

- The tree protection zone (TPZ) is a radial distance measured from the centre of the trunk of the tree and calculated in accordance with AS 4970-2009 (Protection of Trees on Development
- The Structural Root Zone (SRZ) provides the bulk of mechanical support and anchorage for a tree. This is also a radial distance measured from the centre of the trunk and calculated in accordance with AS 4970-2009 (Protection of trees on development sites).
- Incursions within the SRZ are not recommended as they are likely to result in the severance of woody roots which may compromise the stability of the tree or lead to its decline and demise.
 Tree protection shall be in accordance with AS 4970-2009 (Protection of trees on development.)
- Tree Protection Fence All trees within the site to be retained shall be protected prior to and during construction from all activities that may result in detrimental impact by erecting a suitable
- protective fence beneath the canopy to the full extent of the tree protection zone.
- As a minimum, the fence should consist of temporary chain wire panels of 1.8m in height, supported by steel stakes as required and fastened together and supported to preside sideways movement stakes corner braces where required. The fence shall be erected prior to the commencement of any work on-site and shall be maintained in good condition for the dutation of construction. Where tree protection zones merge together as single fence encompassing the area is deemed to be adequate. Existing site boundary fences may form part
- Tree Protection Signs Signs shall be installed on the tree protection fence to prevent unauthorised movement of plant and equipment or entry to the tree protection zone. The signs shall be securely attached to the fence using cable ties or equivalent. Signs shall be placed at minimum 10 metre intervals. The wording and layout of the sign shall comply with AS
- proximity to the proposed building footprint, trunk protection shall be erected around nominated trees to avoid accidental damage. The trunk protection shall consist of a layer of carpet underfelt (or similar) wrapped around the trunk, followed by 1.8m lengths of softwood timbers (90x45mm in section) aligned vertically with 2mm galvanised wire or galvanised hoop strap Recycled timber (such as demolition waste) may be suitable for this purpose, subject to the approval of the project arborist. The timber shall be wrapped around the trunk (over the carpet underfelt), but not fixed to the tree to avoid mechanical injury or damage to the trunk. Trunk protection should be installed prior to any site works and maintained in good condition for the duration of the construction period. Carpet underfelt (alone) is sufficient for trees with a trunk diametre of less than 200mm.

 Demolition and excavation within the tree protection zones of trees to be retained shall be
- undertaken under the supervision of the site arborist.
- Tree Damage Care shall be taken when operating cranes, drilling rigs and similar equipment near trees to avoid damage to tree canopies (foliage and branches). Under no circumstances shall branches be torn-off by construction equipment. Where there is potential conflict between
- tree canopy and construction activities, the advice of the site arborist must be sought.

 11. In the event of any tree becoming damaged for any reason during the construction period, a consulting arborist (Australian Qualification Framework Level 5) shall be engaged to inspect and provide advice on any remedial action to minimise any adverse impact. Such remedial action shall be implemented as soon as practicable and certified by the arborist.

LANDSCAPE MAINTENANCE

The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period. Unless contracted works under informal use for the duration or the contract periods. Elability Period. Orness contracted otherwise, the Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 52 weeks from Practical Completion of the works. The landscape maintenance works shall include, but not be limited to:

- Insect and pest control
- Fertilising
 Maintaining and removing stakes and ties
- Maintaining mulch
- Mowing and ton dressing Irrigation and watering
- · Weed and rubbish removal

Implement and keep a maintenance log book recording when and what maintenance work has been undertaken and what materials, actions and decisions have been used, implemented and concluded to keep the landscape always looking its best. Enter data daily and review information every 2 weeks.

Observe trends and develop a maintenance regime around seasonal and observed event

Maintenance Activities

During the defects maintenance period schedule the following activities to occur on a timely basis

- Plant replacement Replace plants that have failed to mature, die or are damaged Replacement plants shall be in a similar size and quality and identical species or variety to the plant that has failed. Replacement of plants shall be at the cost of the landscape contractor unless advised otherwise. If the cause of the failure is due to a controllable situation then correct the situation prior to replacing plants. Observe and replace failed plants within 2 weeks of
- Pruning Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to achieve the shape and form expected of the plant type. Observe daily and prune plants on a needs basis.
- Insect, disease and pest control Avoid spraying:
 a. if ever possible
 b. in wet weather or if wet weather is imminent

- c if target plants are still wet after rain
- d. in windy weather
 e. if non-target species are too close

Immediately report to the Project Manager any evidence of intensive weed infestation, insect attack or disease amongst plant material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with herbicide, insecticide, fungicide as appropriate in accordance with the manufacturers' recommendations. Observe daily and act as necessary to control any infestation or disease. Record in the logbook all relevant details of spraying activities including:

a. Product brand / manufacturer's name

- b. chemical / product name c chemical contents
- e. date of application and location
- f. results of application, and g. use approval authority
- Fertilising Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions and recommendations. Apply 6-12 monthly. Record in the logbook
- all relevant details of fertilising including: a. Product brand / manufacturer's name
- b Fertiliser / product name
- Application quantity and rate, and
 Date of application and location
- Stakes and ties Adjust and replace as required to ensure plants remain correctly staked Remove those not required at the end of the planting establishment period (Defects Liability Period). Inspect and act at least every 2 weeks.
- Maintaining mulch Maintain the surface in a clean, tidy and weed free condition and reinstate the mulch as necessary to ensure correct depth as specified. Observe weekly and replenish mulch as required
- Mowing and top dressing Mow the turf to maintain a grass height of between 30-50mm. Do not remove more than one third of the grass height at any one time. Remove grass clippings from the site after each Top dress to a maximum of 10mm to fill depressions and hollows in the surface. Mow weekly/fortnightly in warmer months. Mow monthly or as required in cooler months
- Irrigation and watering Maintain the irrigation system to sure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. Adjust and calibrate as required. Provide additional watering, if necessary but inspect irrigation weekly and
- Erosion control Where necessary, maintain the erosion control fabric in a tidy and weed free condition and reinstate as necessary to ensure control measures are effective where deemed necessary. Inspect every 2 weeks and act to repair any damage as soon as possible.
- Weeding and rubbish removal During the plant establishment period remove by hand, rubbish and weed growth that may occur or re-occur throughout all planted, mulched and paved areas. The contractor shall target weeds that are capable of producing a major infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set. Constant observation and removal of weeds is essential.

Copyright of Studio IZ Pty Ltd. Figured dimensions shall be taken in preference to ractor shall check all dimensions on site

- shall cack at american's not size decree commencing. Any discrepanises must be reported immediately to it superintendent and project isotropic architect for superintendent and project isotropic architect for superintendent and project isotropic architect for per arborat report and lamindrape specification. PR-L of the proposed building. PR-L of the project develope for first information project project for the project for location of CSD banks, rainwater banks, gaine dain and pils, proposed crossful and driveway levels. Locate and protect all underground extrems part of the contract of the contrac

- 07.03.2024 Issue For Part 5 Submission 06.03.2024 Issue For Part 5 Submission

1.10.2023 Issue For Part 5 Submission DATE DESCRIPTION **PRELIMINARY** NOT FOR CONSTRUCTION

SENIOR HOUSING DEVELOPMENT - FAIRFIELD 1-7 FERGERSON AVE. FAIRFIELD

NSW 2165

KENNEDY ASSOCIATES

ARCHITECTS



APPROVED	DRAWN
KG	RL
DATE CREATED	PROJECT NO.
ALIGUST 2021	I A210730

Specification Notes

NT С **LA-700**

1-7 FERGERSON AVENUE, FAIRFIELD NSW 2165 NSW LAND & HOUSING COPORATION SENIOR HOUSING DEVELOPMENT LOT 14,15,16 & 17 IN DP 35636

DRAWING SCHEDULE



-OCATION PLAN

VEYED:TTS
VEY DATE:09.06.2020
ROVED / PROJECT LEADER A1

SCALE: N.T.S.

SHEET SIZE

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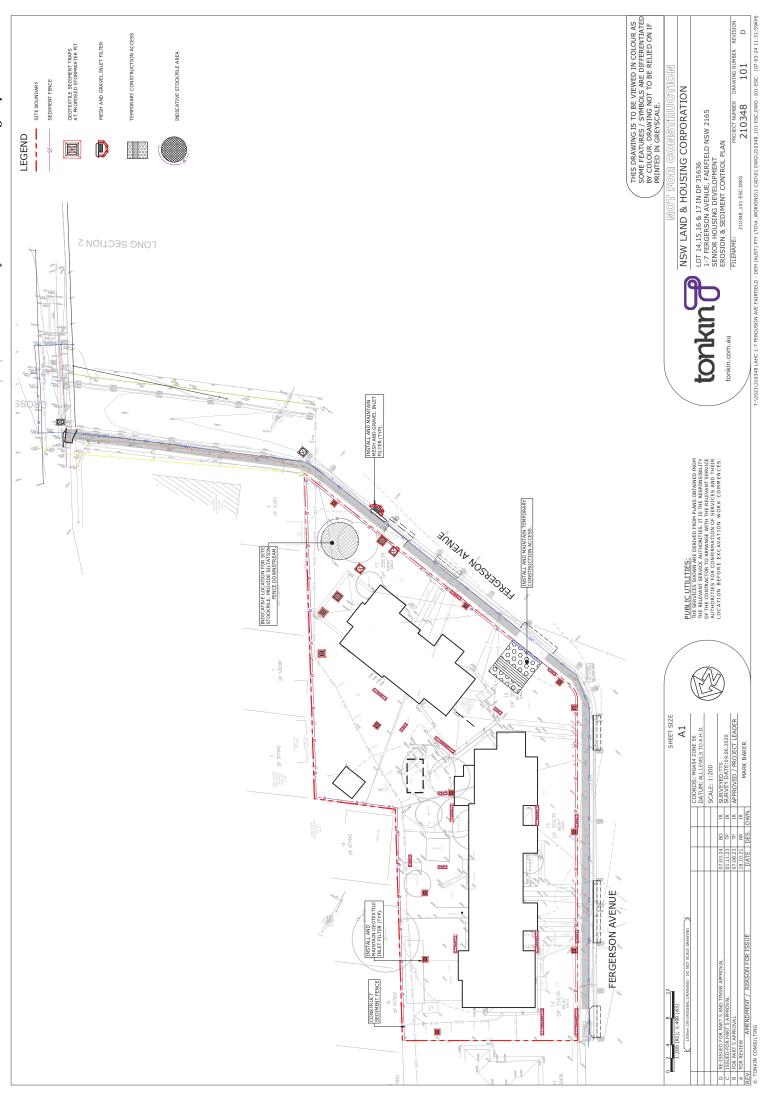
NSW LAND & HOUSING CORPORATION

LOT 14,15,16 & 17 IN DP 35636 1-7 FREGERSON AVENUE, FAIRTELD NSW 2165 SENIOR HOUSING DEVELOPMENT LOCATION PLAN & DRAWING SCHEDULE

210348

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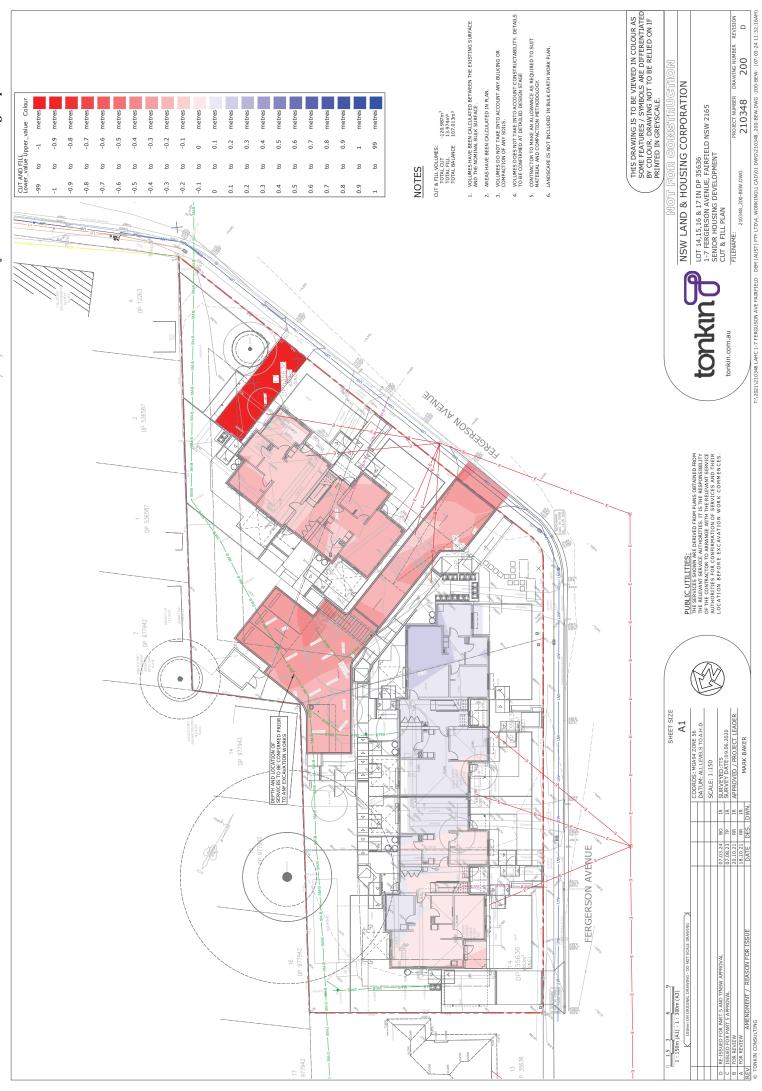


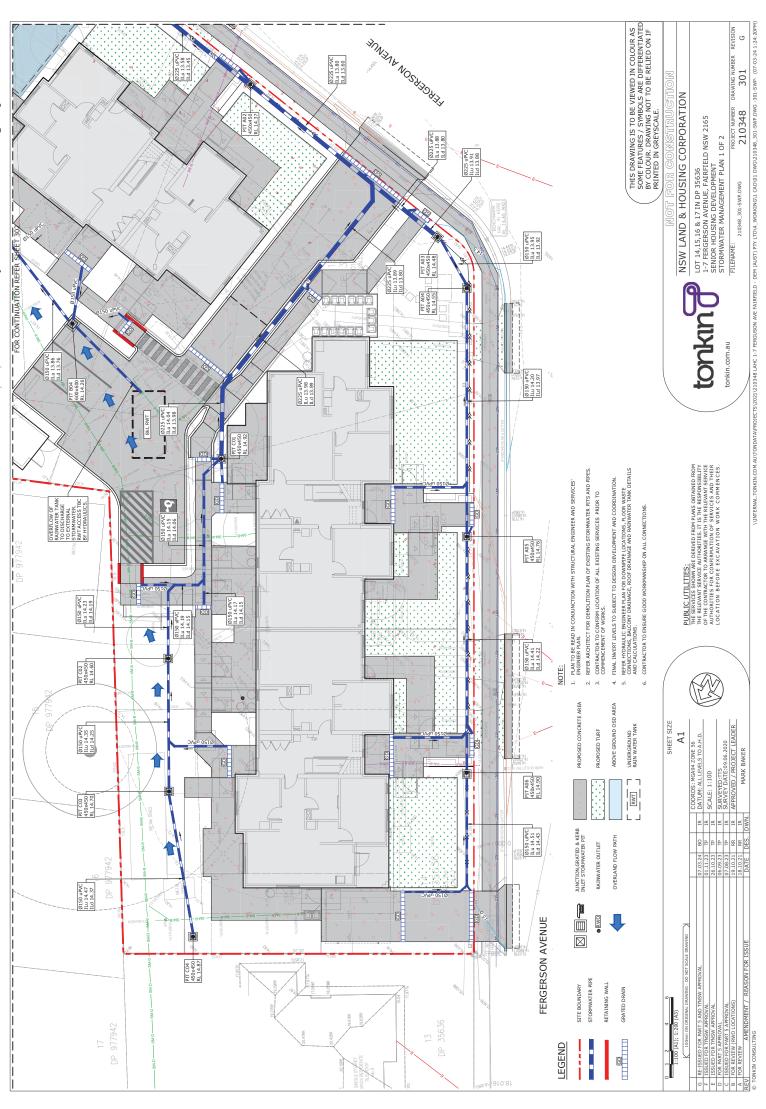
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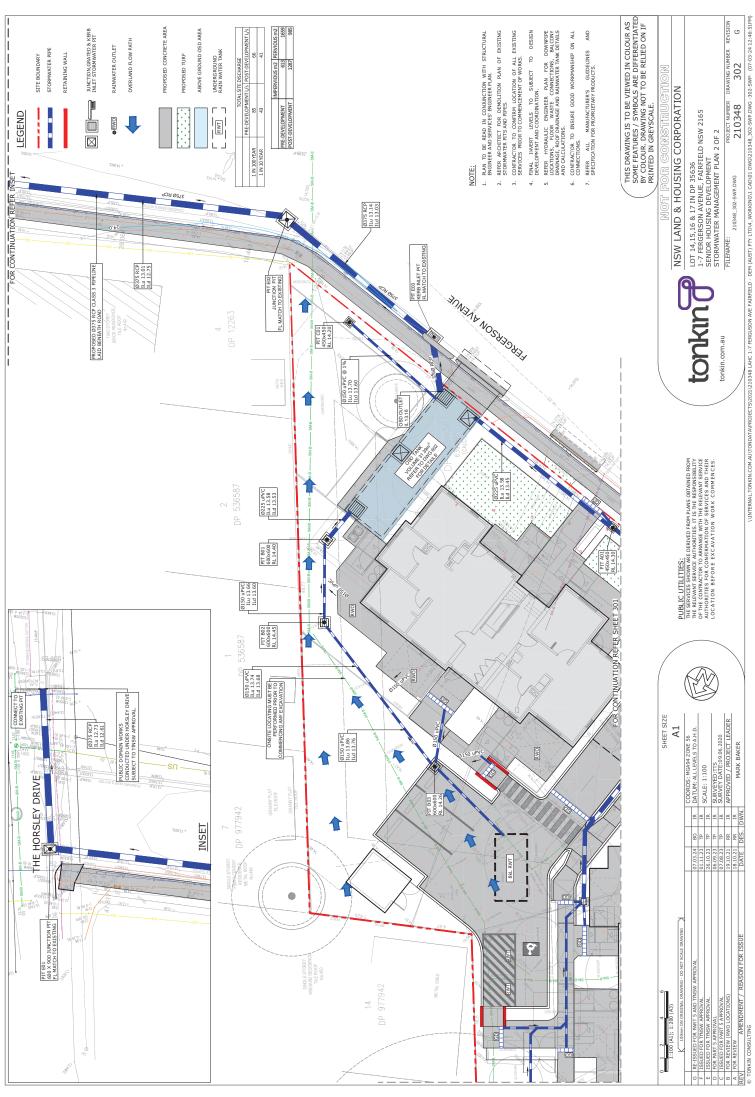
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NSW LAND & HOUSING CORPORATION

LOT 14,15,16 & 17 IN DP 35636
1-7 FREGESON AVENUE, FARFIELD NSW 2165
SENIOR HOUSING DEVELOPMENT
STORMWATER LONGITUDINAL SECTIONS

PROJECT NUMBER DRAWING NUMBER REVISION

310

210348

210348_310-SWL.DWG tonkin.com.au

EXISTING PIT ON HORSLEY DRIVE EX. PIT 375 RCP CLASS 3 1.04% E01 □ SURFACE LEVELS TO BE CONFIRMED AT DETAILED DESIGN STAGE. 375 RCP CLASS 3 1 in 10 HYDRAULIC GRADE LINE (50%) 13.12 13.34 E02 1 in 10 HYDRAULIC GRADE LINE (75%) 375 RCP CLASS 3 0.65% LINE E SCALE 1: 200H 1:50V 10.00 E03 PIPE DIA (mm)
PIPE TYPE & CLASS
PIPE GRADE (%) DRAIN INVERT LEVEL 10% AEP HGL (75%) 10% AEP HGL (50%)

DESIGN SURFACE LEVEL

Datum RL

CHAINAGE

1. 50% AND 75% REFER TO PERCENTAGE HGL AT THE RECEIVING PIT ON HOSSLEY OF PURCE (EF YIT) NONIMATIES AS THE DOWNSTREAN YALWATER CONTROL, THE % MEASUBENENT IS FROM THE INVERT OF THE PIT TO THE PIT SURFACE RI.

FOR PRE VS POST CALCULATIONS AND PROPOSED OSD LOCATION, REFER TO SWP-302.

SHEET SIZE A1 COORDS: MG494 ZONE 56
DATUM: ALL LEVELS TO A.H.D.
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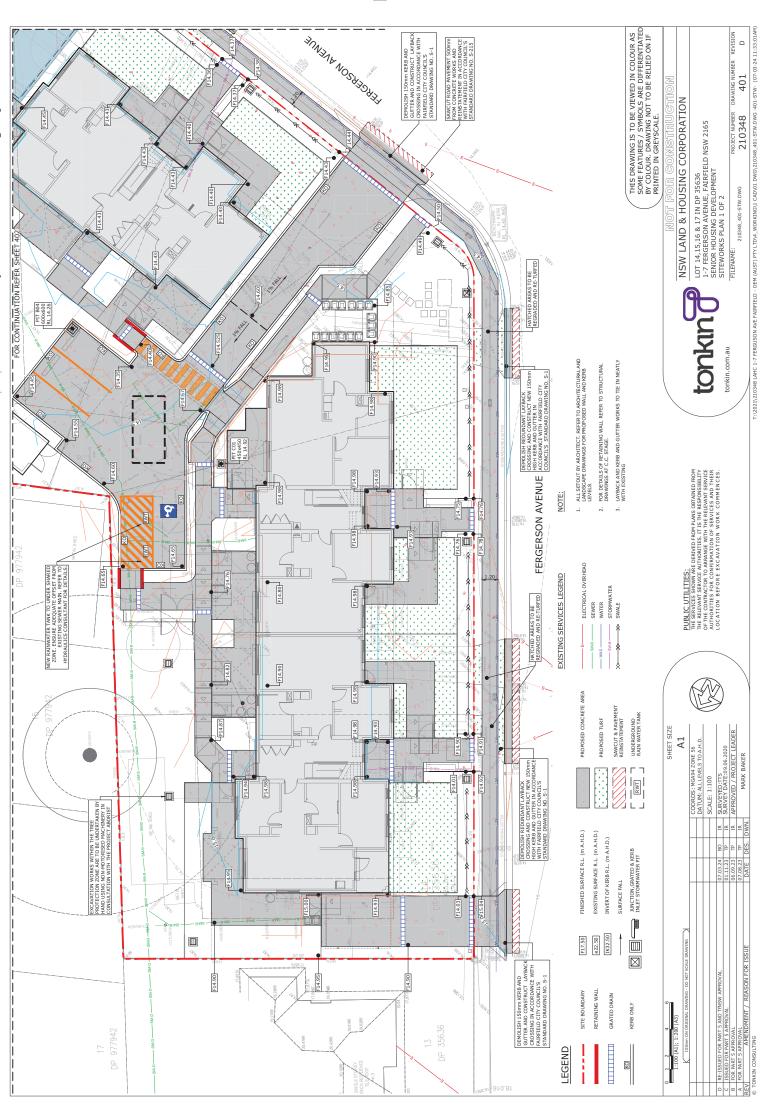
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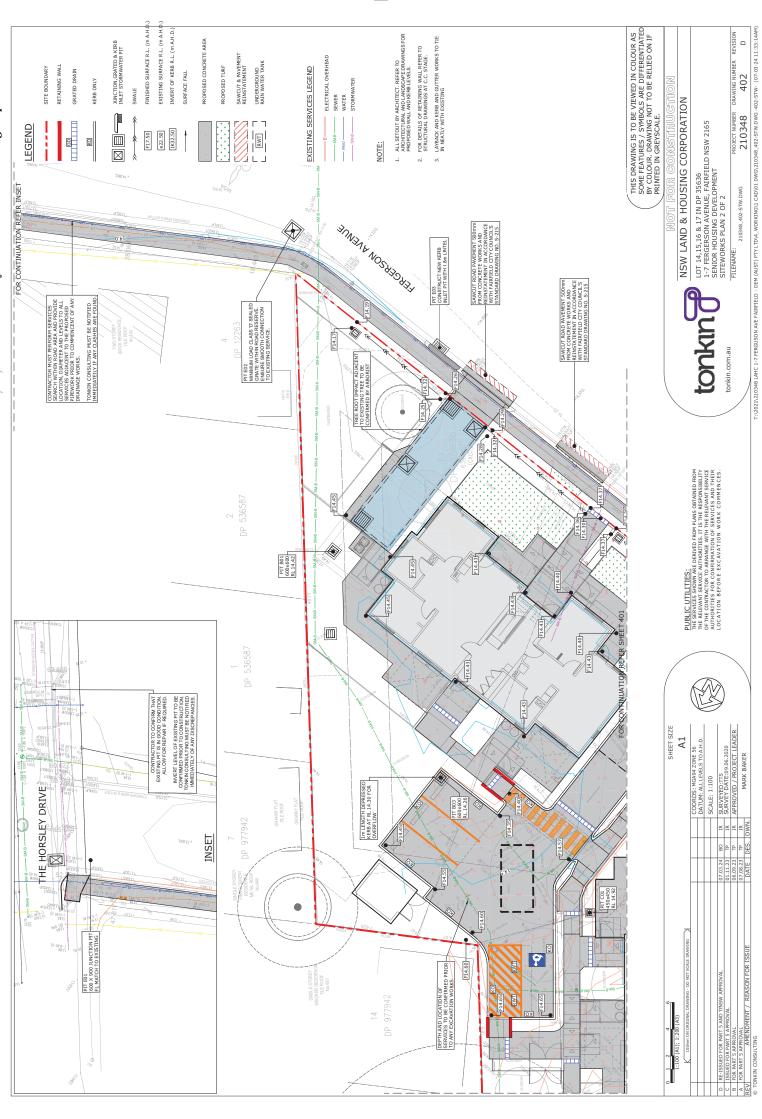
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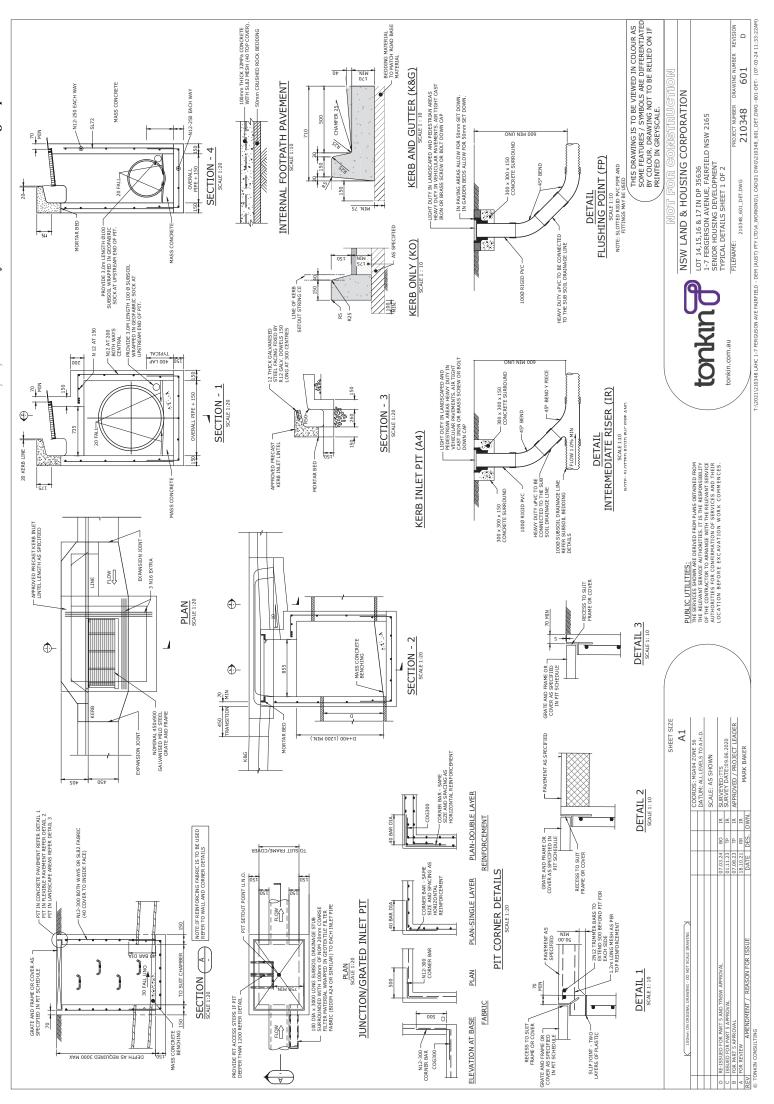
REV. AMENDMENT 7 REASON FOR ISSUE

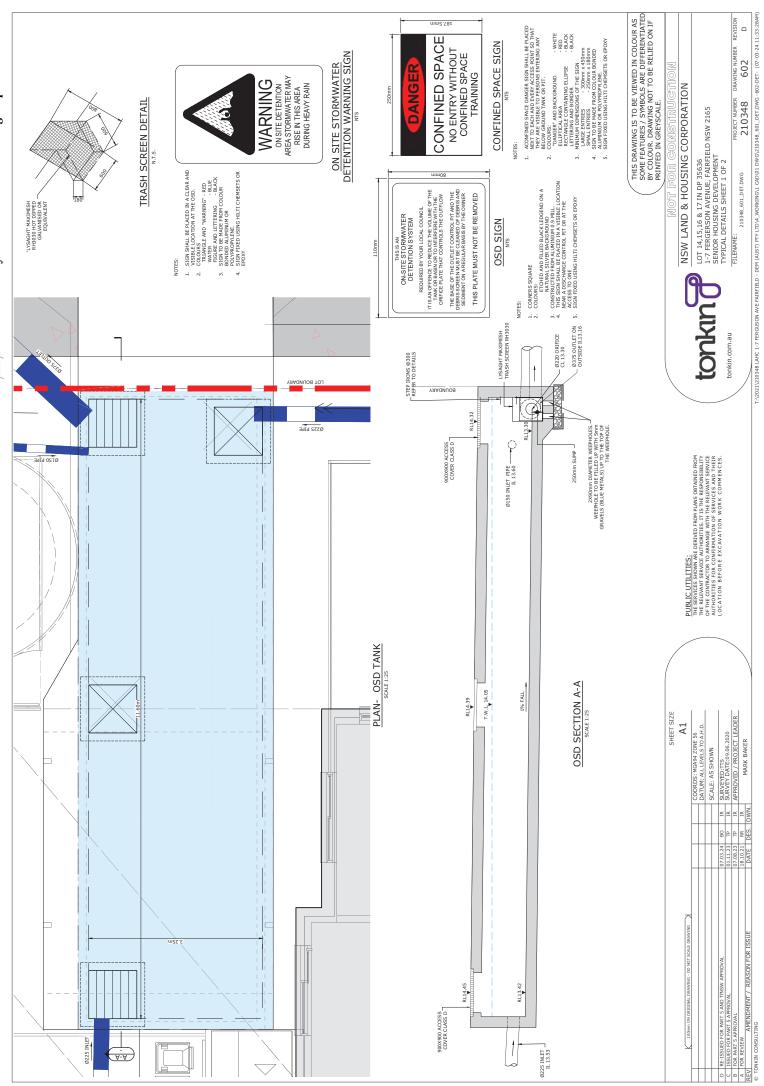
® TOWNEN CONSULTING

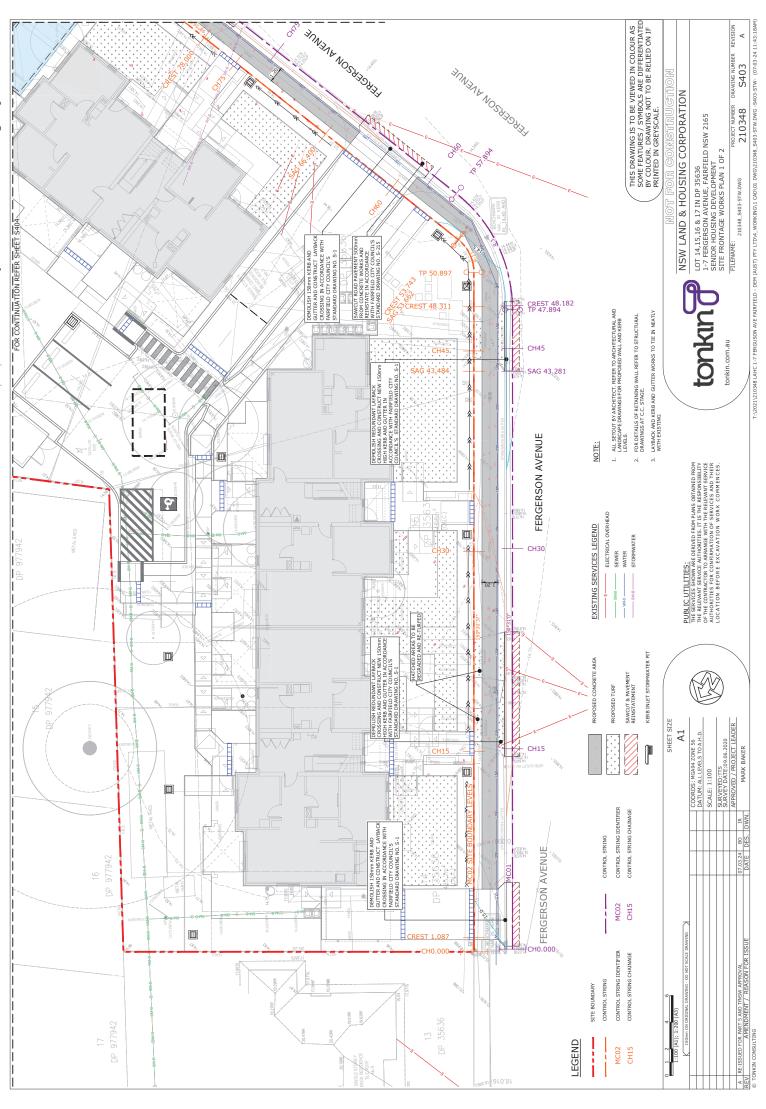
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THE RELEVANT SENDING ANTHORITIES. IT IS THE RESONDIBILITY
OF THE COUNTACTOR TO ARRANGE WITH THE RELEVANT SERVICE
AUTHORITIES FOR COMEINATION OF SERVICES AND THER
LOCATION BEFORE EXCAVATION WORK COMMENCES.

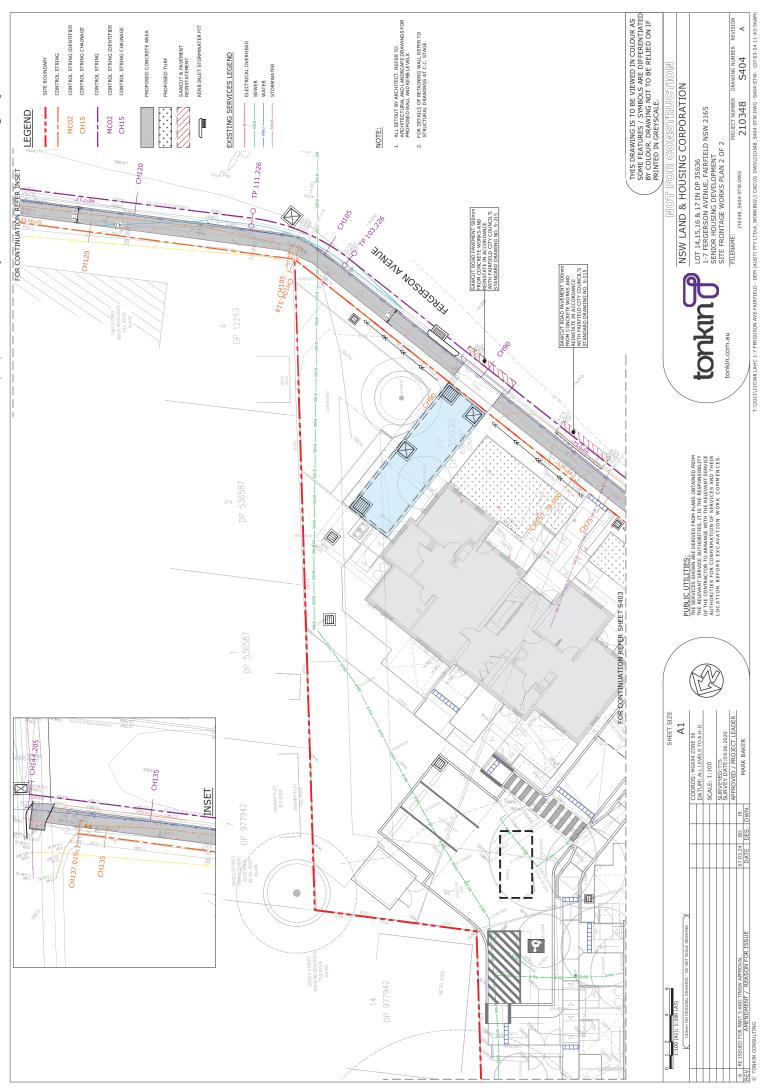












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NSW LAND & HOUSING CORPORATION

LOT 14,15,16 & 17 IN DP 35636
1-7 FREGRESON AVENUE, FAIRFIELD NSW 2165
SENIOR HOUSING DEVELOPMENT
LONGITUDINAL SECTIONS MCO2 - SITE BOUNDARY

210348

DRAWING NUMBER REVISION ⋖ S431

FILENAME:	

MARK BAKER

SHEET SIZE A1

13.921 13.909 13.943 220.0 \$20.0-

111.41 14.152 14.103 850.0 800.0-104.514 104.514

14.231 14.331 001.0 026.28

104,41 104,61 104,61 104,61 104,61 104,41 876.41 876.41 876.41 876.41 982.41 982.41 982.41 983.41 983.41

-0.63%

-0.86%

HORIZ. GEOMETRY VERTICAL CURVE

DATUM RL 8

WAE LEVEL

09559##1380 CH699928V0

1960.870 RL14.401 RL14,514 RL14,530 RL14,530 RL14,779 RL14,446,836 RL14,446,8336 RL14,64,8336 RL14,64,8336

287###080∆ \$080####080±

1P33.304 RL14.768

1P15.000 RL14.925

135.000 135.019

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000.0£ \$0£.££

12.000

CHAINAGE

CUT (+) FILL (-)

EZ0.0 071.58

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000.24 000.24 000.28 677.12 768.02 896.84 000.24 000.24

14.744

148.41 ₽80.0-

EXISTING

DESIGN LEVEL

LONGITUDINAL PROFILE - MC02 SITE BOUNDARY LEVELS
HORIZONTA SCALE 1: 500
VERTICAL SCALE 1: 100

PUBLIC UTILITIES:
THE RELEVANT SHOWN HER DERIVED FROM PLANS GBTAINED FROM THE RELEVANT SERVICE ALTHORITIES. IT IS THE RESPONSIBILITY OF THE COUNTACTOR TO REAVANGE WITH THE RELEVANT SERVICE ALTHORITIES FOR CONFIGNATION OF SERVICES AND THEIR ALTHORITIES FOR CONFIGNATION OF SERVICES AND THEIR LOCATION BEFORE EXCANATION WORK COMMENCES.

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