

## **ACTIVITY DETERMINATION**

DETERMINED by the New South Wales Land & Housing Corporation on: 2/9/2022

#### Conflict of Interest<sup>1</sup>

In this matter:

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

el. l.
Signed
Emma Nicholson

2/9/2022 Dated.....

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	
21-23	Phillips Ave	
5	Richardson Ave	
Suburb, town or locality Regents Park NSW		Postcode 2143
Local Government Area(s)	Real property description (Lot and DP	)
Cumberland City Council	Lots 53, 54 and 55 in DP 35559	

#### ACTIVITY DESCRIPTION

Provide a description of the activity

Demolition of an existing dwelling house and associated structures, removal of trees and the construction of a seniors housing development comprising 6 x 1 bedroom and 6 x 2 bedroom dwellings, associated landscaping and fencing, parking for 6 cars and consolidation of 3 existing parcels into a single lot.

<sup>1.</sup> 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.

DETERMINED by the New South Wales Land & Housing Corporation on:

Activity Determination 21-23 Phillips Avenue & 5 Richardson Avenue, Regents Park

ela

Signed.....

2/9/2022

Dated.....

Emma Nicholson A/Head of Policy and Innovation Land and Housing Corporation

### SCHEDULE 1

#### IDENTIFIED REQUIREMENTS

#### PART A – Standard identified requirements

#### THE DEVELOPMENT

The following identified requirements have been imposed to ensure that the development activity is carried out in accordance with the plans / documents and any amendments approved under Part 5 of the Environmental Planning & Assessment Act 1979.

1. The development must 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 / Document Ref	Revision / Issue:	Date [dd/mm/yyyy]:	Prepared by:
Architectural				1
Cover Sheet	1 of 14	2	08/11/2021	Barry Rush & Associates Pty Ltd
Site Analysis	2 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Demolition Plan	3 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Site and Ground Floor Plan	4 of 14	4	16/02/2022	Barry Rush & Associates Pty Ltd
First Floor Plan	5 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Roof Plan	6 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Elevations	7 of 14	2	12/11/2021	Barry Rush & Associates Pty Ltd
Sections	8 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Shadow Diagrams 21 <sup>st</sup> June (mid-Winter)	9 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Views from Sun Diagrams 21st June (mid-winter)	10 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
External Colour Schedule	11 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Photomontage	12 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Block Plan	13 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Areas of Excavation and Fill	14 of 14	1	26/10/2021	Barry Rush & Associates Pty Ltd
Civil/ Stormwater		-		
Civil Engineering Package Siteworks & Stormwater	C04.01	E	30.05.2022	Northrop

#### Activity Determination 21-23 Phillips Avenue & 5 Richardson Avenue, Regents Park

Title / Name:	Drawing No / Document Ref	Revision / Issue:	Date [dd/mm/yyyy]:	Prepared by:
Architectural				
Management Plan				
Civil Engineering Package Details - Sheet 01	C07.01	D	13.09.2021	Northrop
Public Domain Works	C51.01	02	28.10.2021	Northrop
Cover Sheet, Drawing Schedule and Locality Plan				
Public Domain Works Specification Notes - Sheet 01	C51.11	02	28.10.2021	Northrop
Public Domain Works Specification Notes - Sheet 02	C51.12	02	28.10.2021	Northrop
Public Domain Works Sediment Erosion Control Plan	C52.01	02	28.10.2021	Northrop
Public Domain Works Sediment Erosion Control Details	C52.11	01	28.10.2021	Northrop
Public Domain Works Siteworks & Stormwater Management Plan	C54.01	02	28.10.2021	Northrop
Public Domain Works Catchment Plan	C55.01	02	28.10.2021	Northrop
Public Domain Works Stormwater	C55.11	02	28.10.2021	Northrop
Public Domain Works Details Sheet	C57.01	02	28.10.2021	Northrop
Landscape				
Landscape Plan	1 of 2	F	02/06/2022	Greenland Design Pty Ltd
Landscape Details and Specification	2 of 2	F	02/06/2022	Greenland Design Pty Ltd
Survey	-			
Plan Showing Detail and Levels	1 of 3	2	26/11/2020	YSCO Geomatics
Bus Stop (Plan View)	2 of 3	2	26/11/2020	YSCO Geomatics
Bus Stop Longitudinal Sections	3 of 3	2	26/11/2020	YSCO Geomatics
BASIX			a / / / / a = = :	
BASIX Certificate	1142663M_02		8/11/2021	Building Sustainability Assessments
NatHERS Certificate	0005307700		8/11/2021	Building Sustainability Assessments
Keports			Mauch 2021	
Assessment			March 2021	Apex Engineers
Arboricultural Impact Assessment			23/11/2020	Creative Planning Solutions
Waste Minimisation and Management Plan			14/12/2020	Barry Rush & Associates Pty Ltd
Access Assessment			30/11/2020	BCA Logic
Site Investigation Report			30/01/2015	SMEC Testing Services
BCA Design Compliance Assessment			27/10/2021	BCA Vision

- **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 complied with.
- **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 approval must be consolidated into a single lot. The plan of consolidation must be lodged at the NSW Land Registry Services and be registered prior to occupation of the development. A copy of the registered plan is to be provided to the Land & Housing Corporation.

#### **OPERATIONAL MATTERS**

These identified requirements pertain to the use of the site and have been imposed to ensure that the development and its operation do not interfere with the amenity of the surrounding area.

#### Stormwater Run-off

- **6.** Stormwater is to be collected within the site, and conveyed in a pipeline to the appropriate gutter or drain under the control of the council for the area substantially in accordance with the approved concept stormwater drainage plans.
- **7.** Alterations to the natural surface contours or surface absorption characteristics must not impede, increase or divert natural surface water runoff, so as to cause a nuisance to adjoining property owners.
- **8.** All driveways are to be graded in such a manner as to provide continuous surface drainage flow paths to 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.** A concrete vehicular crossing(s) and layback(s) must be provided at the entrance(s) / exit(s) to the property. The crossing(s) and layback(s) must be constructed in accordance with the council for the area's standard requirements for residential crossings. Council shall be provided with plans for the crossing(s) and layback(s) together with the payment of any council inspection fees.
- **11.** Particular care should 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 layback / driveway is to be borne by the Land & Housing Corporation. Obsolete gutter laybacks are to be constructed as kerb in accordance with the respective 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 must 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 demolition / construction works are to be maintained during the entire period of the works until 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 to be sited well clear of any easements affecting the allotment. The builder shall ascertain if any easements do exist and if so 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 is to be inspected by a suitably qualified person to identify any contaminated or hazardous material present. A proposal for remediation is to be prepared, which may include preparation of a Remedial Action Plan, and remediation is to be carried out in accordance with the proposal. A Validation Report, prepared in accordance with Environment Protection Authority requirements, is to 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 is to be provided to the Land & Housing Corporation on completion of the remediation works.

#### Landscaping

- **18.** Landscaping is to be carried out substantially in accordance with the approved landscape plan(s) and maintained for a period of 12 months by the building contractor. The council for the area is to 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 Council and provide a copy 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 Arborist report and no other trees shall be removed without further approval(s).

#### Fencing

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

#### **Provision of Letterbox Facilities**

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

#### Public Liability Insurance

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

#### Long Service Levy

**24.** The long service levy shall be paid by the Land & Housing Corporation to the Long Service Payments Corporation in accordance with the Building & Construction Industry Long Service Payments Act 1986 prior to the commencement of any building and construction works.

Note:

Where approval has been granted for development by a Crown body other than a council, the amount payable is 0.35% of the contract inclusive of GST.

(Deleted)

#### Service Authority Clearances

**25.** A compliance certificate, or other evidence, shall be obtained from the relevant water utility provider (e.g. the local council for the area, Hunter Water or 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.

- **26.** 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.
- **27.** 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.
- **28.** 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 is to be obtained prior to work commencing.

#### **Utilities Service Provider Notification**

**29.** The demolition / 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.

#### Disconnection of Services

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

#### Demolition

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

#### Note:

Any buildings constructed before 1987 is assumed to contain asbestos.

#### Stormwater Disposal

- **35.** 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 (eg the Upper Parramatta River Catchment Trust On-site Detention Handbook) and/or the council for the area's drainage code.
- **36.** 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.

#### **Council Notification**

**37.** The council for the area shall be advised in writing, of the date it is intended to commence work, including demolition. A minimum period of **five (5)** working days notification shall be given.

#### Landfill

- **38.** Where site filling is necessary, a minimum of 95% standard compacting must be achieved and certified by a NATA registered Soils Lab.
- **39.** 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.

#### **Site Facilities**

- **40.** 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 the council for the area 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 are not to be placed on any property other than that which this approval relates to.
- **41.** Access to the site is to be provided only via an all weather driveway on the property and is not to be provided from any other site.

#### Site Safety

- **42.** A sign must be erected in a prominent position on any site on which demolition 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.

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

#### Note:

Approval from the relevant roads authority 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.

**44.** Building materials are not to be stored on the council for the area's footpath or roadway.

#### **Protection of Trees**

**45.** Trees and other vegetation that is to be retained on site are to 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

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

#### **DURING DEMOLITION / CONSTRUCTION**

The following identified requirements are to be complied with whilst works are occurring on the site.

#### Heritage

- **47.** Historic and indigenous archaeological sites and relics are protected under the *Heritage Act 1977* and *National Parks and Wildlife Act 1974,* respectively. Should any relics be uncovered during the course of the approved works, work must cease immediately in the affected area. Subsequently, in cases where historical items have been uncovered, the Department of Planning and Environment must be contacted, or if Indigenous items have been uncovered, the Department of Environment, Energy and Science shall 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 Coordinator-General of the Department of Environment, Energy and Science.

#### Demolition

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

#### **Survey Reports**

**58.** Survey reports shall be submitted by the building contractor to 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 Demolition / Construction / Civil Work

**59.** Demolition / construction / civil work is only permitted on the site between the hours of 7.00am to 6.00pm Monday to Friday and 8.00am to 1.00pm on Saturday with no work permitted on Sundays or public holidays.

#### Excavation & Backfilling

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

#### **Pollution Control**

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

#### Impact of Construction Works

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

#### PRIOR TO OCCUPATION OF THE DEVELOPMENT

The following identified requirements are to be complied with prior to the occupation of the development.

#### General

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

#### **Termite Protection**

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

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

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

#### **Council Infrastructure Damage**

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

#### Stormwater Drainage

- **73.** Prior to occupation, a Work As Executed Plan shall be prepared by the building contractor clearly showing all aspects of the constructed stormwater drainage system, including any 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 the council for the area'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 the council for the area.

#### PART B – Additional identified requirements

#### **Specific Requirements for Seniors Housing**

- **74.** The self-contained dwellings in the approved development must comply with the accessibility and useability standards for self-contained dwellings referenced in Clause 41 and set out in Schedule 3 of State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004. The requirements of this condition do not apply to the provisions set out under Clauses 2, 7, 8, 9, 10, 11, 12, 13 and 15-20 of Schedule 3 for a self-contained dwelling, or part of such a dwelling, that is located above the ground floor.
- **75.** Only the following kinds of people can be accommodated in the approved development:
  - (a) seniors or people who have a disability,
  - (b) people who live within the same household with seniors or people who have a disability,
  - (c) staff employed to assist in the administration of and provision of services to housing subject of this approval.

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

(a) people aged 55 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 must be registered against the title of the property on which development is to be carried out 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.

- **76.** Pathway lighting is to be designed and located to avoid glare for pedestrians and adjacent dwellings and to provide minimum 20 lux at ground level.
- **77.** Access must 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 development.
- **78.** A 1.2m wide concrete footpath across the site frontages shall be constructed in accordance with the council for the area's specifications to provide an accessible pathway from the site to the nearest bus stops.

#### Note:

The responsible officer in the council for the area shall be contacted regarding council's specifications and any necessary approvals.

**79.** 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

- **80. Continuous accessible path of travel** pathway and road reserve upgrading identified in the Access Assessment Report to be undertaken in collaboration with Cumberland City Council and the relevant road authority (if not Cumberland City Council) to provide a continuous accessible path of travel between the site and the nearest bus stops.
- **81. Give way sign** a 'Give way to entering vehicles' sign to be erected in a suitable location within the car court.
- **82. Emergency Evacuation Plan** an emergency evacuation plan prepared by a suitably qualified flood consultant is to be prepared detailing the evacuation strategy for the occupants of the development in the event of flood.

#### **Requirements resulting from council comments**

- **83. Sight distance** fence height at the northern and eastern boundary shall not exceed 1.15 metres above finished driveway level for a distance of 2 metres into the site from the front boundary.
- **84. Boundary fence/ wall** Any changes to the boundary fence/ wall shall be designed and constructed in consultation with adjoining affected property owner(s) at full cost to the developer. In this regard, owners' written consent from all affected property owner(s) shall be obtained for any proposed changes.
- **85. Service Authority Requirements** relevant service providers requirements to be obtained prior to commencement.
- **86. Construction Works Traffic Management Plan** Prior to commencement of construction works a Construction Works Traffic Management Plan is to be prepared by a suitably qualified consultant and a copy provided to Council.
- **87. Dial Before You Dig** A copy of the Dial Before You Dig search is to be provided to Council.

**88. Kerb levels** – Existing top of kerb levels shall be transferred clear of the excavation area (approximately 1100mm for the face of kerb) at 5m intervals. This shall be carried out by a registered surveyor and the level sheet shall be forwarded to council.

#### 89. Access to affected properties and road users –

- (a) Arrangements shall be made with residents of all affected properties with respect to the vehicular and pedestrian access to the properties.
- (b) Minimum 7 days notification shall be provided to the affected properties and arrangements shall be negotiated to suit the individual needs of the occupants of the affected properties.
- (c) Vehicular and pedestrian access to all affected properties shall be provided all times with minimal obstructions as per the agreed work time across each access driveways.
- (d) All affected access driveway of adjacent properties shall be reconstructed to adjacent property owner's and Council's satisfaction.

#### 90. Standards and specifications –

- (a) All construction shall comply with Council's standards. All standard drawings associated with the constructions shall be obtained from Cumberland Council prior to commence any construction works.
- (b) Minimum 500mm cover shall be maintained for the pipes any discrepancies shall be notified to Council.
- (c) Drainage extension (pipes) shall be constructed under the kerb & Gutter. Pipe shall be minimum 375mm diameter RCC class 3 pipes.
- (d) All structures shall be cast in-situ except for the lintels. Please note the combined lintel and gutter tray with grate and precast pits are NOT accepted. All pit walls shall be reinforced.
- (e) All kerb inlet pits shall be constructed minimum 1200mm away from new proposed driveways and any exiting adjacent property driveway. And minimum 1200mm lintels shall be provided.
- (f) Minimum width of asphalt saw-cut shall be 500mm (along the lip line) and all trenches shall be temporally reinstated to comply with Councils standard temporary trench restoration drawing.

#### 91. Restoration works (asphalt works) –

- (a) Minimum width of asphalt saw-cut shall be 500mm adjacent to the new concrete works.
- (b) All trenches across the road shall be temporarily reinstated with cold/ hot mix to comply with Councils standard temporary trench restoration drawing.
- (c) All final asphalt restorations works shall be carried out [by] Council. As [sic] engineers estimate will be provided with the road opening permit approval which shall be paid prior to commence street drainage works.
- **92. Documents to be submitted at completion –** At the completion of the street drainage extension works the following shall be submitted
  - a. A work as executed plan prepared by a registered surveyor
  - b. A professional CCTV camera report clearly identifying the length, diameter of the pipe. The report shall identify any joint displacements and whether the displacements are within tolerance.
  - c. Compaction test results for the trench back filling.

#### 93. Requirements as requested by public authorities other than councils

#### (g) Nil requirements

Requirements resulting from consideration of adjoining occupier responses to notification in the REF / consideration of other public submissions received

#### (h) Nil requirements

#### Specific service / utility agency requirements

#### (i) Nil requirements

#### **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 <u>www.1100.com.au</u> or by dialling 1100.





# 21-23 PHILLIPS AVE & 5 RICHARDSON AVE, REGENTS PARK

# **SENIORS DEVELOPMENT PUBLIC DOMAIN WORKS - STORMWATER EXTENSION**



LOCALITY PLAN

REVISION	DESCRIPTION	ISSUED	VER'D APP'D	DATE	CLIENT	ARCHITECT
01	ISSUED FOR REVIEW	SH	NS	30.08.21	_B2001	
02	ISSUED FOR APPROVAL	MM	NS	28.10.21	Land & Housing	BARRY RUSH
-					SOVERNMENT Corporation	& ASSOCIATES
-						
					DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS	THE COPYRIGHT OF THIS DRAWING REM
					VERIFICATION SIGNATURE HAS BEEN ADDED	NORTHROP CONSULTING ENGINEERS F

SOURCE : NEARMAP.COM.AU (•2020)

LL DIMENSIONS TO BE VERIFIED ON SITE BEFORE

10

COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

Commencing Work.

SCALE 1:800@A1

#### CIVIL DRAWING SCHEDULE DRAWING TITLE DWG No. C5101

C51.11	SPECIFICATION NOT
C51.12	SPECIFICATION NOT
C52.01	SEDIMENT EROSION
C52.11	SEDIMENT EROSION
C54.01	SITEWORKS & STO
C55.01	CATCHMENT PLAN
C55.11	STORMWATER LONG
C57.01	DETAILS SHEET

2/9/2022



DETERMINED by the New South Wales Land & Housing Corporation on:



ROJECT SENIORS DEVELOPMENT 21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE REGENTS PARK

OF THIS DRAWING REMAINS WITH ONSULTING ENGINEERS PTY LTD

COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN TES – SHEET 01 TES – SHEET 02 CONTROL PLAN CONTROL DETAILS RMWATER MANAGEMENT PLAN

GITUDINAL SECTIONS

## **NOT FOR CONSTRUCTION** DRAWING TITLE

PUBLIC DOMAIN WORKS

COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN

JOB NUMBER 202402 DRAWING NUMBER REVISION C51.01 02 DRAWING SHEET SIZE = A1

ACCESS AND SAFETY	STORMWATER DRAINAGE	SITEWORKS	EXISTING SERVICES	EARTHWORKS (co
<ol> <li>THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AND INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.</li> <li>THE CONTRACTOR SHALL PROVIDE TRAFFIC MANAGEMENT PLANS FOR THE PROPOSED WORKS COMPLETED BY A SUITABLY QUALIFIED</li> </ol>	<ol> <li>ALL PIPES SHALL BE CLASS 2 RUBBER-RING JOINTED RCP U.N.O. WHERE uPVC PIPES HAVE BEEN SPECIFIED, THE FOLLOWING CLASS PIPEWORK IS TO BE ADOPTED U.N.O. Ø100mm OR LESS TO BE CLASS 'SN10' AND ABOVE Ø100mm TO BE CLASS 'SN8'. CLASS 4 PIPES ARE TO BE USED WHERE COVER OVER THE PIPE IS BELOW 600mm AND BENEATH A TRAFFICABLE PAVEMENT.</li> </ol>	<ol> <li>ALL WORKS TO BE IN ACCORDANCE WITH RELEVANT LOCAL COUNCIL / REGULATORY AUTHORITIES REQUIREMENTS, ALL SPECIFICATIONS AND AUSTRALIAN STANDARDS. CONFLICTS BETWEEN SAID DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR DIRECTION.</li> </ol>	1. ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY	<ol> <li>WHERE THERE IS INSUFFICIENT EXCAVATED MA FILLING OR SUBGRADE REPLACEMENT, THE CON ALLOW TO IMPORT FILL. IMPORTED FILL SHALL FOLLOWING;</li> <li>1.1. BE OF VIRGIN EXCAVATED NATURAL MATEF 1.2. CONTRACTOR TO PROVIDE FVIDENCE IMPORT</li> </ol>
PERSON AND APPROVED BY COUNCIL / REGULATORY AUTHORITY. WORK IS NOT TO COMMENCE ON SITE PRIOR TO APPROVAL OF TRAFFIC MANAGEMENT SCHEME.	2. UPVC STORMWATER LINES PASSING UNDER FLOOR SLABS TO BE CONCRETE ENCASED.	2. THE CONTRACTOR IS TO REVIEW THE DRAWINGS PRIOR TO PRICING AND COMMENCEMENT AND REPORT ANY DISCREPANCIES TO NORTHROP	DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY. NOTE SERVICE AUTHORITY REQUIREMENTS FOR LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.	USE 1.3. PLASTICITY INDEX BETWEEN 2-15% AND CB 1.4. FREE FROM ORGANIC AND PERISHABLE MAT 1.5. MAXIMUM SIZE 50mm, PASSING 75 MICRON S
<ol> <li>THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO BUILDINGS ADJACENT THE WORKS IS NOT DISRUPTED.</li> <li>WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE</li> </ol>	<ol> <li>ALL PIPE ARE TO BE LAID AT 1.0% MIN GRADE U.N.O.</li> </ol>	CONTRACTOR AS BEING SAFE AND APPROPRIATE FOR USE. NORTHROP DO NOT TAKE ANY RESPONSIBILITY FOR THE USE OF UNSAFE PRODUCTS	2. CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.	2. THE CONTRACTOR SHALL PROGRAM THE EARTH SO THAT THE WORKING AREAS ARE ADEQUATE THE PERIOD OF CONSTRUCTION. THE SURFACE S SEALED OFF TO REMOVE DEPRESSIONS, ROLLEF
SITE. 5. THE CONTRACTOR SHALL ENSURE PUBLIC ACCESS EXTERNAL TO THE SITE IS IN ACCORDANCE WITH COUNCILS / AUTHORITY / SITE MANAGERS REQUIREMENTS.	<ol> <li><u>COVERS</u></li> <li>USE HOT DIPPED GALVANISED COVERS AND GRATES COMPLYING WITH RELEVANT COUNCIL AND AUSTRALIAN STANDARDS.</li> <li>ALL COVERS AND GRATES TO BE POSITIONED IN A FRAME AND MANUFACTURED AS A UNIT.</li> </ol>	4. THE CONTRACTOR IS TO DESIGN, OBTAIN APPROVALS AND CARRY OUT REQUIRED TEMPORARY TRAFFIC CONTROL PROCEDURES DURING CONSTRUCTION IN ACCORDANCE WITH ALL REGULATORY AUTHORITIES, INCLUSIVE OF LOCAL COUNCIL REGULATIONS AND REQUIREMENTS.	3. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING SERVICES THAT ARE TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS. ANY AND ALL DAMAGE TO THESE SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT AT THE	SIMILAR WHICH WOULD ALLOW WATER TO PONI THE UNDERLYING MATERIAL. ANY DAMAGE RES CONTRACTOR NOT OBSERVING THESE REQUIRED RECTIFIED AT THEIR COST. 12. IT IS THE RESPONSIBILITY OF THE CONTRACTO!
TREE PROTECTION	<ul> <li>5.3. ALL COVERS AND GRATES TO BE FITTING WITH POSITIVE COVER LIFTING KEYS</li> <li>5.4. OBTAIN SUPERINTENDENTS APPROVAL FOR THE USE OF CAST IRON SOLID COVERS AND GRATES. CAST IRON SOLID COVERS (IF APPROVED) TO CONSIST OF CROSS-WEBBED. CELLULAR</li> </ul>	<ol> <li>THE CONTRACTOR IS TO OBTAIN ALL AUTHORITY APPROVALS AS REQUIRED PRIOR TO COMMENCEMENT OF WORKS.</li> <li>RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION OR AS DIRECTED BY THE SITE</li> </ol>	4. THE CONTRACTORS EXPENSE. 4. THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE ADJUSTMENT (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS.	MAINTAIN THE INTEGRITY OF ALL SERVICES, CO DURING CONSTRUCTION, SPECIFICALLY DURING COMPACTION PROCEDURE. ANY AND ALL DAMA EXISTING SERVICES AS A RESULT OF THESE WO REPAIRED BY THE CONTRACTOR AT NO ADDITIO
<ol> <li>REFER TO LANDSCAPE / ARCHITECTS/NORTHROPS PLAN FOR TREES TO BE RETAINED AND PROTECTED.</li> <li>ANY EXISTING/PROPOSED TREES WHICH FORM PART OF THE FINAL</li> </ol>	CONSTRUCTION WITH THE RIBS UPPERMOST TO ALLOW INFILLING WITH CONCRETE. INSTALL POSITIVE COVER LIFTING KEYS AND PLASTIC PLUGS. 5.5. UNLESS DETAILED OR SPECIFIED OTHERWISE, COVERS AND GRATES	SUPERINTENDENT ON COMPLETION OF WORKS. WHERE PLANTING OF NEW GRASS IS NECESSARY REFER TO LANDSCAPE ARCHITECT AND / OR ARCHITECT DOCUMENTATION.	<ol> <li>5. THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS UNLESS DIRECTED</li> </ol>	DEEP EXCAVATIONS 13. PRIOR TO THE COMMENCEMENT OF EXCAVATION
2. ANT EXISTING/PROPOSED TREES WHICTFORTPART OF THE FINAL LANDSCAPING PLAN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY; 2.1. PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.	TO BE CLASS 'D' IN VEHICULAR PAVEMENTS AND CLASS 'B' ELSEWHERE. 5.6. ALL GRATED TRENCH DRAINS SHOULD BE 'CLASS D' CAST IRON WITHIN VEHICULAR PAVEMENTS AND CLASS 'B' HEEL SAFE WITHIN	7. ON COMPLETION OF ANY TRENCHING WORKS, ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR AS DIRECTED BY THE SITE SUPERINTENDENT, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL, GRASSED AREAS AND ROAD	<ul> <li>OTHERWISE ON THE DRAWINGS OR BY THE SUPERINTENDENT.</li> <li>6. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS ARE NOT AFFECTED BY THE WORKS AND ARE MAINTAINED AND TO DECLARE THE POINT AND THE</li></ul>	THAN 1.5m IN DEPTH, THE CONTRACTOR SHALL OF A SUITABLY QUALIFIED GEOTECHNICAL ENGI THE STABILITY OF MATERIAL BEING EXCAVATE REQUIREMENTS / MINIMUM BATTER SLOPES.
<ul> <li>2.2. ENSURING THAT NOTHING IS NAILED TO ANY PART OF THE TREE.</li> <li>2.3. CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY. COUNCILS AND/OR INDEPENDENT ARBORISTS TO BE CONSULTED WHERE TREE ROOTS ARE TO BE REMOVED AND/OR CUT.</li> </ul>	6. ALL PIPE BENDS, JUNCTIONS, ETC ARE TO BE PROVIDED USING PURPOSE MADE FITTINGS OR STORMWATER PITS.	8. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR PRIOR TO COMMENCEMENT OF WORKS.THE CONTRACTOR IS TO ENSURE THAT	7. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THE PROGRAM FOR THE RELOCATION AND/OR CONSTRUCTION OF TEMPORARY SERVICES AND FOR ANY ASSOCIATED	14. THE CONTRACTOR MUST PROVIDE THE SUPERIN DESIGN ENGINEER WITH A COPY OF THE GEOTEC REPORT PRIOR TO PRACTICAL COMPLETION.
SEDIMENT AND SOIL EROSION	<ol> <li>ALL CONNECTIONS TO EXISTING DRAINAGE STRUCTURES SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND CEMENT RENDERED TO ENSURE A SMOOTH FINISH.</li> </ol>	<ul> <li>SURVEY BOUNDARIES ARE DERIVED FROM A CADASTRAL SURVEY RATHER THAN A DETAIL SURVEY.</li> <li>9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING</li> </ul>	<ul> <li>INTERRUPTION OF SUPPLY.</li> <li>8. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DUPING MODIFIES TO THE CATHER FORMULA PROPERTY.</li> </ul>	15. THE CONTRACTOR IS TO PROVIDE SAFETY BAR THE LIKE IN ACCORDANCE WITH OH&S AND REG REQUIREMENTS AND TO ENSURE THE WORK SIT TIMES.
1. THE SEDIMENT & EROSION CONTROL PLAN PRESENTS CONCEPTS ONLY. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT & MANAGEMENT OF A DETAILED SCHEME	7. ENSURE PIPEWORK DOES NOT PROTRUDE BEYOND THE INSIDE FACE OF THE PIT WALL. PIPEWORK IS TO FINISH FLUSH WITH INTERNAL WALL (UNLESS OTHERWISE NOTED OR DETAILED). CONNECTION TO BE RENDERED AND MADE NEAT ON THE INSIDE FACE OF THE PIT	THE PRICE AS TENDERED SHALL BE INCLUSIVE OF ALL WORKS SHOWN ON THE TENDER PROJECT DRAWINGS. ADDITIONAL PAYMENTS FOR WORKS SHOWN ON THE TENDER PROJECT DRAWINGS WILL NOT BE APPROVED	DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.	
MEETING COUNCILS AND OTHER REGULATORY AUTHORITY REQUIREMENTS AND MAKE PAYMENT OF ALL FEES. 2. THE CONTRACTOR SHALL INSTIGATE ALL SEDIMENT AND EROSION	8. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.	<ol> <li>10. DO NOT OBTAIN DIMENSIONS BY SCALING DRAWINGS.</li> <li>11. IN CASE OF DOUBT OR DISCREPANCY REFER TO SUPERINTENDENT FOR</li> </ol>	9. THE CONTRACTOR IS TO ALLOW TO POTHOLE ANY SERVICES WITHIN A PUBLIC RESERVE WITHIN THE EXTENT OF WORKS (E.G. STORMWATER CROSSINGS).	1. THE USE OF PRE-CAST STORMWATER DRAINAG ACCEPTED WITHOUT CONFIRMATION BETWEEN N AND THE CONTRACTOR DEGADDING OUNLITY OF
REQUIREMENTS AND IN PARTICULAR THE 'BLUE BOOK' (MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION), PRODUCED BY THE DEPARTMENT OF HOUSING AND COUNCILS POLICIES. THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS	9. U.N.O. MATERIAL USED FOR BEDDING OF PIPES SHALL BE APPROVED NON-COHESIVE GRANULAR MATERIAL HAVING HIGH PERMEABILITY AND HIGH STABILITY WHEN SATURATED AND FREE OF ORGANIC AND CLAY MATERIAL.	<ul> <li>12. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL</li> <li>ENSURE THAT A SMOOTH EVEN PROFILE EDGE EDOM ARDURT</li> </ul>	EARTHWORKS	2. REFER MANUFACTURERS SPECIFICATIONS FOR I GUIDELINES.
3. THE CONTRACTOR SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THE DRAWINGS AND ADHERE TO ALL REGULATORY AUTHORITY	10. BEDDING SHALL BE U.N.O TYPE HS2 UNDER ROADS AND H2 UNDER GENERAL AREAS IN ACCORDANCE WITH CURRENT RELEVANT INDUSTRY STANDARDS AND GUIDELINES.	CHANGES IS OBTAINED. MAKE SMOOTH TRANSITION TO EXISTING FEATURES AND MAKE GOOD WHERE JOINED. 13. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS	<ol> <li>AT THE COMMENCEMENT OF FILLING OPERATIONS FOR BULK EARTHWORKS A GEOTECHNICAL ENGINEER IS TO VISIT THE SITE &amp; CONFIRM THE SUITABILITY OF THE METHODOLOGY OF ACHIEVING THE REQUIRED COMPACTION EARTHWORKS REQUIREMENTS</li> </ol>	3. PRECAST PIT TO BE PLACED ON MINIMUM 150mm AND BED MINIMUM 50mm WHILST CONCRETE IS S
4. THE CONTRACTOR SHALL INFORM ALL SUB CONTRACTORS OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLITION TO DOWNSTREAM LANDS AND WATERWAYS	11. THE CONTRACTOR SHALL ENSURE AND PROTECT THE INTEGRITY OF ALL STORMWATER PIPES DURING CONSTRUCTION. ANY AND ALL DAMAGE TO THESE PIPES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT AND ALL NO EXTRA COST TO THE CONTRACT	SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING. 14. ALL CIVIL ENGINEERING DESIGN HAS BEEN DOCUMENTED UNDER THE ASSUMPTION THAT ALL NECESSARY SITE CONTAMINATION	<ol> <li>STRIP TOPSOIL, VEGETABLE MATTER AND RUBBLE TO EXPOSE NATURALLY OCCURRING MATERIAL AND STOCKPILE ON SITE AS DIRECTED BY THE SUPERINTENDENT.</li> </ol>	<ol> <li>ENSURE PENETRATION IS CORED THROUGH PITT CONNECTION AND IS NOT OVERSIZED.</li> <li>ENSURE A SEALED FINISH AT PIPE CONNECTION MINIMUM 150mm THICK CONCRETE AROUND PIPE</li> </ol>
<ul> <li>5. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE SHALL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE;</li> </ul>	<ul> <li>12. NOTE THAT THE PIT COVER LEVEL NOMINATED IN GUTTERS ARE TO THE INVERT OF THE GUTTER WHICH ARE 40mm LOWER THAN THE PAVEMENT LEVEL AT LIP OF GUTTER. REFER KERB DETAILS FOR</li> </ul>	REMEDIATION WORKS HAVE BEEN SATISFACTORILY COMPLETED (IF APPLICABLE) AND THAT THE SITE IS NOT AFFECTED BY ANY SOIL STRATA OR GROUNDWATER TABLE CONTAMINATION.	3. WHERE FILLING IS REQUIRED TO ACHIEVE DESIGN SUBGRADE, PROOF ROLL EXPOSED NATURAL SURFACE WITH A MINIMUM OF TEN PASSES OF A VIBRATING ROLLER (MINIMUM STATIC WEIGHT OF 10 TONNES) IN THE PRESENCE OF THE SUPERINTENDENT OR CERTIFYING ENGINEER.	<ul> <li>FACE OF THE PIT. ENSURE CONCRETE DOES NOT INTEGRITY OF THE SUBSOIL DRAINAGE CONNECT</li> <li>6. ENSURE A SMOOTH SEALED FINISH AT PIPE CON ENSURE A SMOOTH SEALED FINISH AT PIPE CON</li> </ul>
5.1. CONSTRUCT TEMPORARY STABILISED SITE ACCESS INCLUSIVE OF SHAKE DOWN / WASH PAD. 5.2.INSTALL ALL TEMPORARY SEDIMENT FENCES AND BARRIER FENCES. WHERE FENCES ADJACENT EACH OTHER, THE SEDIMENT FENCE CAN BE INCORPORATED INTO THE BARRIER FENCE	CONFIRMATION. <u>SUBSOIL DRAINAGE</u>	15. NOTES ON DETAILS PROVIDED TAKE PRECEDENCE OVER SPECIFICATION NOTES UNLESS IN CONTRADICTION WITH COUNCIL/AUTHORITY SPECIFICATIONS/DETAILS. CONTRACTOR TO CONSULT WITH NORTHROP FOR ANY DISCREPANCIES.	4. THE CONTRACTOR IS TO ALLOW FOR A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER TO PROVIDE ADVICE AND CERTIFICATION OF ANY WORKS ASSOCIATED WITH TREATING OR MANAGING UNSUITABLE GROUND CONDITIONS THROUGHOUT THE CONTRACT (e.g.	THE PIT TO FILL IN ANY VOIDS CREATED WHEN THE PIPE WAS CORED. 7. ENSURE PIPEWORK DOES NOT PROTRUDE BEYO
<ul> <li>5.3.INSTALL SEDIMENT CONTROL MEASURES AS OUTLINED ON THE APPROVED PLANS.</li> <li>6. UNDERTAKE SITE DEVELOPMENT WORKS SO THAT LAND</li> </ul>	FILTER SOCK SURROUND SHALL BE CONNECTED TO A STORMWATER DRAINAGE PIT (AT MIN 1% LONGITUDINAL GRADE) AND PROVIDED IN THE FOLLOWING LOCATIONS; 13.1. THE HIGH SIDE OF PROPOSED TRAFFICKED PAVEMENT AREAS.	16. IF THE CONTRACTOR DISCOVERS HAZARDOUS/CONTAMINATED MATERIAL THE CONTRACTOR SHALL CONSULT WITH AN ENVIRONMENTAL SPECIALIST.	<ul> <li>STABILITY OF EXCAVATIONS, POOR SUBGRADE, THE EXISTING QUARRY AREA etc).</li> <li>5. ALL SOFT, WET OR UNSUITABLE MATERIAL IS TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REDUACED WITH APPROVED</li> </ul>	OF THE PIT WALL. PIPEWORK IS TO FINISH FLUS WALL (UNLESS OTHERWISE NOTED OR DETAILE RENDERED AND MADE NEAT ON THE INSIDE FAC
<ul> <li>DISTURBANCE IS CONFINED TO AREAS OF MINIMUM WORKABLE SIZE.</li> <li>7. AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY WEATHER, LARGE UNPROTECTED AREAS WILL BE STABILISED / KEPT MOIST (NOT WET) TO KEEP DUST UNDER CONTROL SUBJURY.</li> </ul>	<ul> <li>13.2. ALL PLANTER AND TREE BEDS PROPOSED ADJACENT TO PAVEMENT AREAS.</li> <li>13.3. BEHIND RETAINING WALLS (IN ACCORDANCE WITH RETAINING WALL DETAILS).</li> </ul>	17. THE CONTRACTOR IS RESPONSIBLE FOR DEALING WITH COMMUNITY COMPLAINTS ASSOCIATED WITH THE WORKS UNDER THE CONTRACT AND TO COMPENSATE FOR/RECTIFY ANY DAMAGE REASONABLY CAUSED BY THE CONTRACTOR.	<ul> <li>6. PROVIDE CERTIFICATES VERIFYING THE QUALITY OF IMPORTED MATERIAL FOR THE SUPERINTENDENTS APPROVAL.</li> </ul>	8. ENSURE THE OUTLET PIPE IS CONNECTED AT TH THE PIT TO DRAIN. ALTERNATIVELY FILL THE B MASS CONCRETE (MIN 50mm THICK) OR APPROV COMPOUND (LESS THAN 50mm THICK) TO DRAIN
<ul> <li>8. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) SHALL BE REMOVED AS SOON AS POSSIBLE AND</li> </ul>	<ul> <li>13.4. UPSTREAM OF STORMWATER PITS</li> <li>13.5. BENEATH FLEXIBLE PAVEMENT ALONG A SAG PROFILE</li> <li>13.6. ALL OTHER AREAS SHOWN ON DRAWINGS.</li> <li>13.7. CONTRACTOR IS TO MAKE ALLOWANCE IN BOTH TENDER AND</li> <li>CONSTRUCTION COSTING TO ALLOW FOR SUBSURFACE DRAWAGE</li> </ul>	18. THE TERM 'MAKE GOOD' OR 'MAKE NEAT' IS IN REFERENCE TO THE SATISFACTION OF NORTHROP OR CERTIFYING ENGINEER. THE CONTRACTOR IS TO SEEK CLARIFICATION FROM NORTHROP OR THE CERTIFYING ENGINEER IF NECESSARY	<ol> <li>ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200mm THICK LAYERS (LOOSE) AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1289.2.1.1 AS1289.5.7.1 AND AS1289.5.8.8 OF</li> </ol>	9. PROVIDE CONCRETE BENCHING TO SIDES OF PIT DIAMETER. HEIGHT TO MATCH MINIMUM 1/3 PIPE
<ul> <li>WITHIN 10 WORKING DAYS FROM PLACEMENT.</li> <li>9. WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN</li> </ul>	BEHIND ALL RETAINING WALLS / ABOVE LOCATIONS AND TO MAKE CONNECTION TO STORMWATER SYSTEM. 14. WHERE SUBSOIL DRAINAGE PASSES BENEATH BUILDINGS / PAVED	19. TOLERANCES TO BE IN ACCORDANCE WITH COUNCIL/AUTHORITY REQUIREMENTS.	NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY;       LOCATION     COMPACTION REQUIREMENT       LANDSCAPED AREAS     98% SMDD       POADS     100% SMDD	
<ul> <li>STABILISED AND/OR ANY LIKELY SEDIMENT BEEN FILTERED OUT.</li> <li>10. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED / REHABILITATED</li> </ul>	AREAS AND/OR PAVEMENTS. CONTRACTOR TO ENSURE Ø100mm CLASS 'SN10' uPVC DRAINAGE LINE IS USED AND THAT PROPRIETARY FITTINGS ARE USED TO RECONNECT SUBSOIL DRAINAGE LINE.	20. SAWCUT EXISTING SURFACES PRIOR TO EXCAVATION. BACKFILL ALL TRENCHES UNDER EXISTING ROADS, PAVEMENTS AND PATHS WITH STABILISED SAND 5% CEMENT OF DOS (10 MATERIAL (5% CEMENT))	COUNCIL SPECIFICATIONS) PAVED AREAS 100% SMDD (IN ACCORDANCE WITH COUNCIL SPECIFICATIONS)	
11. ALLOW FOR GRASS STABILISATION OF EXPOSED AREAS, OPEN CHANNELS AND ROCK BATTERS DURING ALL PHASES OF CONSTRUCTION.	CLEAROUTS TO ALL SUBSOIL DRAINAGE LINES AND DOWNPIPE LINES AS SPECIFIED ON DRAWINGS AND IN ACCORDANCE WITH COUNCIL SPECIFICATIONS. HOWEVER AS A MINIMUM THEY ARE TO BE PLACED AT MAXIMUM 30m CENTRES AND AT ALL UPSTREAM ENDPOINTS.	COMPACTED IN 200mm THICK LAYERS TO 98% MMDD TO UNDERSIDE OF PAVEMENT. 21. BACKFILL ALL TRENCHES NOT UNDER ROADS, PAVEMENTS, PATHS	8. TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE UNLESS AGREED DIFFERENTLY WITH THE PRINCIPAL.	DETERMIN
12. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN REGULARLY AND AS REQUIRED, PARTICULARLY FOLLOWING RAIN EVENTS.	16. PROVIDE 3.0m LENGTH OF Ø100 SUBSOIL DRAINAGE LINE WRAPPED IN NON-WOVEN GEOTEXTILE FILTER FABRIC TO THE UPSTREAM SIDE OF STORMWATER PITS, LAID IN STORMWATER PIPE TRENCHES AND CONNECTED TO DRAINAGE PIT.	AND BUILDINGS WITH APPROVED EXCAVATED OR IMPORTED MATERIAL COMPACTED TO 95% SMDD.	9. ALLOW THE FOLLOWING COMPACTION TESTING BY N.A.T.A. REGISTERED LABORATORY FOR PLATFORMS AND FILL LAYERS IN ACCORDANCE WITH THE LATEST VERSION OF AS3798. (MINIMUM 3 TESTS PER LAYER) OR 1 TEST PER MATERIAL TYPE PER 2500sq.m OR 1 TEST.	
13. RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER SHALL BE DISPOSED OF IN ACCORDANCE WITH REGULATORY AUTHORITY REQUIREMENTS. CONTRACTOR TO PAY ALL FEES AND PROVIDE EVIDENCE OF SAFE DISPOSAL.	17. IN AREAS WHERE DUMPED / HAND PLACED ROCK IS USED AS A MEANS OF SCOUR PROTECTION, CONTRACTOR IS TO EXCAVATE A MINIMUM OF 100mm FROM PROPOSED SURFACE, LEVEL AND COMPACT SUBGRADE AS SPECIFIED. ROCK TO THEN BE PLACED ON GEOTEXTILE FILTER FABRIC A34.		10. WHERE TEST RESULTS ARE BELOW THE SPECIFIED COMPACTION, RECOMPACT (TYNING FIRST AS NECESSARY) AND RETEST UNTIL SPECIFIED COMPACTION STANDARDS ARE ACHIEVED, OTHERWISE SUBGRADE REPLACEMENT IS REQUIRED IF COMPACTION STANDARDS ARE NOT ACHIEVED.	
14. IF A TEMPORARY SEDIMENT BASIN IS REQUIRED, ENSURE SAFE BATTER SLOPES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. MAINTAIN ADEQUATE STORAGE VOLUME IN ACCORDANCE WITH DLANS, TEMPORARY DUMP (CLEAN ELOCCULATED TO	18. THE CONTRACTR IS TO ENSURE THAT A MINIMUM 150mm CLEARANCE IS PROVIDED BETWEEN THE INTERNAL FACE OF PIPE AND ADJACENT INTERNAL PIT WALLS		11. ALLOW FOR EXCAVATION IN ALL MATERIALS AS FOUND U.N.O. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXCAVATION IN WET OR HARD GROUND.	
AUTHORITIES STORMWATER SYSTEM. ENSURE WHOLE DISTURBED SITE RUN-OFF IS DIRECTED TO TEMPORARY SEDIMENT BASIN.	19. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN 50mm CONCRETE BED (OR 75mm THICK BED OF 12mm BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK. (E.G. CLEAN 5-12mm AGGREGATE)			
JN     DESCRIPTION     ISSUED V       ISSUED FOR REVIEW     SH	VER'D APP'D DATE CLIENT NS 30.08.21	ARCHITECT ALL DIMENSIONS COMMENCING WO NORTHROP ACCE	S TO BE VERIFIED ON SITE BEFORE ORK. EPTS NO RESPONSIBILITY FOR THE	PROJECT SENIORS DEVELC
ISSUED FOR APPROVAL MM	NS 28.10.21	BARRY RUSH & ASSOCIATES USABILITY, COM TRANSFERRED E THIS DRAWING M AND MAY BE INC	IPLETENESS OR SCALE OF DRAWINGS ELECTRONICALLY. MAY HAVE BEEN PREPARED USING COLOUR, COMPLETE IF COPIED TO BLACK & WHITE Sydney	21-23 PHILLIPS AV 5 RICHARDSON A REGENTS PA
	DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS	THE COPYRIGHT OF THIS DRAWING REMAINS WITH	Ph (02) 9241 4188 Fax (02) 9241 432 Email sydney@northrop.com.au ABN 81 09	4 4 94 433 100

CIFICATIONS T	AKE PRECEDENCE OVER NOTES PROVIDED BELOW.
nt)	
ATERIAL SUITABLE FOR NTRACTOR IS TO . COMPLY WITH THE	
RIAL OR T IS SUITABLE FOR	
3R > 8 TER SIEVE (<25%)	
HWORKS OPERATION ELY DRAINED DURING SHALL BE GRADED AND RS MARKS AND ID AND PENETRATE SULTING FROM THE MENTS SHALL BE	
R TO ENSURE AND ONDUITS AND PIPES THE BACKFILLING AND AGE TO NEW OR YORKS SHALL BE ONAL COST.	
N WORKS GREATER . OBTAIN THE SERVICES IINEER TO DETERMINE ED AND BENCHING	
NTENDENT AND OR THE CHNICAL ENGINEERS	
RRIERS, FENCING AND GULATORY AUTHORITY TE IS SAFE AT ALL	
ER PITS	
GE PITS IS NOT NORTHROP ENGINEERS ONTROL AND	
INSTALLATION	
m THICK CONCRETE PAD STILL PARTIALLY WET. FACE TO ALLOW	
NS BY HAND-APPLYING AT THE EXTERNAL T AFFECT THE TED TO THE PIT.	
NNECTIONS BY HAND E INTERNAL FACE OF I PENETRATION FOR	
DND THE INSIDE FACE SH WITH INTERNAL ED). CONNECTION TO BE CE OF THE PIT.	
HE INVERT LEVEL OF BASE OF THE PIT WITH /ED GROUTING	
TO SUIT PIPE E DIAMETER.	
√ED by the New South	n Wales Land & Housing Corporation on: 2/9/2022

## **NOT FOR CONSTRUCTION** DRAWING TITLE JOB NUMBER

OPMENT AVENUE ARK

PUBLIC DOMAIN WORKS

**SPECIFICATION NOTES - SHEET 01** 

202402 DRAWING NUMBER REVISION C51.11 **02** DRAWING SHEET SIZE = A1

	ENGINEERING CERTIFICATION		3D II	NFORMATION DISCLAIMER	
NAGER: N.SUTHERLAND VERIFIER:	ENGINEERING CERTIFICATION         1       TO CERTIFY THE CONSTRUCTED CIVIL WORKS, A QUALIFED EXPERIENCED ENGINEER IS TO VISIT THE SITE TO GREERVE CONSTRUCTION TECHNOUSS AND CAPOUS ELEMENTS THAT MAY B CONCEALED WHEN THE WORKS ARE COMPLETE.         2       THIS SPECIFICATION ALLOWS FOR CERTIFICATION OF WORKS CONTROLLED BY A PRIVATE CERTIFIER FOR LAND DEVELOPMENT WORKS. THIS SPECIFICATION DOS NOT COVER CERTIFICATION NOR OR OPFIC WORKS AS EXECUTED) INFORMATION TO THE CONTRACTOR TO DETER AND PROVIDE ALL PROJECT SPECIFIC CONSTRUCTION COMPLIANCE (WORKS AS EXECUTED) INFORMATION TO THE SATISFACTION OF THIS SPECIFICATION AND SPECIFICATIONS OF OTHER EXTERNAL STAREMOLDERS / AUTHORITY DISCREPANCIES BETWEEN THIS SPECIFICATION AND SPECIFICATIONS OF OTHER EXTERNAL STAREMOLDERS / AUTHORITY DISCREPANCIES BETWEEN THIS SPECIFICATION AND SPECIFICATIONS OF OTHER EXTERNAL STAREMOLDERS / AUTHORY DECEMBENT PRIOR TO OTHER CONTRACTOR IS TO AGREE WITH THE ENGINEER AN APPROPRIM SITE VISIT SCHEDULE AND FEE ARRANGEMENT PRIOR TO OTHER ENGINEER CAN ADD FEE ARRANGEMENT PRIOR TO OBSERVE.         4. TO PODVIDE CERTIFICATION THE ENGINEER MUST VISIT THE SITE TO OBSERVE.	E OF E OF E OF E OF E OF E OF E OF E OF	BD II PLEASE BE ADVI ACCURATE REFLE DESIGN DEVELOP SURFACE AS PRE VERIFIED BY THE CONSTRUCTION V YOU ARE FURTHE INFORMATION AN REPORTED TO NO PRIOR TO THEIR NORTHROP CONS OF NON-VERIFIED THE USE OF THE ACKNOWLEDGMEN THE RECIPIENT.	NFORMATION DISCLAIMER         SED 12D DESIGN FILE, IF SUPPLIED, IS DEEMED TO BE AN ECTION OF NORTHROP'S DESIGN AT THE TIME OF FINAL MENT AND MAY NOT FULLY REFLECT THE DESIGN EXONTRACTOR PRIOR TO INCORPORATION IN THE CONTRACTOR PRIOR TO INCORPORATION IN THE WORKS.         ER ADVISED THAT ISSUED HARDCOPY/PDF PLANS AND CE PRECEDENCE OVER THE SUPPLIED ELECTRONIC NO ANY INCONSTANCIES SHOULD IMMEDIATELY BE STHROP CONSULTING ENGINEERS FOR VERIFICATION INCORPORATION IN THE WORKS.         SULTING ENGINEERS TAKES NO RESPONSIBILITY FOR USE 0 3D DESIGN INFORMATION USED IN THE WORKS.         SULTING ENGINEERS TAKES NO RESPONSIBILITY FOR USE 0 3D DESIGN INFORMATION SHALL CONSTITUTE INT AND ACCEPTANCE OF THE ABOVE STATEMENTS BY         COLLOWING ITEMS HAVE BEEN IDENTIFIED AS SAFETY RISE VEHICULAR TRAFFIC	
MANAGER:	<ol> <li>10. CONTRACTOR IS TO UNDERTAKE A CCTV INSPECTION OF ALL STORMWATER DRAINAGE PIPELINES AND PROVIDE TO THE ENGINEER EOR APPROVAL</li> </ol>	٦			
HONG JOB I	<ol> <li>THE CONTRACTOR SHALL PROVIDE ALL RELEVANT TEST CERTIFICA PROGRESSIVELY THROUGHOUT THE DURATION OF THE WORKS. ALL TEST CERTIFICATES SHALL BE PREPARED BY A NATA REGISTERED LABORATORY. TEST CERTIFICATES ARE REQUIRED FOR PROOF ROLL SUBGRADE COMPACTION, COMPACTION OF PAVEMENT LAYERS, COMPACTION OF FILLING OPERATIONS, CONCRETE SLUMP TEST, AND CONCRETE STRENGTH TESTS. THE CONTRACT SHALL PROVIDE ALL RELEVANT VALIDATIONS BY A GEOTECHNICAL ENGINEER FOR ALL IMPORTED FILLI</li> </ol>	TES LING,			
SIGNED: S.I	12. EACH TEST CERTIFICATE WILL NOMINATE THE DATE AND TIME OF THE TEST AND PROVIDE A LOCATION OF WHERE THE TEST SAMPLE WAS TAKEN FROM.	HE S			
B	13. THE CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO CONDUCT FINAL VISIT TO REVIEW OF THE CONSTRUCTED WORKS. THIS WILL REVIEW WILL NOT TAKE PLACE UNTIL THE WAE DOCUMENTATION AN RELEVANT TEST CERTIFICATES HAVE BEEN RECEIVED.	T A ND			
DRAWN: B.MAZZA	14. IF DEFECTIVE OR INCOMPLETE WORK IS FOUND DURING THE FINAL INSPECTION ANOTHER INSPECTION MAY BE REQUIRED AT THE CONTRACTORS EXPENSE TO VERIFY THE RECTIFICATION WORKS HA BEEN COMPLETED.	VE			
REVISION	DESCRIPTION	SSUED VER'D	) APP'D DATE	CLIENT	ARCHITECT
01	ISSUED FOR REVIEW	SH	NS 30.08.21		
02	ISSUED FOR APPROVAL	MM	NS 28.10.21	Land & Housing Corporation	B
-					
				DRAWING NOT TO BE USED FOR CONSTRUCTION UNLES VERIFICATION SIGNATURE HAS BEEN ADDED	S THE COPYRIGH NORTHROP C

NOTE: ALL CIVIL ENGINEERING CONSTRUCTION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CUMBERLAND CITY COUNCIL DEVELOPMENT GUIDELINES INCLUSIVE OF ALL SPECIFICATIONS TAKE PRECEDENCE OVER NOTES PROVIDED BELOW.

Slehr

2/9/2022

DETERMINED by the New South Wales Land & Housing Corporation on:

ARRY RUSH & ASSOCIATES
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Commencing Work. COMMENLING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE

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PROJECT SENIORS DEVELOPMENT 21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE **REGENTS PARK** 

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## **NOT FOR CONSTRUCTION** DRAWING TITLE

PUBLIC DOMAIN WORKS

**SPECIFICATION NOTES - SHEET** 02





REVISION 02



- 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- 6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

## WIRE MESH AND GRAVEL SEDIMENT FILTER

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT
01	ISSUED FOR APPROVAL	SH		NS	28.10.21	- <b>b</b> \$\$\$4-	
						Land & Housing	B
						GOVERNMENT   Corporation	
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS	THE COPYRIGH
						VERIFICATION SIGNATURE HAS BEEN ADDED	NORTHROP (

DETERMINED by the New South Wales Land & Housing Corporation on:

2/9/2022

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BARRY RUSH & ASSOCIATES	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE	<b>NORTHROP</b>	PROJECT SENI 21-23 5 RIC
THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	NOT TO SCALE	Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	

# NOT FOR CONSTRUCTION

NIORS DEVELOPMENT 23 PHILLIPS AVENUE & RICHARDSON AVENUE REGENTS PARK

PUBLIC DOMAIN WORKS

DRAWING TITLE

SEDIMENT EROSION CONTROL DETAILS JOB NUMBER
202402
DRAWING NUMBER
C52.11
DRAWING SHEET SIZE = A1





REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT
01	ISSUED FOR REVIEW	SH		NS	30.08.21		
02	ISSUED FOR APPROVAL	MM		NS	28.10.21	Land & Housing	BARRY RUSH
-						GOVERNMENT Corporation	& ASSOCIATES
-							
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS	THE COPYRIGHT OF THIS DRAWING REMAINS WITH
						VERIFICATION SIGNATURE HAS BEEN ADDED	NORTHROP CONSULTING ENGINEERS PTY LTD

Elech.









PROJECT SENIORS DEVELOPMENT 21-23 PHILLIPS AVENUE & **5 RICHARDSON AVENUE** REGENTS PARK



# **NOT FOR CONSTRUCTION**

PUBLIC DOMAIN WORKS

DRAWING TITLE

CATCHMENT PLAN



									DR/
HITECT	CLIENT	CLIENT	DATE	APP'D	VER'D	ISSUED	DESCRIPTION	/ISION	REVI
			30.08.21	NS		SH	ISSUED FOR REVIEW	01 ISS	C
B/	Land & Housing		28.10.21	NS		MM	ISSUED FOR APPROVAL	02 ISSI	0
	Corporation							-	-
								-	
NORTHROP C	VERIFICATION SIGNATURE HAS BEEN ADDED	V							
Tŀ	DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	DRAWII						-	

		(01\01)(01\02)		01\03		(01\04)	(01\05)
DETERMINED by the New South Wales Land & Hous	ing Corporation on:	PROPOSED 0.9×0.9 SIP PROPOSED 1.8m E.K.I.		PROPOSED 1.8m E.K.I.		EX. 2.4m KIP	EX JUNCTION
	CC IF RE SI CC	NTRACTOR TO CONTACT ITHORITIES PRIOR TO NSTRUCTION TO CONFIRM THE POLE TO BE LOCATED OR TEMPORARY IPPORTED DURING NSTRUCTION. 4100 DIA PIPES FROM PRIVATE PROPERTIES	Ek.water MAIN IL=46.331	ek.water MAIN IL=46.08			
	PIPE CLASS PIPE GRADE (%) PIPE SIZE (mm) MINIMUM COVER (m) Vf - FULL PIPE VELOCITY (m/s) Q - PIPE FLOW (L/s)	$ \begin{array}{c}       UPVC \\       < 1.0\% \\       375 \\       \hline       1.00 \\       Vf=1.09 \\       Q=13 \\       \hline       Q=13 \\       \end{array} $	RRJ2 1.0% 375 0.48 Vf=1.09 Q=121		RRJ2 1.0% 375 0.52 Vf=1.34 Q=148	3.6 3.6 30 0.6 Vf=2 Q=1	× 2 3 .76 95
N.SUTHERLAND VERIFIER:	H.G.L FOR 1% AEP FINISHED SURFACE	47.20 46.680 46.620 46.525		46.380 46.377 46.380 46.380 46.241		46.000 45.995 45.990 45.416	46.230 44.850 44.850 44.850
JOB MANAGER:	NATURAL SURFACE PIPE INVERT LEVEL	4.6.15 4.6.105 4.6.680 4.5.792		45.480 46.380		45.070 46.000	44.550 46.230 44.230
DNOH'S	DEPTH TO INVERT	0.888		0.900		0.930	1.680
DESIGNED:	CO-ORDINATED SETOUT	-4.130 0.000 E317854.968 0.000 K249281.735		31.179 E317859.268 N6249312.591		56.226 E317864.141 N6249347.299	30.665 E317866.389 N6249361.774
DRAWN: B.MAZZA		LINE 01					
REVISION DESCRIPTION 01 ISSUED FOR REVIEW 02 ISSUED FOR APPROVAL - -	ISSUEDVER'DAPP'DDATECLIENTSHNS30.08.21Image: State of the state	Land & Housing Corporation	ARCHITECT BARRY RUSH & ASSOCIATES	ALL DIMENS COMMENCIN NORTHROP USABILITY, TRANSFER THIS DRAW AND MAY E 0.0	SIONS TO BE VERIFIED ON SITE BEFORE G WORK. ACCEPTS NO RESPONSIBILITY FOR THE COMPLETENESS OR SCALE OF DRAWINGS RED ELECTRONICALLY. ING MAY HAVE BEEN PREPARED USING COLOUR, JE INCOMPLETE IF COPIED TO BLACK & WHITE 0.5 1.0 1.5 2.0 2.5m	<b>NORTHR</b> Sydney Level 11 345 George Street, Sydney NSW	<b>OP</b> 2000



SENIORS DEVELOPMENT 21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE REGENTS PARK

## **NOT FOR CONSTRUCTION** DRAWING TITLE

PUBLIC DOMAIN WORKS

STORMWATER LONGITUDINAL SECTIONS

JOB NUMBER 202402 DRAWING NUMBER REVISION C55.11 02 DRAWING SHEET SIZE = A1



ARRY RUSH & ASSOCIATES		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE	<b>NORTHROP</b> Sydney	PROJECT SENIORS DE 21-23 PHILLI 5 RICHARDS
T OF THIS DRAWING REMAINS WITH	SCALE 1:10 @ A	0.0 0.1 0.2 0.3 0.4 0.5m	Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324	REGEN
	SLALE 1:20(@ A		Email sydney@northrop.com.au ABN 81 094 433 100	1

40MM SCALE FOR PRINTING PURPOSE ONLY

DETERMINED by the New South Wales Land & Housing Corporation on:

Elech.

2/9/2022

# DA PLANS **SENIORS HOUSING DEVELOPMENT** 21-23 PHILLIPS AVE & 5 RICHARDSON AVE, REGENTS PARK Lots 53, 54 & 55 in DP 35559

## LEGEND

AML	ADJUSTABLE METAL LOUVRES
BH	BULKHEAD
BOE	BRICK ON EDGE
BR	BROOM CUPBOARD
CAP	CEILING ACCESS PANEL
CC	COLOURED CONCRETE COLOUR
CL	CLOTHES LINE
CP	CONCRETE PAVING BROOM FINISH
CPD	CUPBOARD
CPT	CARPET
CT	CERAMIC TILE
GPO	DOUBLE POWER POINT
	DOWNPIPE
F1	FENCE METAL GAL STEEL POWDERCOAT TO DETAIL
F2	FENCE SLATTED METAL VARYING HEIGHT
F3	FENCE VERTICAL METAL SLATS TO DETAIL
F4	COLORBOND FENCE 1800mm HIGH TO BOLINDARIES
	EACE BRICK 1 BOWRAL MURRAY GREY
EB2	FACE BRICK 2 BOWRAL SIMMENTAL
FB2	FACE BRICK 3 BORAL ESCURA VELOUR VOLCANIC
FVV	FLOOR WASTE
G	
GB	
GD	GRATED STRIP DRAIN
HP	
HI	
HWU	
LB	LETTERBOXES - RECESSED INTO WALL
L	
MC1	METALCLADDING COLORBOND STANDING SEAM
MDR	METAL DECK ROOF
MSB	MAIN SWITCH BOARD
MW	MICROWAVE SPACE
OHC	OVERHEAD CABINETS
Р	PANTRY
PP	POROUS PAVEMENT
PR1	PAINT TO SKIM COAT RENDER COLOUR 1
PR2	PAINT TO SKIM COAT RENDER COLOUR 1
PVC	PHOTOVOLTAIC CELLS
REF	REFRIGERATOR LOCATION
RHD	RANGEHOOD
RL	RELATIVE LEVEL
RW	RETAINING WALL
RWO	RAIN WATER OUTLET
RWT	RAINWATER TANK
S	KITCHEN SINK
SB	STAIR BALUSTRADE
SC	STEEL COLUMN
SHR	SHOWER
SK	SKYLIGHT
STC	STEEL TROWEL CONCRETE FINISH
SWP	STORMWATER PIT
Т	LAUNDRY TUB
TOK	TOP OF KERB
TOW	TOP OF WALL
TOP	TOP OF PARAPET
TPZ	TREE PROTECTION ZONE
UBO	UNDER BENCH OVEN
VJ	VERTICAL JOINT
VTY	VANITY
WC	TOILET SUITE
WM	WASHING MACHINE
WO	WALL OVEN
WR	WARDROBE
WS	WHEEL STOP
WA	WINDOW AWNING
WH	
VVH	



Planning, Industry & Environment locked bag 5112 Parramatta NSW 2124 PHONE No (02) 8753 9000

Barry Rush & Associates Pty Ltd Architects. Nominated Architect: Barry John Rush ARB Registration No 3753 Suite 25A, 2 Beattie Street, Balmain, NSW, Australia, 2041 Phone: (612) 9555 8028 Email: info@barryrush.com.au www.barryrush.com.au

	08/11/21	DRAWING SCHEDULE AMENDED					
	26/10/21	PART 5 RE-ISSUED					
/	DATE	NOTATION/AMENDMENT					
	DO NOT SCALE DRAWINGS, CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE.						



## DRAWING SCHEDULE

PROJECT MANAGER

PH (02) 8753 9000

LANDSCAPE CONSULTAN

PH 0403 164 198

LAND & HOUSING CORPORATION

GREENLAND DESIGN PTY LTD

## ARCHITECTURAL

A 01 of 14	COVER SHEET		2	03/11/21
A 02 of 14	SITE ANALYSIS		1	26/10/21
A 03 of 14	DEMOLITION PLAN		1	26/10/21
A 04 of 14	SITE & GROUND FLOOR PI	_AN	2	03/11/21
A 05 of 14	FIRST FLOOR PLAN		1	26/10/21
A 06 of 14	ROOF PLAN		1	26/10/21
A 07 of 14	ELEVATIONS		1	26/10/21
A 08 of 14	SECTIONS		1	26/10/21
A 09 of 14	SHADOW DIAGRAMS		1	26/10/21
A 10 of 14	VIEWS FROM SUN DIAGRA	MS	1	26/10/21
A 11 of 14	EXTERNAL COLOUR SCHE	DULE	1	26/10/21
A 12 of 14	STREETSCAPE PHOTOMO	NTAGE	1	26/10/21
A 13 of 14	BLOCK PLAN		1	26/10/21
A 14 of 14	AREAS OF EXCAVATION &	FILL	2	12/11/21
CIVIL				
C04.01	SITEWORKS & STORMWA	TER MANAGEMENT PLAN	D	13/09/21
C07.01	DETAILS SHEET 01		D	13/09/21
C51.01	COVER SHEET, DRAWING	N 2	28/10/21	
C51.11	SPECIFICATION NOTES - S	2	28/10/21	
C51.12	SPECIFICATION NOTES - S	2	28/10/21	
C52.01	SEDIMENT EROSION CON	2	28/10/21	
C52.11	SEDIMENT EROSION CON	TROL DETAILS	1	28/10/21
C54.01	SITEWORKS & STORMWA	TER MANAGEMENT PLAN	2	28/10/21
C55.01	CATCHMENT PLAN		2	28/10/21
C55.11	STORMWATER LONGITUD	INAL SECTIONS	2	28/10/21
C57.01	DETAILS SHEET		2	28/10/21
ANDSCAPE				
LA 1 OF 2	LANDSCAPE PLAN		D	03/11/21
LA 2 OF 2	LANDSCAPE DETAILS & SF	PECIFICATION	D	03/11/21
SURVEY				
S 1 of 3	PLAN SHOWING DETAIL AN	ND LEVELS	3	21/06/21
S 2 of 3	BUS ROUTE (PLAN VIEW)		2	26/11/20
S 3 of 3	BUS STOP LONGITUDINAL	SECTIONS	2	26/11/20
ARCH BAI PH (C	HITECT RRY RUSH & ASSOCIATES PTY LTD 121 9555 8028	CIVIL AND STRUCTURAL CONSULTANT NORTHROP CONSULTING ENGINEERS PTY LTD PH (02) 9241 4188		

YDRAULIC CONSULTANT

ELECTRICAL CONSULTANT

PH (02) 9437 1022

PH (02) 9437 1022

ERBAS AND ASSOCIATES PTY LTD

ERBAS AND ASSOCIATES PTY LTD

## **DEVELOPMENT DATA**

b Reference			E	BGJF2						
ality / Suburb			Reg	ents Park						
eet Address		21-23 Phillips Ave & 5 Richardson Ave								
Lot & DP		Lots 53, 54, 55 IN DP 35559								
Site Area			17	725 m²						
xisting Lots				3						
oposed GFA	879.6 m²									
of Dwellings		6 x 1	Bed + 6 x	2Bed = 12 [	Owellings					
						SOLAR A	CCESS			
	Number	Type*	Beds	Area* (m²)	POS*	LIVING	POS			
	1	Ground	2	75	39	6 hr	6 hr			
	2	Ground	2	75	23	2 hr	3 hr			
WELLINGS	3	Ground	1	55	35	6 hr	6 hr			
	4	Ground	1	55	35	3 hr	5 hr			
	5	Ground	2	75	48	6 hr	6 hr			
	6	Ground	1	60	78	6 hr	6 hr			
	7	First	2	75	18	6 hr	6 hr			
	8	First	2	75	12	3 hr	3 hr			
	9	First	1	55	10	6 hr	6 hr			
	10	First	1	55	10	3 hr	5 hr			
	11	First	2	75	12	6 hr	6 hr			
	12	First	1	60	9	6 hr	6 hr			
	Cor	ntrol		Requireme	nt	Prop	osed			
HEIGHT	Auburn Co ARH	uncil - LEP SEPP		9m 8.5m		6.3m to 7.8m to t	o ceiling top of roof			
FSR	Auburn Co	uncil - LEP		N/A		0.8	51:1			
	SL S	EPP		0.5:1		0.5	8:1			
PARKING	SL S	EPP	0.2 x	(no dwelling	s) = 2.4	3 acc	essible			
	ARH SEPP (Division 6)	accessible site	0.4 0.5	x(no. 1 Beds x (no. 2 Bed	) = 2.4 ls) = 3	6 car	spaces			
	Auburn Council	Street	6m (sir	ngle dwelling	setback)	6.0m a	average			
SETBACK	DCP	Side/Rear Rear	0.9m (si 3n	ingle dwellin n (fire sepera	g setback) ation)	3	ßm			
NDSCAPING	SL SEPP	Seniors	35 m² µ	per Dwelling	= 420 m²	53	6 m²			
DEEP SOIL	SL SEPP	Seniors		15% = 259 r	n²	18% =	317 m²			
AR ACCESS	SL SEPP	Seniors	70% for 3	3hrs in Mid-V	Vinter = 8.4	92%	5 = 11			

Job Reference			_							
		BGJF2								
Locality / Suburb		Regents Park								
Street Address		21-23 Phillips Ave & 5 Richardson Ave								
Lot & DP		Lots 53, 54, 55 IN DP 35559								
Site Area			17	725 m²						
Existing Lots				3						
Proposed GFA			87	79.6 m²						
No. of Dwellings		6 x 1	Bed + 6 x	2Bed = 12 D	Owellings					
						SOLAR A	CCESS			
	Number	Type*	Beds	Area* (m²)	POS*	LIVING	POS			
	1	Ground	2	75	39	6 hr	6 hr			
	2	Ground	2	75	23	2 hr	3 hr			
DWELLINGS	3	Ground	1	55	35	6 hr	6 hr			
	4	Ground	1	55	35	3 hr	5 hr			
	5	Ground	2	75	48	6 hr	6 hr			
	6	Ground	1	60	78	6 hr	6 hr			
	7	First	2	75	18	6 hr	6 hr			
	8	First	2	75	12	3 hr	3 hr			
	9	First	1	55	10	6 hr	6 hr			
	10	First	1	55	10	3 hr	5 hr			
	11	First	2	75	12	6 hr	6 hr			
	12	First	1	60	9	6 hr	6 hr			
				•			•			
	Cor	ntrol		Requireme	Proposed					
HEIGHT	Auburn Co ARH	uncil - LEP SEPP		9m 8.5m		6.3m t 7.8m to	o ceiling top of roof			
FSR	Auburn Co	uncil - LEP		N/A		0.	51:1			
	SL S	EPP		0.5:1		0.5	8:1			
PARKING	SL S	EPP	0.2 x	(no dwelling	s) = 2.4	3 acc	essible			
	ARH SEPP (Division 6)	accessible site	0.4 0.5	4 x(no. 1 Beds) = 2.4 6 car spaces .5 x (no. 2 Beds) = 3			spaces			
	Auburn Council	Street	6m (sir	ngle dwelling	setback)	6.0m average				
SETBACK	DCP	Side/Rear Rear	0.9m (s 3n	.9m (single dwelling setback) 3m (fire seperation)			3m			
LANDSCAPING	SL SEPP	Seniors	35 m²	per Dwelling	= 420 m²	53	6 m²			
			$35 \text{ m}^2 \text{ per Dwelling} = 420 \text{ m}^2 \qquad 536 \text{ m}^2$							
DEEP SOIL	SL SEPP	Seniors		15% = 259 r	n²	18% =	317 m²			

LAHC Design Requirements. POS\* - private open space

012011
SENIORS DEVELOPMENT
21-23 PHILLIPS AVENUE &
5 RICHARDSON AVENUE
REGENTS PARK
OTS 53, 54 & 55 in DP 35559

LAHC\* - development data for LAHC new housing supply. For details refer to Current version of

GFA\* - gross floor area calculated as per relevant Planning Instrument

AREA\* - dwelling floor area includes internal walls but excludes external walls

	STATUS: PART 5 APPROVAL					
		DATE: 30/9/2020	scale: NTS	PROJ: –	PROJECT NO. BGJF2	
		STAGE:	DRAWN: MB	CHECKED: BR	NOMINATED ARCHITECT:	
FILE: A1 A3 A9 A11 Phillips Regents Park.dwg	PLOTTED: 3/11/2021 11:08 AM	TYPE: A	SHEET: 1 OF	14	REV: 2	



FILE: DAa Phillips Regents Park.dwg	PLOTTED: 23/10/2020 12:14 PM	TYPE:	SHEET: <b>2 Of</b>	- 14	REV:
			MB	BR	BR
		STAGE:	DRAWN:	CHECKED:	NOMINATED ARCHITEC
		23/10/20	NTS	-	BGJF2
		DATE:	SCALE:	PROJ:	PROJECT No.

![](_page_27_Figure_0.jpeg)

![](_page_28_Figure_0.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_30_Figure_1.jpeg)

	ANOTHEOT		BUSINESS PARINER.	
	BARRY RUSH & ASSOCIATES PTY LTD	NORTHROP CONSULTING ENGINEERS PTY LTD		SENIORS DEVELOPMENT
				21-23 PHILLIPS AVENUE &
	PH (02) 8753 9000	PH (02) 9437 1022		5 RICHARDSON AVENUE
	LANDSCAPE CONSULTANT	ELECTRICAL CONSULTANT		REGENTS PARK
ON SITE.	GREENLAND DESIGN PTY LTD PH 0403 164 198	ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		LOTS 53, 54 & 55 in DP 35559

![](_page_31_Figure_0.jpeg)

PH (02) 9437 1022

PH 0403 164 198

www.barryrush.com.au

LOTS 53, 54 & 55 in DP 35559

![](_page_32_Figure_0.jpeg)

DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE.
---

PH 0403 164 198

PH (02) 9437 1022

www.barryrush.com.au

		BSA Refe	erence: 16181
bility Assessments Igsustainability.net.au	www. b	Ph: (02 uildingsustaina	2) 4962 3439 bility.net.au
Important Not ation was used to achieve the ate and takes precedence over	<b>e</b> thermal pe er any other	erformance values	indicated on
on elements are applied then t	the Assess	or Certificate is no	longer valid.
Performance Specifications	s (does n	ot apply to garage	e)
truction		Aa	ded Insulation
			R1.0
er (Unit 8 only)			R2.0
ruction		Ad	Ided Insulation
(alle)			none
diacent to lobbies)			
		۸ ۸	ded Insulation
<u> </u>	R3 5 t	Au o ceilings adiacent	to roof snace
Colour	1.0.0 (	Adi	ded Insulation
Anv		Foil +	R1.0 blanket
Covering		Ad	ded Insulation
As drawn			None
ss and frame type	U Value	SHGC Range	Area sq m
minium Type A Single clear	6.70	0.51 - 0.63	As drawn
minium Type B Single clear	6.70	0.63 - 0.77	As drawn
ning windows, bifolds, casements	s, tilt 'n 'turn'	windows, entry doors	, french doors
uble hung windows, sliding windo	ws & doors,	fixed windows, stacke	er doors, louvres
ss and frame type	U Va	lue SHGC	Area sq m
		· · · · · · · · · · · · · · · · · · ·	
are according to AFRC. Altern	nate produc	ets may be used if t	the U value
JU IS WITHIN THE RANGE SPECIFIE	ea		
ading (eaves, ver	andahs, pe	rgolas, awnings et	c)
	• • -	<b>n</b>	
downlights	, exhaust fa	ans, flues etc)	
en made for losses to insulat	ion arising	trom ceiling penetr	ations.
			T 5 APPROVAL

LOTS 53, 54 & 55 in DP 35559

![](_page_33_Figure_0.jpeg)

	ARCHITECT	CIVIL AND STRUCTURAL CONSULTANT	BUSINESS PARTNER:	PROJECT:
	BARRY RUSH & ASSOCIATES PTY LTD PH (02) 9555 8028	NORTHROP CONSULTING ENGINEERS PTY LTD PH (02) 9241 4188		SENIORS DEVELOPMENT
	PROJECT MANAGER	HYDRAULIC CONSULTANT		21-23 PHILLIPS AVENUE &
	LAND & HOUSING CORPORATION PH (02) 8753 9000	ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		5 RICHARDSON AVENUE
	LANDSCAPE CONSULTANT	ELECTRICAL CONSULTANT		REGENTS PARK
on site.	GREENLAND DESIGN PTY LTD PH 0403 164 198	ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		LOTS 53, 54 & 55 in DP 35559

![](_page_34_Figure_0.jpeg)

![](_page_34_Figure_1.jpeg)

![](_page_34_Figure_2.jpeg)

**12 NOON** 

![](_page_34_Figure_4.jpeg)

![](_page_34_Figure_5.jpeg)

![](_page_34_Picture_6.jpeg)

LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 9000

Barry Rush & Associates Pty Ltd Architects. Nominated Architect: Barry John Rush ARB Registration No 3753 Suite 25A, 2 Beattie Street, Balmain, NSW, Australia, 2041 Phone: (612) 9555 8028 Email: info@barryrush.com.au www.barryrush.com.au

1	26/10/21	PART 5 RE-ISSUED
/	DATE	NOTATION/AMENDMENT
	DO NOT	SCALE DRAWINGS, CHECK ALL DIMENSION: FIGURED DIMENSIONS TAKE PRECEDENCE.

![](_page_34_Picture_10.jpeg)

![](_page_34_Figure_11.jpeg)

![](_page_34_Figure_12.jpeg)

![](_page_34_Figure_13.jpeg)

![](_page_34_Figure_14.jpeg)

![](_page_34_Picture_15.jpeg)

DETERMINED by the New South Wales Land & Housing Corporation on:

# **VIEWS FROM THE SUN** DIAGRAMS AT 21st June (Mid Winter)

Elech.

2/9/2022

	ARCHITECT BARRY RUSH & ASSOCIATES PTY LTD PH (02) 9555 8028	CIVIL AND STRUCTURAL CONSULTANT NORTHROP CONSULTING ENGINEERS PTY LTD PH (02) 9241 4188	BUSINESS PARTNER:	PROJECT: SENIORS DEVELOPMENT
	PROJECT MANAGER LAND & HOUSING CORPORATION PH (02) 8753 9000	HYDRAULIC CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE
DIMENSIONS ON SITE. CEDENCE.	LANDSCAPE CONSULTANT GREENLAND DESIGN PTY LTD PH 0403 164 198	ELECTRICAL CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		REGENTS PARK LOTS 53, 54 & 55 in DP 35559

			STATUS: PART 5 APPROVAL			
VIEVVS FROIVI SUIN		DATE: 23/10/20	SCALE: 1:100	PROJ:	PROJECT No. BGJF2	
	<i>э</i> г <i>)</i>	STAGE:	DRAWN: MB	CHECKED: BR	NOMINATED ARCHITECT:	
FILE: DAe Phillips Regents Park.dwg	PLOTTED: 15/12/2020 5:57 PM	TYPE: A	SHEET: <b>10 C</b>	)F 14	REV:	

![](_page_35_Picture_0.jpeg)

Barry Bush & Associatos Bty I td			
Barry Rush & Associates Fly Liu			
Architects. Nominated Architect: Barry John Rush ARB Registration No 3753 Suite 25A, 2 Beattie Street, Balmain, NSW, Australia, 2041	1	26/10/21	PART 5 RE-ISSUED
	REV	DATE	NOTATION/AMENDMEN
Phone: (612) 9555 8028 Email: info@barryrush.com.au www.barryrush.com.au		DO NOT	SCALE DRAWINGS. CHEO FIGURED DIMENSIONS TA

LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 9000

Environment

Planning,

Industry &

NSW

DESCRIPTION	COLOUR
METAL DECK/ MC2 FLASHING	BASALT
METAL	SURFMIST
FACE BRICK	BOWRAL MURRAY GREY
FACE BRICK	BOWRAL SIMMENTAL
FACE BRICK	BORAL ESCURA VELOUR VOLCANIC
TAL WALL CLADDING STANDING SEAM	BASALT
FORM CONCRETE SKIM RENDER + GRANOSITE SMOOTH PAINT	MONUMENT
FORM CONCRETE SKIM RENDER + GRANOSITE SMOOTH PAINT	WATTYL ASTOR WHITE
POWDER COATED	MONUMENT

CODE	LOCATION	DESCRIPTION	COLOUR
WH	WINDOW HOODS	METAL POWDERCOATED	MONUMENT
ANODISED AL	WINDOWS & DOORS	ANODISED ALUMNIUM	SATIN CHARCOAL GREY
SS	HANDRAILS	STAINLESS STEEL	SS MATT
AWNING/ WA	AWNING ABOVE ENTRYS	COLORBOND	TERRAIN
FC1	BALCONY LINING & SOFFIT	PAINTED FIBER CEMENT SHEETING	WATTYL ASTOR WHITE
F1/F5	METAL FENCE 600,1200 & 1500 HIGH	METAL FENCING TO DETAIL	DULUX MONUMENT
F2	FENCE	SLATTED METAL FENCE	DULUX SHALE GREY
F3	FENCE	FEATURE LASER CUT METAL FENCE TO DETAIL	DUNE
F4	FENCE	METAL FENCE 1800mm HIGH TO BOUNDARIES	COLORBOND SHALE GREY

	ARCHITECT	CIVIL AND STRUCTURAL CONSULTANT	BUSINESS PARTNER:	PROJECT:
	BARRY RUSH & ASSOCIATES PTY LTD	NORTHROP CONSULTING ENGINEERS PTY LTD		SENIORS DEVELOPMENT
				21-23 PHILLIPS AVENUE &
	LAND & HOUSING CORPORATION	FRBAS AND ASSOCIATES PTY I TO		
D	PH (02) 8753 9000	PH (02) 9437 1022		5 RICHARDSON AVENUE
IENT	LANDSCAPE CONSULTANT	ELECTRICAL CONSULTANT		REGENTS PARK
HECK ALL DIMENSIONS ON SITE. S TAKE PRECEDENCE.	GREENLAND DESIGN PTY LTD PH 0403 164 198	ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		LOTS 53, 54 & 55 in DP 35559

			STATUS: PART 5 APPROVAL			
EXTERINAL COLOUR	SCHEDULE	DATE: 30/9/2020	scale: N.T.S.	PROJ: -	PROJECT NO. BGJF2	
		stage:	DRAWN: MB	CHECKED: BR	NOMINATED ARCHITECT:	
FILE: A1 A3 A9 A11 Phillips Regents Park.dwg	PLOTTED: 3/11/2021 11:08 AM	TYPE:	SHEET: 11 C	F 14	REV:	

![](_page_36_Picture_0.jpeg)

![](_page_36_Picture_1.jpeg)

![](_page_36_Picture_2.jpeg)

LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 9000

Barry Rush & Associates Pty Ltd Architects. Nominated Architect: Barry John Rush ARB Registration No 3753 Suite 25A, 2 Beattie Street, Balmain, NSW, Australia, 2041 Phone: (612) 9555 8028 Email: info@barryrush.com.au www.barryrush.com.au

1	26/10/21	PART 5 RE-ISSUED
ĪV	DATE	NOTATION/AMENDMENT
	DO NOT	SCALE DRAWINGS. CHECK ALL DIMENSIONS FIGURED DIMENSIONS TAKE PRECEDENCE.

DETERMINED by the New South Wales Land & Housing Corporation on:

Elech.

2/9/2022

	ARCHITECT BARRY RUSH & ASSOCIATES PTY LTD PH (02) 9555 8028	CIVIL AND STRUCTURAL CONSULTANT NORTHROP CONSULTING ENGINEERS PTY LTD PH (02) 9241 4188	BUSINESS PARTNER:	SENIORS DEVELOPMENT
	PROJECT MANAGER LAND & HOUSING CORPORATION PH (02) 8753 9000	HYDRAULIC CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE
S ON SITE.	LANDSCAPE CONSULTANT GREENLAND DESIGN PTY LTD PH 0403 164 198	ELECTRICAL CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022		REGENTS PARK LOTS 53, 54 & 55 in DP 35559

			STATUS: PART 5 APPROVAL					
	THOTOMONTAGE		DATE: 23/10/20	scale: NA	PROJ: -	PROJECT NO. BGJF2		
			STAGE:	DRAWN:	CHECKED:	NOMINATED ARCHITECT:		
				MB	BR	BR		
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	DAe Phillips Regents Park.dwg	15/12/2020 5:57 PM	A	12 O	)F 14	1		

![](_page_37_Picture_1.jpeg)

DETERMINED by the New South Wales Land & Housing Corporation on:

Elech.

Planning, Industry & Environment

2/9/2022

LOCKED BAG 5112 PARRAMATTA NSW 2124 PHONE No (02) 8753 9000 Architects. Nominated Architect: Barry Rush & Associates Pty Ltd Architects. Nominated Architect: Barry John Rush ARB Registration No 3753 Suite 25A, 2 Beattie Street, Balmain, NSW, Australia, 2041 Phone: (612) 9555 8028 Email: info@barryrush.com.au www.barryrush.com.au

126/10/21PART 5 RE-ISSUEDEVDATENOTATION/AMENDMENT DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS FIGURED DIMENSIONS TAKE PRECEDENCE.

	ARCHITECT BARRY RUSH & ASSOCIATES PTY LTD PH (02) 9555 8028	CIVIL AND STRUCTURAL CONSULTANT NORTHROP CONSULTING ENGINEERS PTY LTD PH (02) 9241 4188	BUSINESS PARTNER:
	PROJECT MANAGER LAND & HOUSING CORPORATION PH (02) 8753 9000	HYDRAULIC CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022	
ON SITE.	LANDSCAPE CONSULTANT GREENLAND DESIGN PTY LTD PH 0403 164 198	ELECTRICAL CONSULTANT ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022	

SENIORS DEVELOPMENT 21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE REGENTS PARK LOTS 53, 54 & 55 in DP 35559

		status: PAF	RT 5 APPR	OVAL	
		date: 23/10/20	scale: NA	PROJ: -	PROJECT No. BGJF2
		STAGE:	DRAWN:	CHECKED:	NOMINATED ARCHITECT:
			МВ	BR	BR
	PLOTTED:	TYPE:	SHEET:		REV:
FILE:					

![](_page_38_Figure_0.jpeg)

![](_page_39_Figure_0.jpeg)

![](_page_39_Picture_1.jpeg)

	F	02/06/2022	DISH DRAIN AND OVERFLOW PATH ADDED
NOMINALED ARCHITECT:	Е	16/02/2022	SOUTHERN SWALES ADDED
	D	03/11/2021	PART 5 REVISION
Barry Rush & Associates Pty Ltd	С	25/10/2021	PART 5 RE-ISSUED
Architects	В	04/05/2021	FOR TENDER
Phone: (612) 9555 8028 Fax: (612) 9810 0161	REV	DATE	NOTATION/AMENDMENT
Email: info@barryrush.com.au www.barryrush.com.au		DO NOT	SCALE DRAWINGS. CHECK ALL DIMENSIONS ON FIGURED DIMENSIONS TAKE PRECEDENCE.

REGENTS PARK
LOTS 53, 54 & 55 IN DP35559

![](_page_40_Figure_0.jpeg)

Plant Sch	edule						
ID	Qty	Common Name	Botanical Name	Size	Mature Height	Mature Spread	Native (N)
Trees							
TCK	2	Bottlebrush	Callistemon 'Kings Park Special'	75Litre	3 - 6m	2.0 - 3.5m	Ν
TEE	2	Eumundi Quandong	Elaeocarpus eumundi	75Litre	6 - 8m	3.5 - 6m	Ν
TTL	4	Water Gum	Tristaniopsis laurina 'Luscious'	75Litre	6 - 8m	3.5 - 6m	Ν
TWF	6	Weeping Lilly Pilly	Waterhousia floribunda	75Litre	6 - 8m	3.5 - 6m	Ν
Shrubs							
SAM	16	Allyn Magic	Acmena 'Allyn Magic'	200mm	0.6 - 0.8m	0.6 - 0.8m	Ν
SCCE	14	Scarlet Bottlebrush	Callistemon citrinus 'Endevour'	200mm	3 - 5m	2.0 - 3.5m	Ν
SCE	50	Evening Glow Mirror Plant	Coprosma 'Evening Glow'	200mm	0.9 - 1.5m	0.9 - 1.2m	Ν
SCOA	40	New Zealand Cabbage Tree	Cordyline australis 4m	200mm	3 - 4m	1.0 - 2.0m	Ν
SCRA	66	Red Alert Bottle Brush	Callistemon 'Red Alert'	200mm	1.0 - 1.5m hedge	2.0 - 3.0m	Ν
SCS	19	Narrow Palm Lily	Cordyline stricta congesta	200mm	1 - 2m	0.8 - 1.0m	Ν
SCW	6	White Correa	Correa alba	200mm	0.9 - 1.5m	0.9 - 1.2m	Ν
SDE	44	Gymea Lily	Doryanthes excelsa	200mm	1.5 - 2m	1.2 - 2.0m	Ν
SST	33	Tiny Trev	Syzygium australe 'Tiny Trev'	200mm	0.5 - 0.8m	0.6 - 0.8m	Ν
SSY	44	Cascade Lilly Pilly	Syzygium 'Cascade'	200mm	2 - 3m	1.2 - 2.0m	Ν
SSYR	16	Resilience Lilly Pilly	Syzygium 'Resilience'	200mm	2 - 3m	1.2 - 2.0m	N
SWJG	32	Jervis Gem	Westringia fruticosa 'Jervis Gem'	200mm	0.8 - 1.2m	0.8 - 1.2m	Ν
Ground C	overs						
GLT	220	Spiny-headed mat rush	Lomandra longifolia 'Tanika'	150mm	0.45 - 0.6m	0.6 - 0.9m	N
GDTT	72	Flax Lily	Dianella tasmanica 'Tasred'	150mm	0.4 - 0.5m	0.4 - 0.5m	N
GSTB	135	Trident Blue	Senecio Trident Blue	150mm	0.4 - 0.5m	0.4 - 0.5m	Ν
GCCI	7	Cousin It	Casuarina 'Cousin It'	150mm	0.10 - 0.15m	0.8 - 1.0m	N
GLKD	114	Katrinus Deluxe Mat-Rush	Lomandra longifolia 'Katrinus Deluxe'	150mm	0.75 - 0.9m	0.9 - 1.2m	Ν
GHV	14	Meema	Hardenbergia violacea "Meema"	150mm	0.4 - 0.6m	1.5 - 2.0m	Ν
GJU	90	Tussock Rush	Juncus usitatus	150mm	0.5 - 0.7m	0.8 - 1.0m	Ν
GDB	113	Flax Lily	Dianella tasmanica 'Blaze'	150mm	0.4 - 0.5m	0.4 - 0.6m	Ν
GBB	40	Birthday Candle	Banksia spinulosa 'Birthday Candle'	150mm	0.45 - 0.6m	0.9 - 1.2m	Ν
GMYP	121	Carpet Spreading Myoporum	Myoporum parvifolium ' Yareena'	150mm	0-0.1m	2.0 - 3.0m	N
GGRM	91	Royal Mantle Grevillea	Grevillea 'Poorinda Royal Mantle'	150mm	0-0.1m	2.0 - 3.0m	Ν

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

![](_page_40_Picture_3.jpeg)

LOCKED BAG 5022 PARRAMATTA NSW 2124 PHONE No 1800 738 718 https://www.dpie.nsw.gov.au/land-and-housing-corporation

NOMINATED ARCHITECT: Barry Rush & Associates Pty Ltd C 25/10/2021 PART 5 RE-ISSUED Suite 25A, 2 Beattie Street, Balmain, NSW, 2041 Phone: (612) 9555 8028 Fax: (612) 9810 0161 Email: info@barryrush.com.au www.barryrush.com.au

02/06/2022 DISH DRAIN AND OVERFLOW PATH ADDED E 16/02/2022 SOUTHERN SWALES ADDED D 03/11/2021 PART 5 REVISION 04/05/2021 FOR TENDER NOTATION/AMENDMENT DATE DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS C FIGURED DIMENSIONS TAKE PRECEDENCE.

### DETERMINED by the New South Wales Land & Housing Corporation on:

![](_page_40_Figure_8.jpeg)

![](_page_40_Figure_9.jpeg)

![](_page_40_Figure_10.jpeg)

![](_page_40_Figure_11.jpeg)

#### SPECIFICATION NOTES PLANTING MATERIALS

#### Planting Mix:

Planting mix for tree pit backfill shall be "Organic Garden Mix" consisting of

- 50% Black Soil
- 20% Coarse Sand

30% Organic Material

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

Mulch: Mulch to garden bed:

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

Spread mulch so that after settling, it is:

• smooth and evenly graded between design surface levels;

- flush with adjacent finished levels;
- of the required depths (75mm); and

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

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

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

All new turfed areas are to be selected weed free Soft Leaf Buffalo. Turf shall be laid neatly butted with staggered joins, flush with adjacent surfaces and have even running falls to all drainage points.

All new turfed area shall have a minimum 150mm depth of weed free top soil, placed and levelled prior to turfing.

#### PREPARATION AND HARDWORKS Excavating for Spot Planting

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

2/9/2022

#### Staking

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

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

#### Concrete Edge / Moisture Barrier

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

	PROJECT MANAGER	HYDRAULIC CONSULTANT		TITLE:	PART 5	APPROVA	L	
	PH (02) 8753 8000 FAX (02) 8753 8888		SENIORS DEVELOPMENT	LANDSCAPE DETAILS AND	DATE: 02/06/2022	SCALE: 1:100	PROJ:	PROJECT No. BGJF2
			21-23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE	SPECIFICATION	STAGE: PART 5	DRAWN: CL	CHECKED: GD	LANDSCAPE ARCH
on site.	MECHANICAL CONSULTANT	LANDSCAPE CONSULTANT GREENLAND DESIGN PTY LTD PH 0403 164 198	LOTS 53, 54 & 55 IN DP35559	FILE: 2227		sheet: 2 of 2	2	REV:

![](_page_40_Figure_38.jpeg)

L.(	G.A. OF CUMBER	RLAND CITY	46
1.		124	
			46.5
2.		123	$\frac{1}{4^{1/2}} \frac{1}{4^{1/2}} $
3.		122	PP $F$
4.			Pit
5.			A CONIFER A 49.04 A 49.05 A 49.1 A 49.05 A 49.1 A 49.05 A 49.15 A 49.15 A 49.05 A 49.15 A 49.15 A 49.05 A 49.15 A 49.05 A 49.15 A 4
	NOTES		
	1. SPOT LEVELS SHOWN THUS: + <sup>30.10</sup> 2. CONTOURS SHOWN THUS:	5	
	3. CONTOUR INTERVAL 0.5 METRE	$\sim$	
	4. SIGNIFICANT TREES SHOWN THUS: (		
	THE SPREAD OF EACH TREE IS INDICATIV BE SHOWN ACCURATELY WITHOUT VERY THE SHAPE AND SIZE OF SPREAD OF THE LACK OF UNIFORMITY OF THE BRANCHES	ZE ONLY AND CANNOT Z DETAILED FURTHER SURVEY. E TREE MAY VARY DUE TO S, TRUNK AND OTHER REASONS.	
	5. VISIBLE SERVICES ONLY HAVE BEEN LOO	CATED BY SURVEY.	
	<ul> <li>6. BOUNDARY INFORMATION HAS BEEN CO SHOWN ON PLANS ON PUBLIC RECORD A REGISTRY SERVICES.</li> <li>7. BOUNDARIES PLOTTED ARE ACCURATE IN</li> </ul>	MPILED FROM INFORMATION T OFFICE OF N.S.W. LAND FOR D.A. PURPOSES.	
	BOUNDARIES SHOULD BE MARKED ON THE FURTHER DEVELOPMENT OF THE LAND.	E GROUND PRIOR TO ANY	
	8. SERVICING INFORMATION OBTAINED FRO SERVICES AUTHORITIES (TELSTRA/SYDN	OM INFORMATION PROVIDED BY EY WATER).	
7	DENOTES PHOTO NO. & DIRECTION		

No. DATE	NOTATION/AMENDMENT	No. DATE	NOTATION	AMENDMENT	CONTOUR INTERVAL: 0.5m		LEGEND OF COMMONLY USED SYMBOLS	REDUCTION RATIO 1 : 200 @ A1	DATE OF SURVEY: 4 /12 / 2014	
		1. 28/08/20	REVISED DETAIL LOT 5	4 & AMENDED BUS ROUTE	DATUM: A.H.D.	WATER		0 2 4 6 8 10 12 14 16 18 20	SURVEY CONSULTANT:	
		2. 26/11/20	TREE REMOVED LOT 54		ORIGIN OF DATUM:SSM 97760 RL 43.66	SEWER	Same Street Consumer Same Same Same Same Same Same Same Same		YSCO GEOMATICS SUITE 4: 114 HAMPDEN ROAD, ARTARMON	
						ELECTRICITY	U/H E PP Light E Connection Box E U/G Joint Distribution O/H Pit Pitar	LAND TITLE INFORMATION	PH. 94198222	GOVERN HOUSING
					100 YEAR FLOOD RL:	TELECOM	U/G T T I Identification T Identification	LOTS: 53, 54, 55		
		FILE	FILE SIZE (MB	) CHECKED BY	RECOMMENDED MINIMUM FLOOR RL:	DRAINAGE - Co	mmon	PLAN NOS : DP 35559		PLA
						– Ma	ain 525 dia	OTHER:	1+2	
						BENCH MARK	SURVEY CONTROL MARK	AREA: 1725m²	SURVEYORS Registered Surveyor REF : .10614	

![](_page_41_Figure_2.jpeg)

![](_page_42_Figure_0.jpeg)

121	120	119	118						

Planning, Industry &	REGENTS PARK				
AND PROPERTY GROUP - Land & Housing Corporation DRAWING TITLE BUS ROUTE (PLAN VIEW)	STREET ADDRESS 21 - 23 PHILLIPS AVENUE & 5 RICHARDSON AVENUE	TYPE <b>S</b>			
	SITE LAYOUT JOB	SHT. 2			
	BGTVL / 001 / 03	OF 3			

MGA 2020

![](_page_43_Figure_0.jpeg)

![](_page_43_Figure_1.jpeg)

![](_page_43_Figure_2.jpeg)

![](_page_43_Figure_3.jpeg)

![](_page_43_Figure_4.jpeg)

No.	DATE	NOTATION/AMENDMENT	No.	DATE	NOTATION/AMENDMENT		CONTOUR INTERVAL: 0.5
			1.	28/08/20	REVISED DETAIL LOT 54 & AMENDED BUS ROUTE		DATUM: A.H.D.
			2.	26/11/20	TREE REMOVED LOT 54		ORIGIN OF DATUM:SSM 9
							100 YEAR FLOOD RL:
			FILE		FILE SIZE (MB)	CHECKED BY	RECOMMENDED MINIMUN

![](_page_43_Picture_6.jpeg)

DETERMINED by the New South Wales Land & Housing Corporation on:

H=1:500 V=1:500

![](_page_43_Picture_9.jpeg)