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Macaulay Structure Plan Community Infrastructure Needs Assessment

Prepared by ASR Research
On behalf of the City of Melbourne
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1. Introduction

1.1 Background

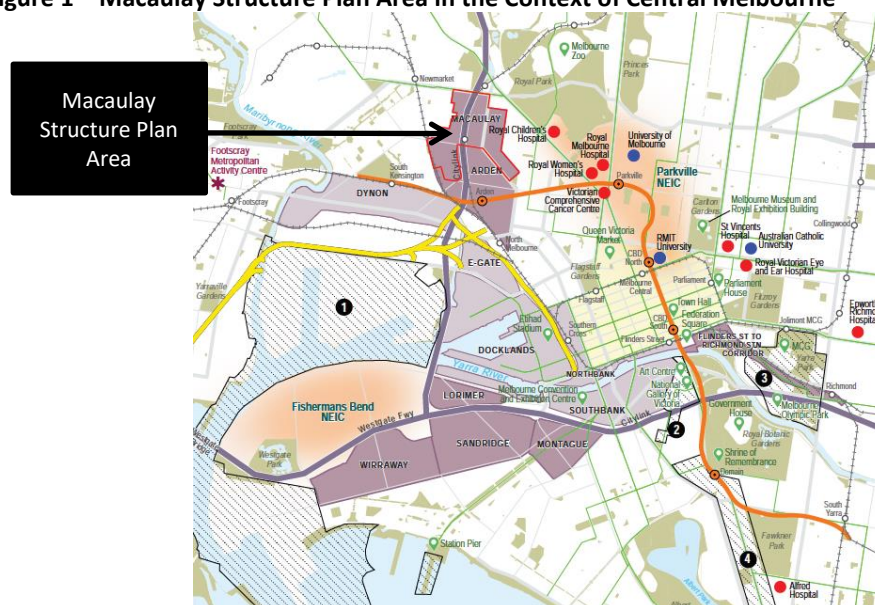
ASR Research was engaged by the City of Melbourne to prepare the following Community Infrastructure Needs Assessment for the *Macaulay Draft Structure Plan Refresh* ('the Plan') prepared by the City of Melbourne. One of the key objectives of the Macaulay Plan is to ensure that community infrastructure provision, including open space, meet the needs of the projected population for the area.

The needs assessment should also be read in conjunction with the *Arden Structure Plan Community Infrastructure Needs Assessment* (2020) (the 'Arden CIA'), prepared by ASR Research on behalf of the Victorian Planning Authority (VPA) and the City of Melbourne. The Macaulay Assessment utilises much of the information and analysis presented in the Arden CIA, particularly the audit of existing community infrastructure within and surrounding the Arden and Macaulay Structure Plan areas and the review of relevant policies, plans and strategies.

1.2 Macaulay Structure Plan Area in Context

The Macaulay urban renewal area covers approximately 90 hectares of land north-west of the Central City. As shown in Figure 1 below, the Plan area is one of several precincts at various stages of planning, development or completion within inner metropolitan Melbourne. It is located directly north of the Arden urban renewal area and in close proximity to the Parkville National Employment and Innovation Cluster, Melbourne Innovation District City North, Dynon, E-Gate, West Melbourne and the central city.

Figure 1 – Macaulay Structure Plan Area in the Context of Central Melbourne



Source: Macaulay Draft Structure Plan Refresh (2020)

A separate structure plan for Arden is being developed by the VPA and the City of Melbourne. While Macaulay and Arden each have a distinct role and character, both plans are being developed to be complementary to each other and co-ordinated in their delivery.

1.4 Macaulay Draft Structure Plan Refresh (2020)

The City of Melbourne adopted the Arden-Macaulay Structure Plan in 2012 to guide future growth and development in parts of Kensington and North Melbourne. It outlines the preferred land use, building design, open space, transport and infrastructure outcomes to deliver a thriving and liveable place.

Since adopting the structure plan there have been changes to the planning context affecting the area. In response to these changes the City of Melbourne is preparing a refreshed structure plan for Macaulay that will: 1) maintain the approach to future growth and development from the 2012 structure plan, and 2) outline how we will plan for the changes that have occurred since 2012.

The Macaulay Structure Plan area is located within the suburbs of North Melbourne and Kensington. The Plan has been developed using a 'place based' approach by identifying four distinct places in Macaulay, each with its own character and qualities. As shown in Figure 2 below, these four places are referred to as Boundary, Melrose, Chelmsford and Stubbs.

Figure 2 – Macaulay Structure Plan Area Places



Source: Macaulay Draft Structure Plan Refresh (2020)

The vision, content and directions contained within the *Macaulay Draft Structure Plan Refresh* (2020) has, in part, been informed by a community engagement process and a number of technical background studies including the *Arden and Macaulay Community Infrastructure Review* (2018) prepared by Ethos Urban with support from Social Fabric Planning. A review of the recommendations of this report form part of the Addendum.

1.5 Review Objectives

The overall aim of the review is to undertake a review of community infrastructure needs associated with the Macaulay Structure Plan area, building on the recommendations of the *Arden Structure Plan Community Infrastructure Needs Assessment* recently prepared by ASR Research on behalf of the Victorian Planning Authority and the City of Melbourne.

More specifically, the City of Melbourne requires the review to:

1. Assess how the recommendations of the Arden report will impact on earlier community infrastructure recommendations for the Macaulay Structure Plan area prepared by Ethos Urban;
2. Progress precinct infrastructure planning for Macaulay more generally; and
3. Sufficient directions to assist Council with the preparation of a Development Contributions Plan (DCP) for the Structure Plan Area.

2. Catchment Details

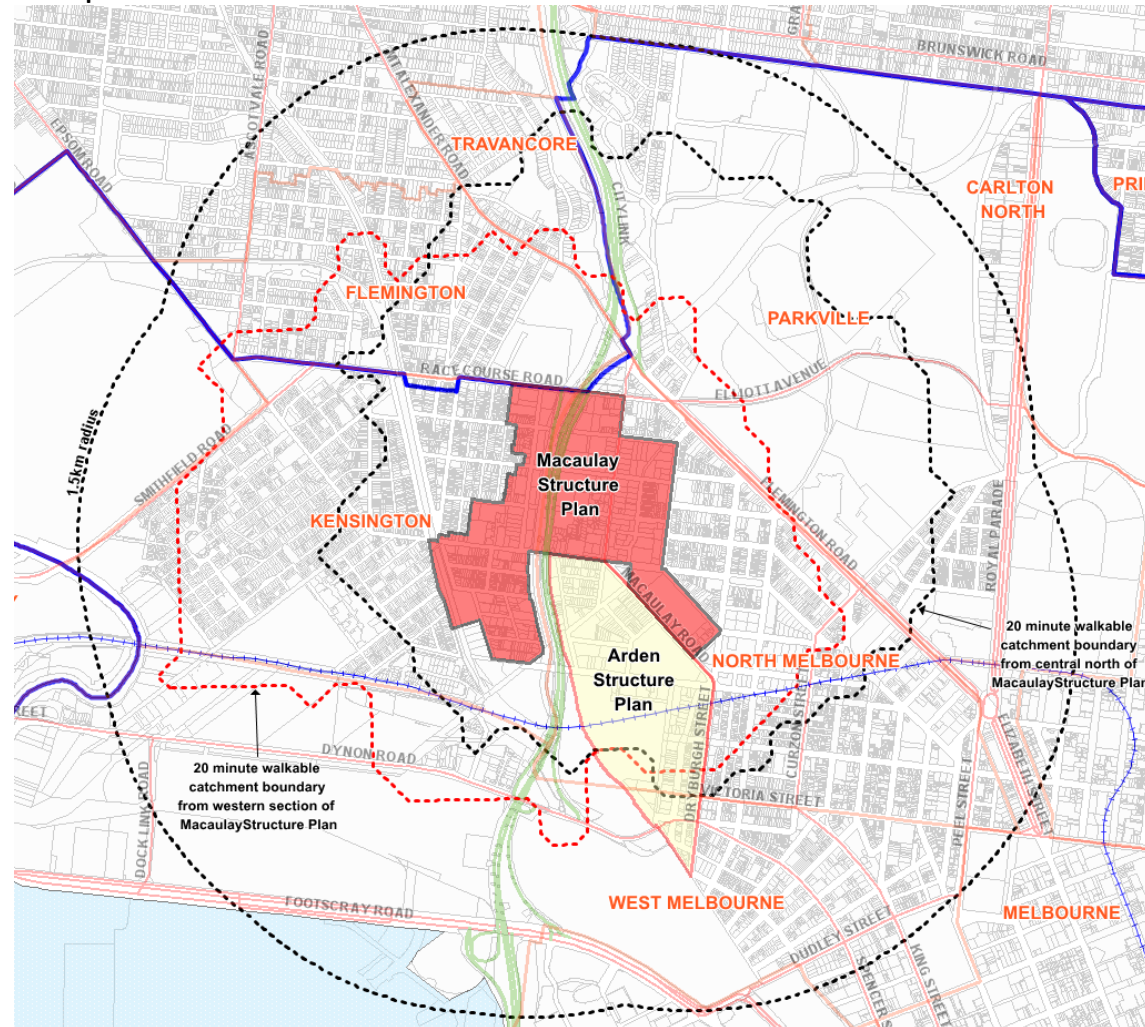
2.1 The 1.5 Kilometre Population Catchment & 20 Minute Walkable Catchment Areas

Figure 3 on the following page shows the 1.5-kilometre population catchment area of the subject site boundary, along with the 20-minute walkable catchment area from the centre of the Structure Plan area. Although the site is located within the suburbs of North Melbourne and Kensington (within the City of Melbourne), the 1.5-kilometre population catchment also includes parts of the following suburbs:

- Parkville to the north east and east (City of Melbourne);
- Flemington and Travancore to the north and north west (City of Moonee Valley);
- West Melbourne to the south and south west (City of Melbourne);
- Melbourne to the south east (City of Melbourne); and
- Carlton to the east (City of Melbourne).

The 20-minute walkable catchment area includes the western portion of North Melbourne, Kensington east, the southern portions of Flemington and Travancore, and the western half of Parkville.

Figure 3 – Subject Site 1.5 Kilometre Population Catchment & 20 Minute Walkable Catchment



3 Existing Public Land and Community Infrastructure within Macaulay Structure Plan Area

3.1 Existing Public Owned Land

The Macaulay Structure Plan area contains a relatively large proportion of existing public owned land. The continued use of this land for a variety of community infrastructure functions is critical to ensuring existing and future residents of the Structure Plan area, and the broader north west area region of the City of Melbourne, have access to a sufficient supply and diversity of public services and facilities including affordable housing. Approximately 17% of the Structure Plan area (approximately 12.2 hectares) is owned by various State Government Departments and the City of Melbourne. The major public land holdings include:

- 6 hectares of public housing estate land owned by the Department of Health and Human Services;
- Approximately 3.3 hectares occupied by the Victorian State Government's Victorian Archives Centre;
- 1.9 hectares of City of Melbourne owned land (consisting of the 1.6 hectare Buncle Street Reserve which includes the North Melbourne Community Centre and public open space, and 0.3 hectares accommodating the Jean McKendry Neighbourhood Centre and Hotham Hub Children's Centre); and
- 1 hectare of VicTrack¹ owned land.

3.2 Existing Community Infrastructure

Figure 4 on the following page shows the location of major existing community infrastructure forms and public open space within and near to the Macaulay Structure Plan area.

The major existing public open spaces include:

- Buncle Street Reserve (Neighbourhood Open Space, Playground and Multi-use outdoor court);
- Clayton Reserve;
- Moonee Ponds Creek corridor;

¹ VicTrack owns Victoria's transport land, assets and infrastructure.

- Bellair Street Reserve;
- Adjoining Robertson Street Reserve; and
- Adjoining Gardiner Reserve.

The major community facilities include:

- North Melbourne Community Centre (Maternal and Child Health Service Space, CoHealth, Family Support and Counselling Space, Youth Support Service Space, Bookable Activity Space – Large, Medium and Small, Playgroup);
- Hotham Hub Children's Centre (Long Day, Occasional Child Care and Kindergarten);
- Jean McKendry Neighbourhood Centre (Bookable Activity Space – Large, Medium and Small and Neighbourhood House); and
- A range of community facilities within a number of significant public housing estates (owned and managed by the Department of Health & Human Services – DHHS) located within the Macaulay Structure Plan area including the North Melbourne Language & Learning (a Neighbourhood House service). Refer to Section 3.2 for more details.

Other notable nearby community infrastructure to the Structure Plan area include:

- North Melbourne Recreation Reserve and Centre to the south.
- Royal Park, Royal Children's Hospital, St Aloysius College, St Michaels Catholic Primary and North Melbourne Primary School to the east;
- Kensington Primary School, Kensington Neighbourhood House, Holy Rosary Catholic Primary, Kensington Community High School, JJ Holland Park and various coHealth sites; and
- Debney Park, Hopetoun Children's Centre and Flemington Library to the north.



3.2.1 City of Melbourne Melrose Owned Community Infrastructure

As discussed in more detail in Section 4 of this Addendum, a key focus of the Macaulay Draft Structure Plan Refresh (2020) is the proposed redevelopment of existing community infrastructure within the Melrose sub-precinct, located in the eastern half of the Structure Plan area. Table 1 below summarises the key components of each community infrastructure item and what services and activities they currently offer.

Table 1 – Existing Community Infrastructure within Macaulay Structure Plan Area

Melrose Precinct Community Facility	Description	Facility Images
North Melbourne Community Centre	The North Melbourne Community Centre (NMCC) was developed in the 1960s and provides programs and services for the local community. The facility includes spaces for hire as well as areas for sports and recreation activities. A number of organisations currently provide community services at the centre, including: • YMCA • City of Melbourne Family Services team • cohealth community health services • Brotherhood of St Laurence HIPPPY program. This facility has a floor area of 1,534 square metres.	
Buncle Street Reserve South East- Playground / Community Garden	The south eastern section of the Reserve contains a playground and community garden managed by Cultivating Communities. The City of Melbourne Open Space Strategy recommends this Reserve be upgraded to potentially improve sporting use, picnic facilities and continue to support the community garden.	
Buncle Street Reserve North (Informal Recreation Function)	The northern section of the Reserve contains passive open space with a small informal soccer pitch. The City of Melbourne Open Space Strategy recommends this Reserve be upgraded to potentially improve sporting use, picnic facilities and continue to support the community garden.	
Buncle Street Reserve South West (Informal Recreation Function)	The south western section of the Reserve contains informal recreation infrastructure in the form of several half basketball courts and a small soccer pitch. The City of Melbourne Open Space Strategy recommends this Reserve be upgraded to potentially improve sporting use, picnic facilities and continue to support the community garden.	
Jean McKendry Neighbourhood Centre	With a large open main hall, kitchen and separate meeting rooms this centre is a popular meeting space for various culturally and linguistically diverse groups who provide a range of social and recreational activities for older people including singing, dancing, art and craft, cooking, sewing, meals, outings and more. This facility has a floor area of 486 square metres.	

Melrose Precinct Community Facility	Description	Facility Images
Hotham Hub Children's Centre	Hotham Hub is a 78 place facility which offers child care, long day care and an integrated kindergarten program. It has four main play rooms: • Room 1: 10 places from birth to 3 years • Room 2: 10 places from birth to 3 years • Room 3: 25 places from 2 to 4 years • Room 4: 33 places from 4 to 5 years	

Figure 5 on the following page shows the location of each these community infrastructure items.

Figure 5 - Location of Melrose Precinct Community Infrastructure



3.2.2 DHHS Owned Community Infrastructure

A significant feature of the Macaulay Structure Plan area are a number of high rise and low-rise public housing estates. Many of Victoria's larger scale public housing estates include indoor and outdoor community infrastructure. There are generally two primary functions for such facilities: 1) informal or structured tenant use, and 2) service provision use primarily targeted at public housing tenants².

Informal or structured tenant use is either managed externally (by DHHS or a community service organisation) or by tenants directly. This typically consists of a group of tenants with a shared interest (e.g. gardening, cooking, playing cards, an arts or cultural activity such as dancing or some form of exercise program), getting together informally to undertake the activity within the community facility. This is how the majority of community facilities on public housing estates are used (approximately 65%).

The use of community facilities as locations for direct and dedicated service provision (i.e. where a service is managed and used largely by a single service provider) accounts also for a significant proportion of use (approximately 35%). The major service providers include Neighbourhood House services (and Men's Sheds / Community Sheds), dedicated Ethno-Specific Community Group accommodation, Early Years Services, Information Services, Residential Aged Care, the Older Persons High Rise Support Program, Aged Care Social Support, Community Gardens, Neighbourhood Renewal, Arts & Cultural Activities, Social Services, Community Health Programs & Adult Education, Youth & Housing Support Services, Employment & Skills Training, Legal & Advocacy Services, Disability Services, Community Health Programs and Aboriginal Training Services.

Table 2 on the following page provides a list of the major community facilities located within the various public housing estates in the Macaulay Structure Plan area. They include the Alfred Street North Melbourne Community Garden, North Melbourne Language and Learning Centre, Salvation Army Support in Public Housing Program and a variety of general community meeting spaces.

It is also important to note that the larger public housing estates also contain a relatively large proportion of open space that provides invaluable amenity for public housing tenants and surrounding residents.

² Source: ASR Research, Audit of Management and Utilisation of Director of Housing Owned Community Facilities, prepared for the Department of Health & Human Services (2015)

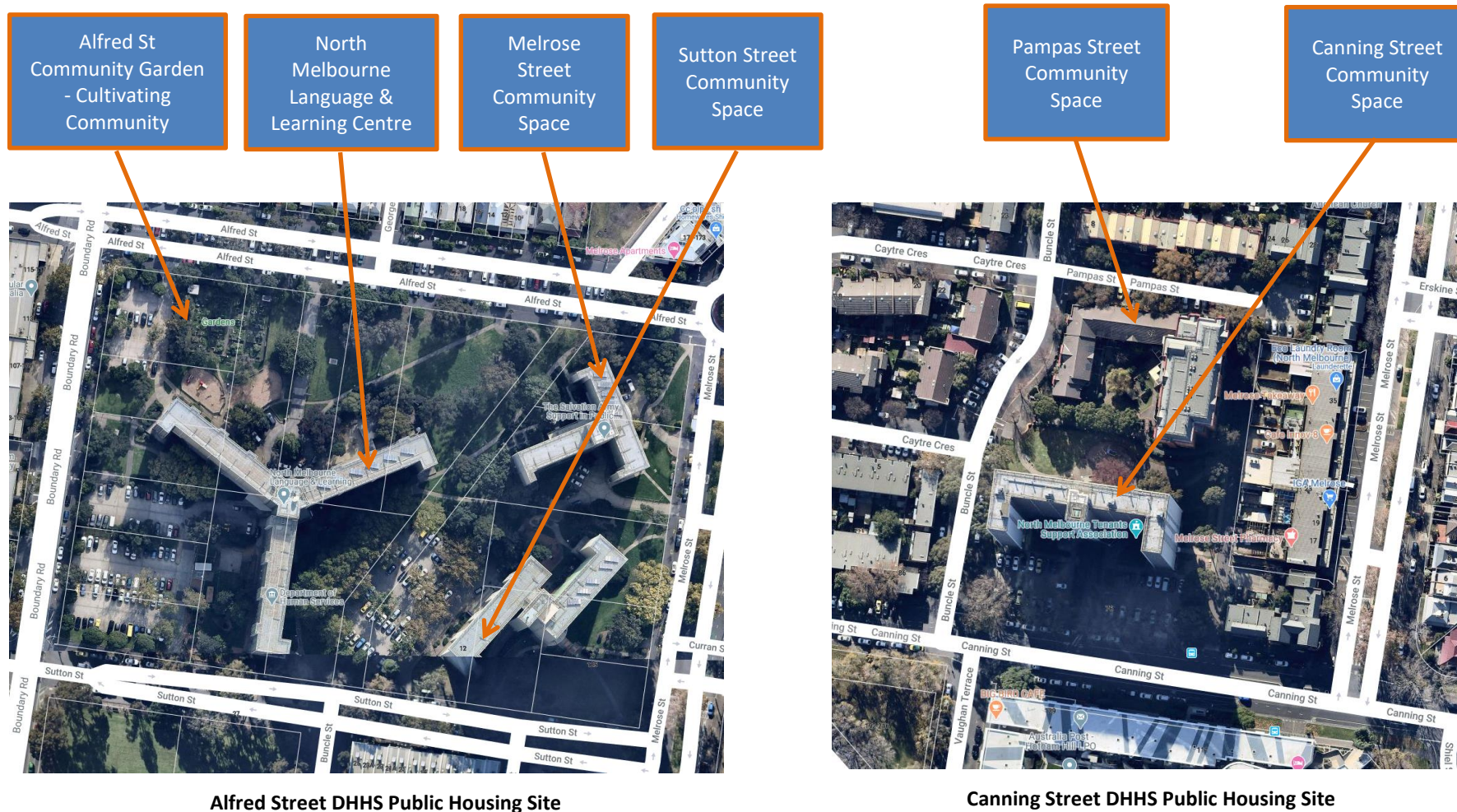
Table 2 – Existing DHHS Owned Community Infrastructure within Macaulay Structure Plan Area

Facility Reference Name	Facility Description	Floor Area (m2)	Facility Image
Alfred Street North Melbourne Community Garden – Cultivating Communities	Outdoor community garden	Not applicable	
33 Alfred St, North Melbourne – North Melbourne Language and Learning Centre	Contains 2 classrooms, 2 computer rooms, 4 offices, staff area, a kitchen, a foyer, a reception area and 8 toilets.	277	
Room 2	Community space	114	
Multipurpose Room	Contains a meeting room, an office, a kitchen and 2 toilets.	70	
159 Melrose St, North Melbourne – Salvation Army Support in Public Housing Program	Contains a community hall, stage, 2 store rooms and a kitchen.	210	
9 Pampas St, North Melbourne	Contains a meeting room and kitchenette. A toilet is externally located in the foyer of the main building the facility is located within.	52	
76 Canning St, North Melbourne	Contains 2 meeting rooms, a kitchen, a storage room, a 1 toilet.	260	
12 Sutton St, North Melbourne	Community space	68	

Source: ASR Research, Audit of Management and Utilisation of Director of Housing Owned Community Facilities, prepared for the Department of Health & Human Services (2015)

Figure 6 on the following page shows the location of each these DHHS community infrastructure items.

Figure 6 - Location of Existing Community Infrastructure on DHHS Public Housing Sites



4 Review of Key Documents

This section reviews two key documents that form the basis of the Addendum assessment: 1) Macaulay Draft Structure Plan Refresh (2020), and 2) the Arden and Macaulay Community Infrastructure Review (2018).

4.1 Macaulay Draft Structure Plan Refresh (2020)

The sections of the Plan most relevant to this assessment relate to objective 8 (community facilities) and objectives 13, 14 and 16 (new and existing public open space measures, Moonee Ponds Creek improvement measures and green street measures).

4.1.1 Community Facilities

Objective 8 of the *Macaulay Draft Structure Plan Refresh* is to ensure adequate provision and good access to community infrastructure within and around Macaulay.

Adopting the recommendations of the *Arden and Macaulay Community Infrastructure Review* (reviewed below in Section 3.2), the Draft Structure Plan identifies the need for two community infrastructure hubs located within the Macaulay area:

- Development of a new community hub in North Melbourne to expand and better integrate existing community and recreation facilities and services.
- An additional community hub on or near Macaulay Road to the west of Moonee Ponds Creek.

The Draft Structure Plan also notes that a proposed Government Primary School is to be provided in Arden Central (a sub-precinct of the Arden Structure Plan) and potentially a Government Secondary School in the Melrose sub-precinct of the Macaulay Structure Plan area.

In summary, the Plan specifies the following two key 'delivery' actions:

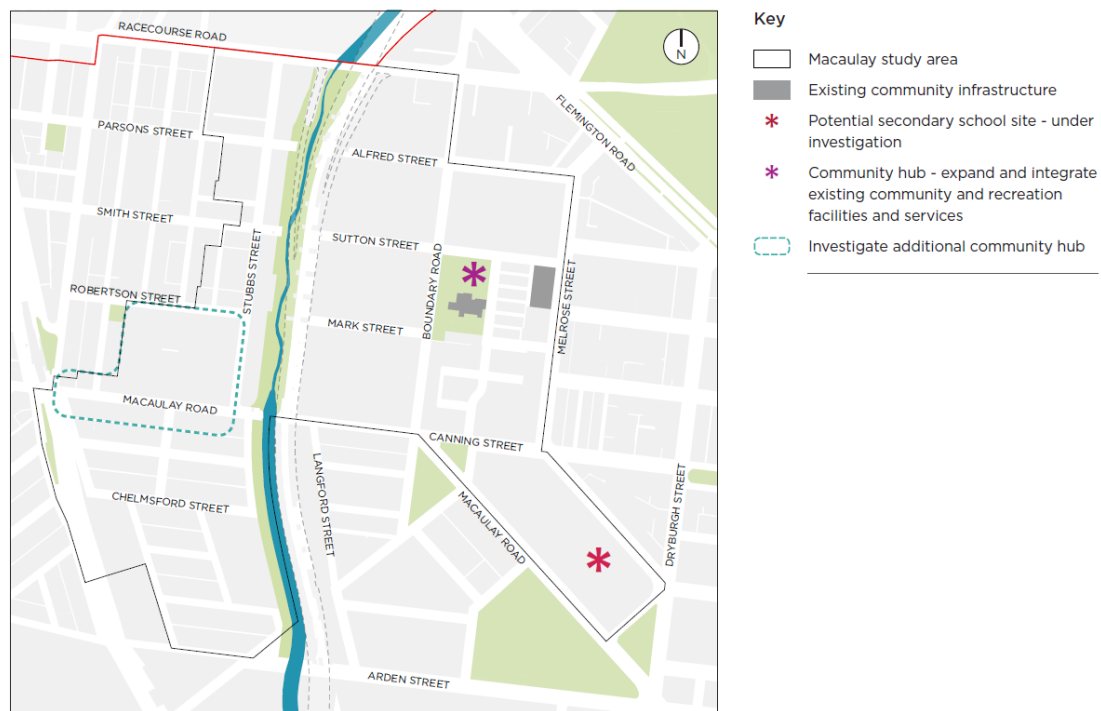
- Action 22: Further investigate future community infrastructure needs and identify the location, concept design and delivery arrangements for the redevelopment of community and recreation facilities and services in North Melbourne.
- Action 23: Further investigate the delivery of an additional hub in Kensington including opportunities to partner with the private sector.

The Plan also specifies the following key ‘advocacy’ actions:

- Action 24: Advocate to the Department of Education and Training for a Secondary School in North Melbourne.
- Action 25: Advocate for public transport improvements to enable improved access to community infrastructure in Arden and Macaulay. This includes the extension of any future high capacity public transport to Arden along Boundary Road.

Existing and proposed community infrastructure initiatives are shown in Figure 7 below.

Figure 7 - Existing and Proposed Community Infrastructure



Source: Macaulay Draft Structure Plan Refresh (2020)

4.1.2 Public Open Space

Objective 13 of the *Macaulay Draft Structure Plan Refresh* is to deliver open space in Macaulay by improving and expanding existing open spaces, revitalising the Moonee Ponds Creek corridor (Objective 16), providing new open space on larger land holdings and reallocating some roadway and parking in the street network (Objective 14).

The Plan identifies the following major open space measures:

- The need for two neighbourhood parks (minimum 1 hectare in size) and 4 new local open spaces 0.26 to 0.9 hectares in size;

- Upgrade of the Buncle Street Reserve to potentially improve sporting use, picnic facilities and continue to support the community garden;
- Investigate opportunities to expand the Robertson Street Reserve;
- Improved access to a revitalised Moonee Ponds Creek including improved recreation opportunities along the western creek bank, south of Macaulay Road; and
- Increased tree planting along footpaths or existing painted central medians such as Robertson Street in Kensington.

These measures and others are shown in Figure 8 below.

Figure 8 - Proposed Open Space Opportunities



Source: Macaulay Draft Structure Plan Refresh (2020)

4.2 Arden and Macaulay Community Infrastructure Review (2018)

The *Arden and Macaulay Community Infrastructure Review*, prepared by Ethos Urban with support from Social Fabric Planning, provides a desktop analysis of community infrastructure requirements to support the health, wellbeing and social inclusion of the area's future population until the year 2036.

Community infrastructure is defined by the report as:

“Public places and spaces that accommodate community facilities and services and support individuals, families and groups to meet their social needs, maximise their potential and enhance community wellbeing (City of Melbourne Community Infrastructure Development Framework (CIDF), 2014).

Community infrastructure types, as outlined within the CIDF, includes:

- Aquatic facilities and recreation centres
- Community meeting spaces
- Childcare
- Early years services
- Maternal and child health services
- Libraries
- Youth spaces
- Community arts and activity spaces
- Disability and aged services
- Men’s sheds
- Neighbourhood houses
- Community garden
- Volunteer emergency services
- Health centres
- Aged care facilities
- Primary and secondary schools.

This report recommends the delivery of two community infrastructure hubs for the Macaulay Structure Plan area (an intergenerational Community Hub in Macaulay East and a Family Hub in Macaulay West). The service and facility elements recommended for each of these hubs (divided into essential and complementary infrastructure) is summarised in Table 3 below.

Table 3 – Macaulay Community Infrastructure Hub Recommendations

Commence Partnership Phase	Hub	Facilities & Services
2016 (Current)	Intergenerational Community Hub (Macaulay East)	Essential Community Infrastructure X1 Long day care and occasional child care X1 Kindergarten X2 Maternal and Child Health X2 Playgroup space X2 Community Bookable Meeting Space (small and medium) X1 Community Bookable Meeting Space (large) X1 Community activity space - Youth X1 Neighbourhood house X2 Community Activity Space – Older People (Small) X2 Studio and Co-Working Spaces X1 Offices for Youth Support Services X2 Offices for Family Support and Counselling Complementary Infrastructure Co-Working Space Community kitchen Community garden Men’s shed Community health centre Access to open space / playground Community Activity Spaces – Older People (Large) Exhibition space
2026	Family Hub (Macaulay West)	Essential Community Infrastructure X1 Long day care x1 Kindergarten x1 Maternal and Child Health x1 Community Bookable Meeting Space (small and medium) Community Activity Spaces – Older People (small)

Commence Partnership Phase	Hub	Facilities & Services
		x1 Playgroup Complementary Infrastructure Community kitchen Community garden Access to open space / playground Family support and counselling Youth activity space

Source: Arden and Macaulay Community Infrastructure Review (2018)

Figure98 below shows the indicative location for the Family Hub (Macaulay West Precinct).

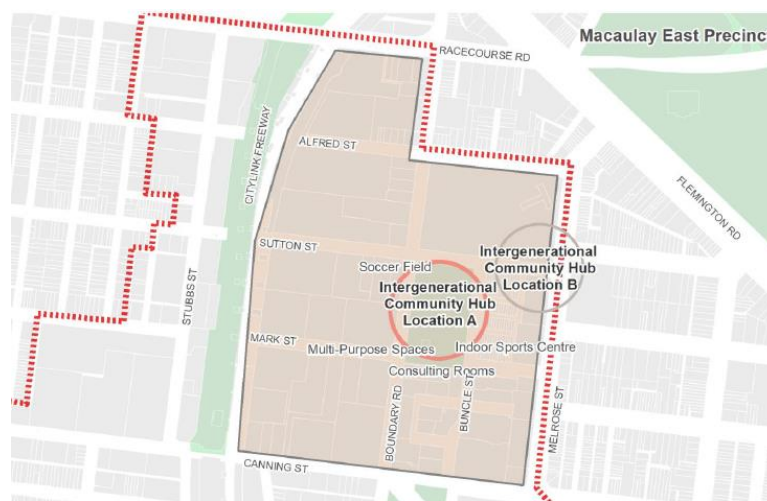
Figure 9 - Indicative Location for Family Hub (Macaulay West Precinct)



Source: Arden and Macaulay Community Infrastructure Review (2018)

Figure 10 below shows the indicative location for the Intergenerational Community Hub (Macaulay East Precinct).

Figure 10 - Recommended locations for the Intergenerational Community Hub (Macaulay East Precinct)



5. Community Infrastructure Demand & Supply Estimates

5.1 Community Infrastructure Standards and Demand and Supply Estimates

Appendix 3 of this report provides indicative estimates for various forms of community infrastructure that lend themselves to some form of quantifiable demand and / or supply measure. The source of these demand / supply measures is also identified in Appendix 3. ***It should be emphasised that the numbers indicated should not be interpreted as final provision recommendations for the Arden Structure Plan area.*** Community infrastructure assessments also require existing strategic priorities be taken into consideration, as well as the capacity of existing services and facility to meet current and future needs.

5.2 Macaulay Structure Plan Dwelling and Population Assumptions

Three development scenarios were considered for this assessment: 1) a low development scenario; 2) a moderate development scenario, and 3) a high development scenario.

The dwelling and population assumptions for the low development scenario are as follows:

- A dwelling yield of approximately 5,200 dwellings;
- Average household size of 1.98³; and
- Population yield of approximately 10,300.

The dwelling and population assumptions for the moderate development scenario are as follows:

- A dwelling yield of approximately 7,100 dwellings;
- Average household size of 1.98; and
- Population yield of approximately 14,100.

The dwelling and population assumptions for the high development scenario are as follows:

- A dwelling yield of approximately 9,200 dwellings;
- Average household size of 1.98; and
- Population yield of approximately 18,200.

³ Source: City of Melbourne.

The age cohort specific population yields anticipated for each development scenario are shown in Table 4 on the following page. The age cohorts shown reflect a requirement for (but not necessarily restricted to) the following types of services and / or facilities:

- 0 – 3 Years – Maternal and Child Health Services, Playgroups;
- 3 and 4 Years – 3 and 4 Year Old Kindergarten;
- 0-6 Years – Long Day Child Care, Occasional Child Care, Maternal and Child; Health Services, Family Day Care, Specialist Early Intervention Services;
- 5-11 Years – Primary School, After Hours School Care, School Holiday; Programs, Family Day Care;
- 0-14 Years – Participation by children in organised sport and leisure activities
- 12-17 Years – Secondary School, School Holiday programs;
- 15 years and over – Participation in organised sport and leisure activities
- 70+ Years – HACC Services, Nursing Homes/Aged Hostels / Retirement Villages;
- Centre Based Support Services (e.g. Planned Activity group); and
- All population age cohorts – Libraries, Neighbourhood Houses etc.

Table 4 – Target Population Projections for key Community Infrastructure Age Cohorts

Age Cohort	Community infrastructure types the age cohort is relevant to	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Moderate Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
0-3	MCH, Playgroups	447	613	794
3	3 Year Old Kindergarten	112	153	199
4	4 Year Old Kindergarten	112	767	199
0-4	Long Day Child Care & Occasional Child Care	559	750	993
5-11	Primary School, out of school hours care	547	1,777	971
0-14	Participation in organised children's sport	1,296	12,299	2,302
15+	Participation in organised youth & adult sport	8,968	3,049	15,930
15-24	Participation in higher education (youth & young adult)	2,223	9,250	3,949
25+	Participation in higher education (older adults)	6,745	869	11,981
12-17	Secondary School enrolments	634	981	1,125
70+	Residential & home based aged care services	715	13,096	1,270
Total Population		10,264	14,077	18,232
Dwellings		5,184	7,113	9,208

5.3 Preliminary Estimates of Demand and Supply Requirements

Table 5 on the following pages summarises the key findings, issues and preliminary demand and supply estimates associated with the proposed development of the Macaulay Structure Plan area. This analysis will be used to inform future stages of the community infrastructure planning process.

Table 5 - Preliminary Estimates of Demand and Supply Requirements

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
Passive Open Space	There are four main public open space reserves within the Macaulay Structure Plan area: 1) Buncle Street Reserve (located within the Melrose sub-precinct); 2) Moonee Ponds Creek Corridor (which runs north / south through the Structure Plan area); 3) Clayton Reserve (Melrose Precinct) and 4) Bellair Street Reserve (located in the Chelmsford Precinct). Other notable public open space assets located adjacent, but outside of the Macaulay Structure Plan boundary include the North Melbourne Recreation Reserve (to the south east), Gardiner Reserve (to the south east) and Robertson Street Reserve (to the east). The open space directions for the Macaulay Structure Plan area are informed by a number of existing strategic documents and the Melbourne Planning Scheme. These indicate the following: • In this location, the Melbourne Planning Scheme requires a 7.06% unencumbered public open space contribution, preferably in the form of land. • The City of Melbourne Open Space Strategy (2012) anticipates the creation and upgrade of a diverse range of new and existing open spaces throughout the Macaulay Structure Plan area. • The Moonee Ponds Creek Strategic Opportunities Plan (2019) outlines opportunities to revitalise Moonee Ponds Creek with a chain of parklands, new open spaces and wetlands. The Moonee Ponds Creek runs for 25 kilometres through several established suburbs, such as Kensington, North Melbourne and West Melbourne, and alongside urban renewal areas of Arden, Macaulay, Dynon and E-Gate. This assessment recommends the passive open space strategy for the Macaulay Structure Plan should seek to achieve the following outcomes:	This assessment endorses the range of public open space and public realm measures identified by the <i>Macaulay Draft Structure Plan Refresh</i> .	This assessment endorses the range of public open space and public realm measures identified by the <i>Macaulay Draft Structure Plan Refresh</i> .	This assessment endorses the range of public open space and public realm measures identified by the <i>Macaulay Draft Structure Plan Refresh</i> .

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	- A minimum of 7.06% additional unencumbered public open space as per Melbourne Planning Scheme requirements; - An upgrade (and potential expansion) of the Buncle Street Neighbourhood Open Space located in the Melrose Precinct. - The creation of new small local open spaces in the Stubbs and Boundary sub-precincts; - Investigate opportunities to expand the existing Robertson Street Reserve; - Expansion and embellishment of the western side of the Moonee Ponds Creek environs in both the Stubbs and Chelmsford sub-precincts; and - Increased tree planting along footpaths or existing painted central medians such as Robertson Street in Kensington.			
Active Open Space	The nearest active open space reserves to the Macaulay Structure Plan area that cater for organised sport include: 1. North Melbourne Recreation Reserve (note: the North Melbourne Football Club is the major tenant of the oval and local community use is limited. A recently constructed smaller 0.13 hectare synthetic playing field, located on the western boundary of the Reserve, functions as a blind soccer pitch and is also available for general community use⁴); 2. Debneys Park (located in the City of Moonee Valley); 3. Royal Park (includes Manning Reserve, State Netball & Hockey Centre and other Royal Park playing fields);	In relation to major participation sports the development of the Macaulay Structure Plan area is likely to generate the following number of participants (approximate number): • Australian football – 430 • Basketball – 380 • Tennis – 370	In relation to major participation sports the development of the Macaulay Structure Plan area is likely to generate the following number of participants (approximate number): • Australian football – 590 • Basketball – 520 • Tennis – 510	In relation to major participation sports the development of the Macaulay Structure Plan area is likely to generate the following number of participants (approximate number): • Australian football – 770 • Basketball – 670 • Tennis – 660

⁴ The multi-purpose sports pitch also hosts basketball, futsal and netball and has been built alongside a new community picnic area and public exercise equipment.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	4. JJ Holland Reserve; and 5. Newmarket Reserve. The City of Melbourne has indicated that those reserves listed above containing natural turf playing fields are generally operating at capacity for both training and organised sporting competition. Consequently, the ability of these reserves to accommodate the additional demands generated by the urban renewal locations such as the Arden Structure Plan area are very limited without new sites for outdoor playing fields and courts being constructed in the municipality. Due to planning scheme constraints and the high-density nature of the Arden Structure Plan area, opportunities to secure sufficient land within the Structure Plan area to satisfy the needs of traditional large footprint sports such as Australian rules football and cricket are very limited and potentially very costly. The City of Melbourne Open Space Strategy (2012) identifies that the organised and unstructured sport and recreational needs of the future population of North Melbourne would be provided for at the proposed Municipal open space in Dynon Rail Corridor (West Melbourne) and at E-Gate. A 2017 report prepared for the City of Melbourne assessed sports facility provision needs across the municipality by planning precinct for the following sports: 1) Australian Rules Football (ARF), Cricket, Indoor sports (largely basketball and netball usage), Lawn Bowls, Netball, Soccer and Tennis. The Macaulay Structure Plan area is located within the City West Planning District which consists of North Melbourne, West Melbourne Residential, West Melbourne Industrial and Kensington. In order to address the future needs of the City West Planning Precinct the report recommended the establishment of 4	• Golf – 340 • Netball – 280 • Cricket – 280 • Football/soccer – 260 • Bowls – 80 • Hockey – 70	• Golf – 460 • Netball – 390 • Cricket – 390 • Football/soccer – 360 • Bowls – 110 • Hockey – 100	• Golf – 600 • Netball – 500 • Cricket – 500 • Football/soccer – 460 • Bowls – 150 • Hockey – 125

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	additional ARF ovals, 3 cricket ovals (which are typically shared with ARF ovals), 3 indoor courts, 4 netball courts, 4 soccer playing fields and no additional tennis court provision. In order to meet some of the additional informal and formal recreation demands generated by the Structure Plan area this assessment recommends a number of measures be pursued. Recommended on-site measures to support informal and formal recreation needs within the Macaulay Structure Plan area include: • Undertaking a more detailed investigation into the potential future use of the Victorian Archives site (a State Government owned site approximately 3.3 hectares in size located in the Macaulay Structure Plan area) as a priority location for accommodating future community infrastructure including formal outdoor recreation. • Exploring the feasibility of redeveloping the existing Buncle Street Reserve (which includes the North Melbourne Community Centre) to better meet the outdoor informal recreation needs of the local community. • Identifying priority locations (within either existing or future open spaces) where outdoor recreation infrastructure can be incorporated into key walking routes and parks throughout the Structure Plan area.			
Council Indoor & Aquatic Leisure Centres	The Macaulay Structure Plan area contains the North Melbourne Community Centre, a City of Melbourne owned facility managed by the YMCA. The Centre has a range of sporting facilities including a 1 court indoor stadium (basketball, soccer, netball, handball, futsal and streetball) and an outdoor synthetic soccer pitch, both of which are available for hire. It also includes a gym, a large community hall, games room and meeting room. The North Melbourne Community Centre is an	The Macaulay Structure Plan area is likely to generate the equivalent of: • An additional 350 Council aquatic leisure centre memberships;	The Macaulay Structure Plan area is likely to generate the equivalent of: • An additional 480 Council aquatic leisure centre memberships;	The Macaulay Structure Plan area is likely to generate the equivalent of: • An additional 620 Council aquatic leisure centre memberships;

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	ageing facility which has limited functionality as an indoor recreation centre. The 1.5-kilometre catchment area also contains three key municipal / State indoor recreation facilities: 1) the North Melbourne Recreation Centre (gym, 1 indoor court and 25m outdoor pool), 2) the Kensington Community Recreation Centre (gym, 1 indoor court, indoor 25m pool, 3 outdoor tennis courts), and 3) the State Netball & Hockey Centre to the east (two outdoor hockey fields, four outdoor and five indoor netball courts). There are two major proposals that have relevance to indoor recreation provision considerations for the Macaulay Structure Plan area: 1) the State Government committed \$60 million redevelopment of Victoria's State Netball and Hockey Centre, and 2) the City of Melbourne plan to fully redevelop the Kensington Community Recreation Centre. In early 2017, a \$60 million masterplan to redevelop Victoria's State Netball and Hockey Centre was submitted to the Victorian State Government by both Netball Victoria and Hockey Victoria. It would address a lack of inner-city netball courts and hockey fields and increase capacity for sports such as gymnastics and martial arts. The redevelopment will result in: • 6 new indoor netball courts to replace the current 4 outdoor courts, bringing the total number of usable netball courts to 11 • A new indoor hockey facility to support the new and emerging sport of indoor hockey • A high-performance strength and conditioning gym • The Women in Sport Leadership Centre	• 3,100 fitness / gym participants; • 900 swimming participants; and • 1 indoor court.	• 4,220 fitness / gym participants; • 1,230 swimming participants; and • 1.4 indoor courts.	• 5,500 fitness / gym participants; • 1,600 swimming participants; and • 1.8 indoor courts.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	- Sports House 2 - modelled on 'Sports House' at the Melbourne Sports and Aquatic Centre, and providing a home for the peak sporting bodies Netball Victoria and Hockey Victoria - Upgrades to amenity and infrastructure including: the development of a new front entrance, providing for improved circulation and improving access to local public transport. The City of Melbourne plans to undertake a full redevelopment of the Kensington Community Recreation Centre (estimated cost of \$40 million) and create a new two-level facility including refurbishing the 25 metre pool to be fully accessible, adding a new pool deck and hall, wet and dry change facilities, multipurpose courts, larger gymnasium facilities, program and consulting rooms, a cafe and administration offices. This assessment supports the establishment of a new indoor recreation centre servicing the north west sub-region of the City of Melbourne. Based on consultation with Council's Recreation and Waterways Department this proposed new facility will both replace the current recreation functions of the North Melbourne Community Centre (containing one multipurpose indoor court) as well as meet the future population demands generated by the Macaulay Structure Plan area abutting urban renewal locations such as the Arden Structure Plan. Although a site for this facility has yet to be confirmed, there are a number of potential site options requiring further detailed assessment including the Buncle Street Reserve, the Melrose Street Community Hub and the Victorian Archives Centre site. This assessment recommends that the proposed new indoor recreation centre contain: 1) 3 multipurpose indoor courts; 2) a gymnasium, and 3) a multipurpose room.			

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
Early Years Services	The 1.5-kilometre catchment area contains 1 sessional Kindergarten facility, 8 long day child care facilities, 2 occasional child care facilities and 3 maternal and child health services. The Arden Vision (2018) anticipates the creation of two new community hubs. The City of Melbourne’s 2012 Arden–Macaulay Structure Plan identifies the opportunity for a community hub in each precinct. These community hubs will be co-located with existing and proposed activity centres. They will be designed in consultation with the community to meet the growing demand for a range of spaces that bring people together. They are likely to include spaces for meetings, performances, play, learning and accessing resources. The nearby Lady Huntingfield Early Learning and Family Services Centre is being rebuilt to better meet the needs of the growing and diverse population, as a multi-functional and integrated child and family centre. Construction has now commenced and the new centre will open in 2021. The operations of the Hotham Hub Children’s Centre, a 78 place long day child care City of Melbourne owned facility located in the adjoining Macaulay Structure Plan area, is proposed to be relocated to the Lady Huntingfield Early Learning and Family Services Centre. Another City of Melbourne owned facility located within the Macaulay Structure Plan area, the North Melbourne Recreation Centre also accommodates an important range of early years services delivered by multiple agencies including cohealth (e.g. asthma education counselling, dietitian, occupational therapy, physiotherapy, social work and speech therapy).			

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The City of Melbourne Community Infrastructure Implementation Framework (2014) recommends Melbourne City Council undertake two relevant actions in relation to early years service provision in North Melbourne: • a feasibility study of the North Melbourne Community Centre to improve both the quality and capacity of the Centre to meet a variety of functions and services including family and children's services; and • the establishment of a family, children's and aged services hub. Based on the analysis of specific forms of early years services presented below, this assessment supports the establishment of a new Macaulay West Community Hub as identified in the <i>Macaulay Draft Structure Plan Refresh</i> document, along with a detailed review of the future role and functions of the existing Hotham Children's Centre and North Melbourne Community Centre.			
	<u>Long Day Child Care</u> Over 90% of long day child care in the City of Melbourne is provided by the private or not-for-profit sector. Melbourne City Council operates 3 facilities, two of which are located in North Melbourne. The Macaulay Structure Plan area should continue to facilitate additional long day child care provision from the private or not-for-profit sector, preferably located in the Macaulay West area, and adjacent to the location of the Macaulay West Community Hub.	The Macaulay Structure Plan area is likely to generate the equivalent of 220 Long Day Child Care places (approximately 2 large long day child care centres).	The Macaulay Structure Plan area is likely to generate the equivalent of 300 Long Day Child Care places (approximately 2 to 3 large long day child care centres).	The Macaulay Structure Plan area is likely to generate the equivalent of 390 Long Day Child Care places (approximately 3 to 4 large long day child care centres).
	<u>Occasional Child Care</u> The Macaulay Structure Plan area should facilitate additional occasional child care provision via the use of at least one of the additional Kindergarten rooms proposed for the Macaulay West Community Hub.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 16 Occasional Child Care places (approximately 1 centre).	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 22 Occasional Child Care places (approximately 1 centre).	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 28 Occasional Child Care places (approximately 1 centre).

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	<u>4 & 3 year old sessional Kindergartens</u> Based on the demand estimates generated this assessment recommends the provision of an additional 4 sessional Kindergarten rooms to be incorporated within both the Macaulay West Community Hub (2 rooms) and the Macaulay East Community Hub (2 rooms)	The Macaulay Structure Plan area is likely to generate 56 enrolments for four-year-old Kindergarten programs, and 84 enrolments for three-year-old kindergarten. To satisfy the demand for both three and four year old sessional kindergarten, approximately 2 additional kindergarten rooms will be required (each room licensed for 33 places).	The Macaulay Structure Plan area is likely to generate 77 enrolments for four-year-old Kindergarten programs, and 115 enrolments for three-year-old kindergarten. To satisfy the demand for both three and four year old sessional kindergarten, approximately 3 additional kindergarten rooms will be required (each room licensed for 33 places).	The Macaulay Structure Plan area is likely to generate 99 enrolments for four-year-old Kindergarten programs, and 132 enrolments for three-year-old kindergarten. To satisfy the demand for both three and four year old sessional kindergarten, approximately 4 additional kindergarten rooms will be required (each room licensed for 33 places).
	<u>Maternal & Child Health / Family Support & Counselling Services</u> Based on the demand estimates generated this assessment recommends that the Macaulay Structure Plan area facilitate the provision of an additional 2 MCH consulting rooms and 2 consulting rooms for complimentary family support and counselling services. These services should preferably be integrated within the proposed Macaulay West Community Hub. <u>Playgroups</u> Playgroup activities can be accommodated within either flexible community meeting spaces or Kindergarten rooms to be incorporated within the Macaulay Structure Plan area (i.e. the Macaulay West Community Hub and the Macaulay East Community Hub).	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 9 MCH sessions per week (approximately 1 MCH consulting room). Demand estimates for family support and counselling services are difficult to determine due to insufficient data. The Macaulay Structure Plan area is likely to generate the equivalent of an additional 3 playgroup sessions per week.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 1.2 MCH sessions per week (approximately 1 MCH consulting room). Demand estimates for family support and counselling services are difficult to determine due to insufficient data. The Macaulay Structure Plan area is likely to generate the equivalent of an additional 4 playgroup sessions per week.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 1.5 MCH sessions per week (approximately 1 MCH consulting room). Demand estimates for family support and counselling services are difficult to determine due to insufficient data. The Macaulay Structure Plan area is likely to generate the equivalent of an additional 5 playgroup sessions per week.
Multipurpose Community Centres and Council	The 1.5-kilometre catchment contains a number of community facilities offering a wide variety of functions and meeting spaces to the general	The Macaulay Structure Plan area is likely to generate the equivalent of 1.7 community	The Macaulay Structure Plan area is likely to generate the equivalent of 2.4 community	The Macaulay Structure Plan area is likely to generate the equivalent of 3.1 community

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
Community Meeting Spaces	community and organisations. Existing Council community facilities offering meeting spaces for hire include: • North Melbourne Recreation Centre; • North Melbourne Pool; • North Melbourne Community Centre; • Jean McKendry Neighbourhood Centre; • North Melbourne MCH Centre; • North Melbourne Library; • North Melbourne Town Hall; • Meat Market; and • Kensington Neighbourhood Centre. The scale of development proposed for the Macaulay Structure Plan area is sufficiently large to justify the provision of two new multipurpose community centres. This assessment recommends the establishment of: 1) the Macaulay West Community Centre, and 2) the Macaulay East Community Centre. Although both facilities should contain common elements such as a diverse range of flexible community meeting spaces, the Macaulay West Community Centre will have a greater focus on the provision of early years services, while the Macaulay East Community Centre will have a greater focus on accommodating both Council and non-Council community services, some of which are currently operating from the North Melbourne Community Centre and Jean McKendry Neighbourhood Centre. The provision of the Macaulay East Community Centre will be a larger facility (approximately 3,000 square metres) that will include the net existing community space available to the local community via the North Melbourne Recreation Centre (approximately 1,000 square metres which excludes the indoor recreation components) and Jean McKendry Neighbourhood Centre (approximately 500 square metres).	centres accommodating meeting spaces.	centres accommodating meeting spaces.	centres accommodating meeting spaces.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	This assessment also recommends the City of Melbourne undertake a detailed review of the future role and function of existing community facilities located within the Structure Plan area such as the North Melbourne Community Centre, Jean McKendry Neighbourhood Centre and Hotham Children's Hub, to determine the future of each of these facilities. Other community meeting space needs should also be assessed as part any new community infrastructure investigation or initiatives focused on the North Melbourne Public Housing Estate.			
Adult Learning / Neighbourhood Houses U3A	The 1.5-kilometre catchment area contains three existing Neighbourhood Houses. These are: • North Melbourne Language & Learning to the north (within the North Melbourne Public Housing Estate); • The Centre to the east; and • Kensington Neighbourhood House to the west. U3A Melbourne City, a self-funded, voluntary organisation formed to provide learning opportunities to members aged 50+ who are retired or working part-time, operate from a number of venues across the City of Melbourne. However, the organisation does not have a significant presence in the North West sub-region of the City of Melbourne. Although the catchment area is serviced by a number of existing Neighbourhood Houses, the Macaulay Structure Plan area provides an opportunity to include spaces from which these services can delivery accredited courses, programs and activities. These could include the proposed new Macaulay West Community Hub, proposed Arden North Cultural & Community Hub and the potential repurposing of existing	The Macaulay Structure Plan area is likely to generate the equivalent of 310 Neighbourhood House users per week and an additional 0.4 Neighbourhood House facilities.	The Macaulay Structure Plan area is likely to generate the equivalent of 420 Neighbourhood House users per week and an additional 0.6 Neighbourhood House facilities.	The Macaulay Structure Plan area is likely to generate the equivalent of 550 Neighbourhood House users per week and an additional 0.8 Neighbourhood House facilities.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	Council facilities in the area. This assessment also recommends the establishment of a new Macaulay East Community Centre which would include spaces suitable for the operations of a Neighbourhood House (e.g. classroom spaces, larger meeting spaces for informal activities and administrative spaces). Opportunities to enhance Neighbourhood House service delivery should also be assessed as part any new community infrastructure investigation or initiatives focused on the North Melbourne Public Housing Estate. Opportunities to enhance Neighbourhood House service delivery should also be assessed as part any new community infrastructure investigation or initiatives focused on the North Melbourne Public Housing Estate.			
Arts / Cultural	The 1.5-kilometre catchment area contains the following three major City of Melbourne owned or managed arts facilities: • The North Melbourne Arts House (a centre for contemporary performance and interactive artforms in Melbourne); and • The North Melbourne Arts House Warehouse (a flexible space in North Melbourne for small performances, galleries, exhibitions, meetings and events); and • Meat Market (contains five dedicated spaces available for hire and functions as a hub for creative arts and cultural productions). Museums located in the catchment area include the Grainger and Hellenic Museums. It should be noted that the catchment area also includes a wide variety of privately owned / operated arts studios, workshops and rehearsal spaces (refer to Creative Spaces website for more details http://www.creativespaces.net.au/).	The Macaulay Structure Plan area is likely to generate the following participation levels in various forms of arts and cultural activities: • Performing in a drama, comedy, musical or variety act – 658 participants; • Singing or playing a musical instrument – 684 participants; • Dancing – 646 participants; • Writing – 543 participants; • Craft activities – 664 participants;	The Macaulay Structure Plan area is likely to generate the following participation levels in various forms of arts and cultural activities: • Performing in a drama, comedy, musical or variety act – 903 participants; • Singing or playing a musical instrument – 938 participants; • Dancing – 885 participants; • Writing – 774 participants; • Craft activities – 911 participants;	The Macaulay Structure Plan area is likely to generate the following participation levels in various forms of arts and cultural activities: • Performing in a drama, comedy, musical or variety act – 1,170 participants; • Singing or playing a musical instrument – 1,214 participants; • Dancing – 1,147 participants; • Writing – 964 participants; • Craft activities – 1,180 participants;

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The City of Melbourne has prepared a suite of arts / cultural strategies centred on its Creative Strategy 2018-2028. Other strategic documents supporting this main Strategy include: 1) City of Melbourne Arts Infrastructure Framework 2016-2021; 2) City of Melbourne Creative Funding Framework 2019–2024 and 3) City of Melbourne Music Plan 2018-2021. The Infrastructure Framework document identifies the following eight needs in the City of Melbourne: • Identified need 1: Arts spaces that enable the community to engage with and participate in their own creative practice; • Identified need 2: Hybrid spaces for artists including live/work spaces; • Identified need 3: Advocate for affordable housing; • Identified need 4: Affordable co-working office / incubator spaces for creative industry practitioners; • Identified need 5: The creation of performance and rehearsal spaces suitable for artists working in the small to medium performing arts sector; • Identified need 6: Artist-run or not-for-profit gallery spaces and initiatives that focus on programming work that is diverse, challenging, experimental, exploratory, and primarily by young or emerging artists; • Identified need 7: Live music venues that can accommodate between 500 and 800 patrons; • Identified need 8: Increasing the number of studio, workshop and rehearsal spaces (creative spaces) available. The Infrastructure Framework specifically identifies the 'Arden Urban Renewal Precinct' as a significant opportunity for the development of performance, rehearsal and workshop space for the improved cultural engagement of the growing North Melbourne community.	• Visual art activities – 170 participants.	• Visual art activities – 234 participants.	• Visual art activities – 303 participants.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	Given the underlying strategic work completed by the City of Melbourne to identify needs and priorities this assessment supports the inclusion of an arts and culture function for the proposed Arden North Cultural and Community Hub. As per City of Melbourne Creative City Briefing Paper, <i>Arden Creative Spaces and Uses</i> (September 2020) this facility should include 500m² of exclusive creative space such as artist's studios and 500m² for public facing arts and culture space including community learning, workshops and multipurpose bookable rooms. The proposed Innovation Hub proposed to be located within Arden Central also provides an opportunity to include creative industries.			
Libraries	The 1.5-kilometre catchment area contains the North Melbourne Library (a City of Melbourne library), a relatively small shop-front facility in Errol Street located south east of the Macaulay Structure Plan area, and the Flemington Library to the north west (a Moonee Valley City Council small shop-front library). The Melbourne Library Service Strategic Plan recommends reviewing the adequacy of the current North Melbourne Library, including investigating either a new purpose-built library or extensions to existing building and investigating ways of securing funding to increase weekday opening hours. Although the Macaulay Structure Plan area does not warrant the establishment of a new Library facility, this assessment supports the establishment of a new contemporary Library within the Arden Structure Plan area to the south, similar in size and form to the Library at the Dock facility in Docklands.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 80,000 loans per annum and 105,000 visits per annum.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 108,000 loans per annum and 144,000 visits per annum.	The Macaulay Structure Plan area is likely to generate the equivalent of an additional 140,000 loans per annum and 186,000 visits per annum.
Education Facilities	Existing and Planned Provision	The Macaulay Structure Plan area low development	The Macaulay Structure Plan moderate development	The Macaulay Structure Plan high development scenario

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The 1.5-kilometre catchment area contains the following 22 education facilities (2019 enrolments also shown for primary and secondary schools): Government Schools • North Melbourne Primary School (Government Primary School, 837 enrolments); • Kensington Primary School (Government Primary School, 497 enrolments); • Debney Meadows Primary School* (Government Primary School, 82 enrolments); • Flemington Primary School* (Government Primary School, 391 enrolments); • University High School (Government Secondary School, 1,536 enrolments); • Mt Alexander College* (Government Secondary School, 470 enrolments); • Kensington Community High School* (Government Secondary School, 107 enrolments); • Royal Children's Hospital Education Institute* (Special School for hospital patients, no enrolment data); • Travancore School* (Government school that provides educational services to young people who are engaged in mental health services, no enrolment data); • Docklands Primary School* (scheduled to open in 2021); and • North Melbourne Hill (Proposed Government Primary School). + While located in the 1.5 kilometre catchment area these schools are unlikely to service demand from within the Arden Precinct Structure Plan area. *These are not mainstream schools.	scenario is likely to generate the equivalent of (approximate numbers): • 310 Government Primary School enrolments (0.5 Government Primary School sites) • 70 Catholic Primary School enrolments • 70 Non-Government Primary School enrolments • 260 Government Secondary School enrolments (0.2 Government Secondary School sites) • 60 Catholic Secondary School enrolments • 170 Non-Government Secondary School enrolments • 290 TAFE enrolments • 2,100 University enrolments	scenario area is likely to generate the equivalent of (approximate numbers): • 430 Government Primary School enrolments (0.7 Government Primary School sites) • 100 Catholic Primary School enrolments • 100 Non-Government Primary School enrolments • 360 Government Secondary School enrolments (0.2 Government Secondary School sites) • 80 Catholic Secondary School enrolments • 230 Non-Government Secondary School enrolments • 400 TAFE enrolments • 2,900 University enrolments	area is likely to generate the equivalent of (approximate numbers): • 550 Government Primary School enrolments (0.9 Government Primary School sites) • 130 Catholic Primary School enrolments • 130 Non-Government Primary School enrolments • 460 Government Secondary School enrolments (0.3 Government Secondary School sites) • 100 Catholic Secondary School enrolments • 290 Non-Government Secondary School enrolments • 520 TAFE enrolments • 3,700 University enrolments

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	Catholic • St Michael’s School (Catholic Primary School, 176 enrolments); • Holy Rosary School (Catholic Primary School, 284 enrolments); • St Brendan’s School (Catholic Primary School, 137 enrolments); • St Aloysius College (Catholic Secondary College, 453 enrolments); • Simonds Catholic College (Catholic Secondary College, 426 enrolments); and • St Joseph’s Flexible Learning Centre (Special Catholic Secondary College, 384 enrolments). Other Independent Schools • Haileybury College Melbourne CBD campus⁵ (Melbourne’s first Early Learning to Year 12 independent school campus in the CBD); and • River Nile School (Specialist school Refugee and Asylum Seeker school-aged young women, 74 enrolments). Higher Education • Melbourne University (Parkville Campus); • Latrobe University (City Campus); • William Angliss (City Campus); and • Victoria University (Melbourne, King Campus). Previous Studies			

⁵ This campus is a 10-storey, 13,000 square-metre building that has the capacity for over 750 students. Located directly opposite the Flagstaff Gardens, the campus is walking distance to both Flagstaff and Southern Cross Stations as well as the Docklands. The building itself houses 1,500 square metres of outdoor green recreation space on three terraces, an indoor running track, outstanding classroom facilities and specialist spaces for the creative and performing arts.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The <i>School Provision Review for Docklands: Stage Two</i> (2016) report, commissioned by the Department of Education and Training (DET), recommends <i>“the immediate commencement of detailed planning processes for a new co-educational primary and additional secondary school provision. In particular, this report recommends that the Department:</i> <i>Commence the planning process for a new co-educational primary school to support the North Melbourne and Docklands communities.</i> <i>Commence the planning process to increase the networks secondary school capacity.</i> <i>Continue to progress planning for new provision within the Fishermans Bend Urban Renewal Area and the Arden Macaulay Framework Plan as these plans and future populations are finalised.</i> <i>Additionally, it is recommended that the Department:</i> <i>Develop strong partnership opportunities with the VPA, Development Victoria and City of Melbourne to test the suitability of potential school sites, including sites held by Places Victoria.</i> <i>Develop partnership opportunities with the MPA, Places Victoria and City of Melbourne to ensure transport planning in this network considers the accessibility of both existing and planned schools. Consideration should also be given to safe off-road bike and walking routes, particularly for families residing in the Docklands.</i> <i>Draw on the experiences of the Ferrars Street Primary School planning process and international examples of vertical</i>			

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	<i>schools when considering options for school provision in inner city areas.</i> • <i>Undertake annual monitoring of schools with a restricted zone to ensure that students located outside of the zones (but within the designated neighbourhood boundary), have improved access to a local school.</i> • <i>Provide opportunities for stronger partnerships between all schools in the network.</i> • <i>Work with schools that are/or are expected to experience significant enrolment pressures (including North Melbourne Primary School, Kensington Primary School and Footscray City Primary School) to consider the introduction of enrolment caps and placement policies.</i> • <i>Work with Debney Meadows Primary School to develop options for improving the public perception of the school with consideration for partnership opportunities with nearby schools or the development of specialist programs to attract more local students."</i> In response to the School Provision Review, the Victorian Government announced the Inner Melbourne New Schools Package, which identifies the potential for new schools to be delivered to service the growing populations across West and North Melbourne. Two sites are being evaluated to respond to demand in the area. <i>Proposed Response Measures</i> <u><i>Government Education</i></u> Based on feedback received from DET, and the expected population projections, this assessment supports the need to for a proposed vertical Government Primary School and a proposed vertical			

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	Government Secondary to be established in or near the Arden Structure Plan area. <u>Higher Education</u> Although the Macaulay Structure Plan is not a preferred location for higher education facility development, this assessment supports the inclusion of a 1-hectare site within the neighboring Arden Structure Plan area for some form of public ‘institutional’ use such as higher education.			
Law courts, Police & Emergency Services	The 1.5-kilometre Arden Structure Plan catchment area contains a large number of law courts, police stations and emergency services, but is particularly concentrated to the south east and east of the subject area. These services include: • West Melbourne Ambulance Station; • Metropolitan Fire Brigade (MFB) Station 2; • North Melbourne Police Station; • Flemington Police Station; and • A large number of law courts clustered in Melbourne’s ‘Legal Precinct’ (including Melbourne County Court, Melbourne Magistrate’s Court and Melbourne Children’s Court). Given the close proximity of the Macaulay Structure Plan area to existing law courts, police stations and emergency services, it is unlikely that additional service provision within the Structure Plan area will be required.	No quantitative measures available for these service forms. However, it should be noted that response times are an important criteria for emergency services and the prevalence of crime for Victoria Police services.	No quantitative measures available for these service forms. However, it should be noted that response times are an important criteria for emergency services and the prevalence of crime for Victoria Police services.	No quantitative measures available for these service forms. However, it should be noted that response times are an important criteria for emergency services and the prevalence of crime for Victoria Police services.
Acute & Community Health Services	Although the 1.5-kilometre catchment area includes significant acute and community health service provision. These include eight campuses of cohealth and three acute health facilities including the Royal Children’s Hospital. Just beyond the 1.5-kilometre catchment, south-east of the subject site, is the Parkville Health Precinct that includes the	The Macaulay Structure Plan area is likely to generate the equivalent of 20 additional public and private hospital beds, 300 community health	The Macaulay Structure Plan area is likely to generate the equivalent of 27 additional public and private hospital beds, 400 community health	The Macaulay Structure Plan area is likely to generate the equivalent of 36 additional public and private hospital beds, 520 community health

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	Royal Women's Hospital and Royal Melbourne Hospital. The Melbourne Private Hospital is located a similar distance from the subject site to the west. The <i>Statewide Design, Service and Infrastructure Plan for Victoria's Health System 2017-2037</i> provides the planning framework that guides service, workforce and infrastructure investment in Victoria's health system over the next 20 years, including an initial five year implementation plan. The Plan identifies the following attributes and priorities for inner Melbourne: <i>"Residents of inner Melbourne are generally very well served in terms of access to healthcare, and the inner Melbourne area is home to a number of facilities providing tertiary and specialist hospital services. However, new facilities will be required to ensure local access to community-based health and social services for residents of the planned new residential precincts. The intensively used infrastructure of some of the existing tertiary facilities in the area also require refurbishment, reconfiguration and expansion to meet local and statewide demand.</i> <i>Locality planning for inner Melbourne identifies the following infrastructure priorities:</i> • <i>further planning for urban renewal zones; and</i> • <i>planning for redevelopments of key hospitals to meet the needs of a growing population and offer contemporary standards of care into the future".</i>	clients, 4 general practices, 6 dental services and 3 pharmacies. (note: community health demand estimates are likely to be conservative given the high levels of socio-economic disadvantage in the Macaulay Structure Plan area).	clients, 6 general practices, 8 dental services and 4 pharmacies. (note: community health demand estimates are likely to be conservative given the high levels of socio-economic disadvantage in the Macaulay Structure Plan area).	clients, 8 general practices, 10 dental services and 6 pharmacies. (note: community health demand estimates are likely to be conservative given the high levels of socio-economic disadvantage in the Macaulay Structure Plan area).

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The <i>North Western Melbourne Primary Health Network⁶ Needs Assessment</i> (November 2018) identifies the following seven key priority areas for primary care⁷ service development: 1. Alcohol and Other Drugs; 2. Mental Health; 3. Suicide Prevention; 4. Aboriginal Health; 5. Chronic Conditions; 6. Older Adults; and 7. Children and Families. Although the Macaulay Structure Plan is not a preferred location for acute health facility development, this assessment supports the inclusion of a 1-hectare site within the neighbouring Arden Structure Plan area for some form of public ‘institutional’ use such as acute health service provision. Several high rise and low-rise public housing estates are key features of the Macaulay Structure Plan area and account for a significant proportion of the existing population. These estates contain a number of important local community infrastructure assets which currently meet a diverse range of health service and social support needs for			

⁶ North Western Melbourne PHN (NWMPHN) is one of 31 Primary Health Networks (PHNs) established by the Commonwealth Government on 1st of July 2015 to: 1) Increase the efficiency and effectiveness of medical services for patients, particularly those at risk of poor health outcomes and 2) Improve coordination of care to ensure patients receive the right care, in the right place, at the right time. NWMPHN encompasses 13 Local Government Areas (LGAs) including the City of Melbourne.

⁷ In Australia, primary health care is typically the first contact an individual with a health concern has with the health system. Primary health care covers health care that is not related to a hospital visit, including health promotion, prevention, early intervention, treatment of acute conditions, and management of chronic conditions. Primary health care services are delivered in settings such as general practices, community health centres, allied health practices, and via communication technologies such as telehealth and video consultations. General practitioners (GPs), nurses, nurse practitioners, allied health professionals, midwives, pharmacists, dentists, and Aboriginal health practitioners are all considered primary health care professionals.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	public housing tenants. Public housing tenants are also significant users of Council's existing facilities in the area such as the North Melbourne Community Centre and Jean McKendry Neighbourhood Centre, both of which provide key health and social support programs to the local community. This assessment strongly recommends the Department of Health and Human Services (DHHS) and the City of Melbourne undertake a joint planning exercise to: • Review of the future role and function of existing Council community facilities located within the Structure Plan area such as the North Melbourne Community Centre, Jean McKendry Neighbourhood Centre and Hotham Children's Hub, to determine which of these facilities will continue to provide health and social support roles in future; and • Review the role and function of existing community facilities located within the existing Public Housing Estates to determine redevelopment and service expansion opportunities.			
Aged Care & Other Services for Older Persons	<u>Aged Care Places</u>⁸ Existing residential aged care provision is concentrated in the northern portion of the 1.5 kilometre catchment area. No provision exists in North Melbourne, and communities to the east (Parkville and Carlton) and south (West Melbourne, CBD and Docklands).	The Macaulay Structure Plan area is likely to generate the equivalent of 90 additional aged care places (approximately).	The Macaulay Structure Plan area is likely to generate the equivalent of 120 additional aged care places (approximately).	The Macaulay Structure Plan area is likely to generate the equivalent of 160 additional aged care places (approximately).

⁸ The Australian Government regulates the supply of residential aged care places and Home Care Packages by specifying national and regional targets for the provision of subsidised aged care places. These targets—termed the 'aged care target provision ratios'—are currently based on the number of people aged 70 years and over for every 1000 people in the Australian population. The current ratio is set at 125 aged care places per 1000 people aged 70 years and over. Over the period 2012 to 2022, the target for Home Care Packages was increased from 27 to 45, while the residential care target was reduced from 86 to 78, with the remaining two places for the Short-Term Restorative Care Program. However, in the 2018–19 Budget, the Australian Government decided to combine the previously separate budget items for home care and residential care. This allows much more flexibility for available places to be allocated to home care or residential care in response to the preferences of people needing care.

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	The catchment area is supplied with a total of 198 beds). The existing services are: 1) Doutta Galla Lynch's Bridge Aged Care Facility (57 beds); 2) Royal Freemasons – Gregory Lodge (73 beds); 3) Wintringham McLean Lodge Hostel (21 beds) and 4) Elderly Chinese Home (47 beds). Based on research undertaken by the City of Melbourne of the 2016 Census, the City of Melbourne has 5,662 residents aged 70 and over which equates to approximately 4 per cent of the total resident population. In applying this percentage to the forecast Arden population of approximately 15,000 residents, there may be approximately 600 residents aged 70 and over. The City of Melbourne has 728 residential aged care places (not including independent living units and Gardenview House which is for people aged under 60 years). This is above the Australian Government's residential aged care operational ratio which would indicate a need for 487 places. Given the projected growth of the City of Melbourne North West sub-region and the absence of provision in North Melbourne, West Melbourne, Melbourne CBD, Docklands, Carlton and Parkville, additional residential aged care provision within the Macaulay Structure Plan area is still considered to be a long-term priority, despite the current level of over-provision in the municipality. <u>Other Services and Facilities for Older Persons</u> Meeting spaces for seniors groups are available from three main facilities in the catchment area: 1) Jean McKendry Neighbourhood Centre; 2) Kensington Neighbourhood Centre and 3) Kathleen Syme Library and Community Centre. Although centre based meals are offered from the Jean McKendry Neighbourhood Centre, social support			

Service / Community infrastructure type	Key Assessment Findings	Macaulay Structure Plan Area Requirements Low Development Scenario	Macaulay Structure Plan Area Requirements Moderate Development Scenario	Macaulay Structure Plan Area Requirements High Development Scenario
	group programs (Planned Activity Groups) are only offered from the Kathleen Syme Library and Community Centre in Carlton. Although the catchment area is well supplied with bookable community meeting spaces, the provision of additional meeting spaces catering to the needs of older persons, and the inclusion of a Planned Activity Group facility within the Arden Structure Plan area is strongly supported by this assessment. The proposed provision of a number of community facilities should include spaces that can cater for older persons social gatherings. Planned Activity Group functions are recommended to be incorporated within the proposed Arden Central Community Hub facility.			

6 Summary of Key Findings

Based on the information presented and analysed in the previous sections of this report a summary of key findings and conclusions are summarised below.

6.1 Dwelling & Population Assumptions

- The broader City of Melbourne North West sub-region has a current population of approximately 47,400 and accommodates 20,500 dwellings. This sub-region is projected to increase significantly by approximately 51,000 people between 2019 and 2041 (an increase of 108%), and the number of dwellings is anticipated to increase by approximately 25,200 (an increase of 123%). By 2041 the sub-region will accommodate almost 100,000 people.
- For the purposes of preparing recommendations for the community infrastructure assessment, the high dwelling yield development scenario has been assumed for the Macaulay Structure Plan area. The high yield dwelling and population assumptions for the Macaulay Structure Plan area used to prepare this assessment were as follows:
 - A dwelling yield of approximately 9,200 dwellings;
 - Average household size of 1.98; and
 - Population yield of approximately 18,200.
- Based on the population projections analysed and development assumptions presented above, the Macaulay Structure Plan area will represent approximately 20% of all dwellings and population in City of Melbourne North West sub-region by 2041.

6.2 Summary of Community Infrastructure Provision Recommendations for the Macaulay Structure Plan Area

Based on the current strategic policy and planning context, development assumptions for the Macaulay Structure Plan area, population forecasts for the broader City of Melbourne North West sub-region, and the existing supply of community infrastructure, this assessment provides the following recommendations.

Public Open Space

Passive Open Space

The open space directions for the Macaulay Structure Plan area are informed by a number of existing strategic documents and the Melbourne Planning Scheme. These indicate the following:

- In this location, the Melbourne Planning Scheme requires a 7.06% unencumbered public open space contribution, preferably in the form of land.
- The City of Melbourne Open Space Strategy (2012) anticipates the creation and upgrade of a diverse range of new and existing open spaces throughout the Macaulay Structure Plan area.
- The Moonee Ponds Creek Strategic Opportunities Plan (2019) outlines opportunities to revitalise Moonee Ponds Creek with a chain of parklands, new open spaces and wetlands. The Moonee Ponds Creek runs for 25 kilometres through several established suburbs, such as Kensington, North Melbourne and West Melbourne, and alongside urban renewal areas of Arden, Macaulay, Dynon and E-Gate.

This assessment recommends the passive open space strategy for the Macaulay Structure Plan should seek to achieve the following outcomes:

- A minimum of 7.06% additional unencumbered public open space as per Melbourne Planning Scheme requirements;
- The creation of new small local open spaces in the Stubbs and Boundary sub-precincts;
- Investigate opportunities to expand the existing Robertson Street Reserve;
- Expansion and embellishment of the western side of the Moonee Ponds Creek environs in both the Stubbs and Chelmsford sub-precincts; and
- Increased tree planting along footpaths or existing painted central medians such as Robertson Street in Kensington.

Active Open Space

In order to meet some of the additional informal and formal recreation outdoor recreation demands generated by the Structure Plan area, this assessment recommends a number of measures be pursued. Recommended on-site measures to support informal and formal recreation needs within the Macaulay Structure Plan area include:

- Undertaking a more detailed investigation into the potential future use of the Victorian Archives site (a State Government owned site approximately 3.3 hectares in size located in the Macaulay Structure Plan area) as a priority location for accommodating future community infrastructure including formal outdoor recreation.
- Exploring the feasibility of redeveloping the existing Buncle Street Reserve (which includes the North Melbourne Community Centre) to better meet the outdoor informal recreation needs of the local community.

- Identifying priority locations (within either existing or future open spaces) where outdoor recreation infrastructure can be incorporated into key walking routes and parks throughout the Structure Plan area.

Council Indoor & Aquatic Leisure Centres

This assessment supports the establishment of a new indoor recreation centre servicing the north west sub-region of the City of Melbourne. Based on consultation with Council's Recreation and Waterways Department this proposed new facility will both replace the current recreation functions of the North Melbourne Community Centre (containing one multipurpose indoor court) as well as meet the future population demands generated by the Macaulay Structure Plan area abutting urban renewal locations such as the Arden Structure Plan.

Although a site for this facility has yet to be confirmed, there are a number of potential site options requiring further detailed assessment including the Buncle Street Reserve, the Melrose Street Community Hub and the Victorian Archives Centre site.

This assessment recommends that the proposed new indoor recreation centre contain: 1) 3 multipurpose indoor courts; 2) a gymnasium, and 3) a multipurpose room.

Early Years Services

Overview

Based on the analysis of specific forms of early years services presented below, this assessment supports the establishment of a new Macaulay West Community Hub as identified in the Macaulay Draft Structure Plan Refresh document, along with a detailed review of the future role and functions of the existing Hotham Children's Centre and North Melbourne Community Centre.

Long Day Child Care

The Macaulay Structure Plan area should continue to facilitate additional long day child care provision (3 to 4 services) from the private or not-for-profit sector.

Occasional Child Care

The Macaulay Structure Plan area should facilitate additional occasional child care provision via the use of at least one of the additional Kindergarten rooms proposed for the Macaulay West Community Hub.

4 & 3 year old Sessional Kindergartens

Based on the demand estimates generated this assessment recommends the provision of an additional 2 sessional Kindergarten rooms to be incorporated within the Macaulay West Community Hub and an additional 2 sessional Kindergarten rooms to be incorporated within the Macaulay East Community Hub.

Maternal & Child Health (MCH)

Based on the demand estimates generated this assessment recommends that the Macaulay Structure Plan area facilitate the provision of an additional 2 MCH consulting rooms and 2 consulting rooms for complimentary family support and counselling services. These services should preferably be integrated within the proposed Macaulay West Community Hub.

Playgroups

Playgroup activities can be accommodated within either flexible community meeting spaces or Kindergarten rooms to be incorporated within the Macaulay Structure Plan area.

Community Centres and Community Meeting Spaces

The scale of development proposed for the Macaulay Structure Plan area is sufficiently large to justify the provision of two new multipurpose community centres. This assessment recommends the establishment of: 1) the Macaulay West Community Centre, and 2) the Macaulay East Community Centre. Although both facilities should contain common elements such as a diverse range of flexible community meeting spaces, the Macaulay West Community Centre will have a greater focus on the provision of early years services, while the Macaulay East Community Centre will have a greater focus on accommodating both Council and non-Council community services, some of which are currently operating from the North Melbourne Community Centre and Jean McKendry Neighbourhood Centre.

The proposed Macaulay East Community Centre will be a larger facility (with a building floor area of approximately 3,600 square metres) that will include the net existing community space available to the local community via the North Melbourne Recreation Centre (approximately 1,000 square metres which excludes the indoor recreation components) and Jean McKendry Neighbourhood Centre (approximately 500 square metres). Consequently, only half of the cost (50%) of proposed Macaulay East Community Centre should be apportioned the future Macaulay Structure Plan area.

This assessment also recommends the City of Melbourne undertake a detailed review of the future role and function of existing community facilities located within the Structure Plan area such as the

North Melbourne Community Centre, Jean McKendry Neighbourhood Centre and Hotham Children's Hub, to determine the future of each of these facilities.

Other community facilities and spaces should also be assessed as part any new community infrastructure investigation or initiatives focused on the North Melbourne Public Housing Estate.

Neighbourhood Houses / U3A

Although the catchment area is serviced by a number of existing Neighbourhood Houses, the Macaulay Structure Plan area provides an opportunity to include spaces from which these services can delivery accredited courses, programs and activities. These could include the proposed new Macaulay West Community Hub, proposed Arden North Cultural & Community Hub and the potential repurposing of existing Council facilities in the area. This assessment also recommends the establishment of a new Macaulay East Community Centre which would include spaces suitable for the operations of a Neighbourhood House (e.g. classroom spaces, larger meeting spaces for informal activities and administrative spaces).

Opportunities to enhance Neighbourhood House service delivery should also be assessed as part any new community infrastructure investigation or initiatives focused on the North Melbourne Public Housing Estate.

Arts / Cultural

Given the underlying strategic work completed by the City of Melbourne to identify needs and priorities this assessment supports the inclusion of an arts and culture function for the proposed Arden North Cultural and Community Hub. As per City of Melbourne Creative City Briefing Paper, *Arden Creative Spaces and Uses* (September 2020) this facility should include 500m² of exclusive creative space such as artist's studios and 500m² for public facing arts and culture space including community learning, workshops and multipurpose bookable rooms. Proposed DCP funding toward the establishment of the Arden North Cultural and Community hub should be apportioned to the Macaulay Structure Plan area (approximately 20%).

The proposed Innovation Hub proposed to be located within Arden Central also provides an opportunity to include creative industries. It is also feasible that arts and cultural activities requiring little specialist infrastructure could be accommodated within both the Macaulay West and Macaulay East Community Centres proposed by this assessment.

Libraries

Although the Macaulay Structure Plan area does not warrant the establishment of a new Library facility, this assessment supports the establishment of a new contemporary Library within the Arden Structure Plan area to the south, similar in size and form to the Library at the Dock facility in Docklands. Proposed DCP funding toward the establishment of the Arden North Cultural and Community hub (which includes a new library) should be apportioned to the Macaulay Structure Plan area (approximately 20%). The catchment for this facility will be the City of Melbourne North West Region (North Melbourne, Kensington, West Melbourne Residential and West Melbourne Industrial).

Education Facilities

Government Education

Based on feedback received from DET, and the anticipated population forecasts for both the Macaulay and Arden Structure Plans, this assessment supports the need to for a proposed vertical Government Primary School and a proposed vertical Government Secondary servicing this combined catchment area. A proposed Government Primary School site has been identified as part of the Arden Structure Plan (August 2021). Although a preferred site location has yet to be determined for the Government Secondary School, there are two potential priority site location options within the Macaulay Structure Plan: 1) the Victorian Archives Centre site, and 2) the Melrose Street Community Hub (consisting of the Jean Jean McKendry Neighbourhood Centre and Hotham Children's Hub). Ongoing dialogue and collaboration between Melbourne City Council and DET to determine the final provision strategy for the Government Secondary School is recommended.

Higher Education

Although the Macaulay Structure Plan is not a preferred location for higher education facility development, this assessment supports the inclusion of a 1-hectare site within the neighboring Arden Structure Plan area for some form of public 'institutional' use such as higher education.

Law Courts, Police & Emergency Services

Given the close proximity of the Macaulay Structure Plan area to existing law courts, police stations and emergency services, it is unlikely that additional service provision within the Structure Plan area will be required.

Acute & Community Health Services

The *Statewide Design, Service and Infrastructure Plan for Victoria's Health System 2017-2037* recognises that although residents of inner Melbourne are generally very well served in terms of access to healthcare, including tertiary and specialist hospital services, new facilities will be required to ensure

local access to community-based health and social services for residents of the planned new residential precincts. The intensively used infrastructure of some of the existing tertiary facilities in the area also require refurbishment, reconfiguration and expansion to meet local and statewide demand.

Although the Macaulay Structure Plan is not a preferred location for acute health facility development, this assessment supports the inclusion of a 1-hectare site within the neighbouring Arden Structure Plan area for some form of public ‘institutional’ use such as acute health service provision.

Several high rise and low-rise public housing estates are key features of the Macaulay Structure Plan area and account for a significant proportion of the existing population. These estates contain a number of important local community infrastructure assets which currently meet a diverse range of health service and social support needs for public housing tenants. Public housing tenants are also significant users of Council’s existing facilities in the area such as the North Melbourne Community Centre and Jean McKendry Neighbourhood Centre, both of which provide key health and social support programs to the local community.

This assessment strongly recommends the Department of Health and Human Services (DHHS) and the City of Melbourne undertake a joint planning exercise to:

- Review of the future role and function of existing Council community facilities located within the Structure Plan area such as the North Melbourne Community Centre, Jean McKendry Neighbourhood Centre and Hotham Children’s Hub, to determine which of these facilities will continue to provide health and social support roles in future; and
- Review the role and function of existing community facilities located within the existing Public Housing Estates to determine redevelopment and service expansion opportunities.

Residential Aged Care & Other Services for Older Persons

- Given the projected growth of the City of Melbourne North West sub-region and the absence of provision in North Melbourne, West Melbourne, Melbourne CBD, Docklands, Carlton and Parkville, additional residential aged care provision within the Macaulay Structure Plan area is still considered to be a long-term priority, despite the current level of over-provision in the municipality.
- Although the catchment area is well supplied with bookable community meeting spaces, the provision of additional meeting spaces catering to the needs of older persons, and the inclusion of a Planned Activity Group facility within the Arden Structure Plan area is strongly supported by this assessment. The proposed provision of a number of community facilities

should include spaces that can cater for older persons social gatherings. Planned Activity Group functions are recommended to be incorporated within the proposed Arden Central Community Hub facility.

6.3 Priority Community Infrastructure Action Plan for the Macaulay Structure Plan Area

Based on the analysis presented within this assessment the following priority community infrastructure plan has been prepared to provide guidance for all relevant agencies that will be responsible for the delivery of each action. The action plan includes items which are likely to form part of Development Contributions Plans (DCPs) currently being prepared for the Structure Plan area. Land area allocations and floor area requirements, where indicated, are indicative only and subject to change as part of the preparation of the DCP and further engagement with relevant agencies.

Table 6 – Priority Community Infrastructure Action Plan for the Macaulay Structure Plan Area

Precinct & Proposed Item	Responsible Agency	Indicative Building Floorspace (m2)	Indicative Land Area Allocation (m2 /ha)	Proposed DCP Item	If DCP Item, Proposed Catchment Area	If DCP Item, Proposed Apportionment to Macaulay Structure Plan Area
Establish the Macaulay West Community Centre Proposed facility to consist of: • Sessional Kindergarten (x 2 rooms) • Maternal & Child Health (x 2 rooms) • Flexible community meeting spaces • Office and activity room delivery space for Neighbourhood House services. Refer to Appendix 2 (Indicative Specifications for Proposed Community Centres) for more details on the preferred configuration and size of the Macaulay West Community Centre.	City of Melbourne	1,200m2	2,000m2	Yes	Macaulay Structure Plan	100%
Establish the Macaulay East Community Centre (Inc. Redevelopment / Replacement of Melrose Precinct Community Facilities) Proposed facility to consist of: • General Community Space • Spaces for community service organisations Refer to Appendix 2 (Indicative Specifications for Proposed Community Centres) for more details on the preferred configuration and size of the Macaulay East Community Centre.	City of Melbourne	3,600m2	5,000m2	Yes	Macaulay Structure Plan	50%
Establish Arden North Cultural & Community Hub • Library • Creative spaces⁹ • Multipurpose Bookable Rooms	City of Melbourne	4,000m2 including 500m2 exclusive space such as artist studios and 500m2 for public facing arts & culture	2,200m2	Yes	City of Melbourne North West Region (North Melbourne, Kensington, West Melbourne)	20%

⁹ As per City of Melbourne Creative City Briefing Paper, *Arden Creative Spaces and Uses* (September 2020) this facility will include 500m2 of exclusive creative space such as artist's studios and 500m2 for public facing arts and culture space including community learning, workshops and multipurpose bookable rooms.

Macaulay Structure Plan Community Infrastructure Needs Assessment

Precinct & Proposed Item	Responsible Agency	Indicative Building Floorspace (m2)	Indicative Land Area Allocation (m2 /ha)	Proposed DCP Item	If DCP Item, Proposed Catchment Area	If DCP Item, Proposed Apportionment to Macaulay Structure Plan Area
Aboriginal cultural interpretation space¹⁰		space including community learning / workshops & bookable rooms.			Residential and West Melbourne Industrial)	
New & Redeveloped Open space						
Buncle Street Reserve Redevelopment	City of Melbourne	-	Approximately 10,000m2	To be confirmed	To be confirmed (If included, catchment area is recommended to be Macaulay Structure Plan)	To be confirmed (If included, apportionment is recommended to be 100%)
Melrose Sub-Precinct	City of Melbourne	-	1,832m2	To be confirmed	To be confirmed	To be confirmed
Boundary Sub-Precinct	City of Melbourne	-	1.72ha	To be confirmed	To be confirmed	To be confirmed
Stubbs Sub-Precinct	Melbourne Water & City of Melbourne	-	1.23ha	To be confirmed	To be confirmed	To be confirmed
Chelmsford Sub-Precinct	Melbourne Water & City of Melbourne	-	5,451m2	To be confirmed	To be confirmed	To be confirmed
Indoor & Outdoor Recreation						
Construct a new indoor recreation centre (3 multi-sports courts, gymnasium and program space) to replace North Melbourne Community Centre and cater for projected population growth	City of Melbourne	4,500m2	3,949m2	To be confirmed	To be confirmed (If included, catchment area is recommended to be the North West Melbourne area of the City of Melbourne)	To be confirmed (If included, apportionment is recommended to be 20%)
Identify priority locations (within either existing or future open spaces) where outdoor recreation equipment can be incorporated into key walking routes and parks throughout the Structure Plan area.	City of Melbourne	-	-	No	Not applicable	Not applicable

¹⁰ The purpose of the space was confirmed as part of the engagement and consultation process with traditional owner groups.

Macaulay Structure Plan Community Infrastructure Needs Assessment

Precinct & Proposed Item	Responsible Agency	Indicative Building Floorspace (m2)	Indicative Land Area Allocation (m2 /ha)	Proposed DCP Item	If DCP Item, Proposed Catchment Area	If DCP Item, Proposed Apportionment to Macaulay Structure Plan Area
Potential Government Secondary School Investigate the feasibility of establishing a Government Secondary School within Macaulay Structure Plan area with a focus on Victorian Archives site and Melrose Street Community Hub	State Government & Department of Education & Training	To be confirmed by DET at later stages of planning	To be confirmed by DET at later stages of planning	No	Not applicable	Not applicable

It should be noted that, as a general principle, all proposed Council community facilities will be designed for all ages and all abilities. The proposed education and family hub would also need to be all ages friendly taking into account that many grandparents will be caring for children and dropping children off at the early learning centres, kindergarten and primary schools. The proposed Arts and Culture hub will also be focussed on all ages, not just on youth, to recognise that arts and culture should be integrated and accessible to all ages.

It should also be noted that there is potential for elements (i.e. specific services and functions) to be reconfigured within hubs or relocated from one hub to another if needed.

More detailed concept planning and cost estimations for each of the main community infrastructure hubs will occur in later stages of the planning process and as part of the preparation of a Development Contributions Plan for the Arden and Macaulay Structure Plan areas.

Given the projected growth of the City of Melbourne North West sub-region and the absence of provision in North Melbourne, West Melbourne, Melbourne CBD, Docklands, Carlton and Parkville, additional provision within the Arden Structure Plan area is considered to be a high priority.

It is recommended that the Structure Plan encourage and facilitate private sector provision of at least one additional residential aged care facility.

Although the catchment area is well supplied with bookable community meeting spaces, the provision of additional meeting spaces catering to the needs of older persons, and the inclusion of a Planned Activity Group facility within the Arden Structure Plan area is strongly supported by this assessment. The proposed provision of a number of community facilities should include spaces that can cater for older persons social gatherings. Planned Activity Group functions are recommended to be incorporated within the proposed Arden Central Community Hub facility.

Appendices

Appendix 1. Social Infrastructure Standards & Demand & Supply Estimates

Table 76 on the following pages shows the main social infrastructure provision standards (and its source) used for the purposes of this assessment, and the indicative demand and supply estimates generated by the proposed development. It should be noted that these standards reflect what the ultimate needs of the community are.

The standards were developed from a variety of sources to assist with estimating both the demand for, and supply of community infrastructure within area. The sources of these standards include:

- Victorian Planning Authority, Melbourne Metropolitan Community Infrastructure Assessment (MMCIA): Local and Subregional Rates of Provision (2015);
- *Precinct Structure Plan Guidelines* (PSP Guidelines), Metropolitan Planning Authority (2010);
- Planning for Community Infrastructure in Growth Areas (PCIGA), ASR Research (2008);
- Population and census data, and other survey data from sources such as the Australian Bureau of Statistics;
- Municipal Strategies & Plans;
- Other indicative guidelines provided by State Government Departments (e.g. Department of Education & Training) and key non-Government agencies (e.g. Catholic Education Melbourne), some of which are identified within the PCIGA report, but others were obtained during the course of the consultation process undertaken as part of the update.

As noted in Section 5.2 of this report, the community infrastructure demand and supply estimates are based on a low development scenario (approximately 5,200 dwellings), a moderate development scenario (approximately 7,100 dwellings) and a high development scenario (approximately 9,200 dwellings) estimated to be reached by 2051.

Table 7 - Description of Social Infrastructure Provision Standards & Demand & Supply Estimates for Macaulay Structure Plan Area (Low, Medium & High Scenarios)

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Open space contribution	7.06%	SQM of land required under the Melbourne Planning Scheme for public open space	Melbourne Planning Scheme	T.B.C	T.B.C	T.B.C
Organised Sport Facility & Participation Estimates						
Indoor and outdoor recreation facilities						
Indoor recreation centres / courts	10,000	Total population per court	Typical standard used by some Melbourne Growth Area Councils (note: individual LGAs vary on their views about the “desired” benchmark and some have no documented working benchmark).	1.0	1.4	1.8
Council aquatic / leisure centre memberships	3.4%	% of population who are members of a Council aquatic / leisure centre	Based on 2010 CERM PI® Operational Management Benchmarks for Australian Public Sports & Aquatic Centres	349	479	620
Fitness/Gym participants	30.0%	% of 15 and over population who participate in fitness and gym activities at an organisation or venue	Australian Sports Commission, AusPlay Survey (AusPlay): July 2016 to June 2017 Victoria Data	3079	4223	5469
Swimming participants	8.7%	% of 15 and over population who participate in swimming activities at an organisation or venue	Australian Sports Commission, AusPlay Survey (AusPlay): July 2016 to June 2017 Victoria Data	897	1230	1593
Council aquatic / leisure centres	27,500	Approximate total population per facility in the City of Melbourne (2016)	ASR Research calculation based on City of Melbourne having 5 Council aquatic leisure centres (2016).	0.4	0.5	0.7
Sports club or association based participation: Adults						

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
- top 10 (people aged 15 and over)						
Golf	3.8%	% of 15+ population participating in activity	Australian Sports Commission, AusPlay Survey (AusPlay): July 2016 to June 2017 Victoria Data	337	462	598
Tennis	3.0%	As above	As above	267	366	474
Australian football	2.6%	As above	As above	230	316	409
Basketball	2.5%	As above	As above	220	301	390
Netball	1.9%	As above	As above	173	238	308
Cricket	1.8%	As above	As above	166	227	294
Football/soccer	1.7%	As above	As above	152	209	271
Bowls	0.9%	As above	As above	83	113	147
Hockey	0.8%	As above	As above	70	96	125
Cycling	0.7%	As above	As above	63	86	111
Organised participation by activity - top 10 activities (children aged 0 to 14)						
Swimming	39%	As above	Australian Sports Commission, AusPlay Survey (AusPlay): July 2016 to June 2017 Victoria Data	504	691	895
Australian football	16%	As above	As above	203	278	360
Basketball	12%	As above	As above	157	216	280

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Cricket	9%	As above	As above	117	160	207
Dancing (recreational)	8%	As above	As above	110	151	196
Netball	8%	As above	As above	109	150	194
Football/soccer	8%	As above	As above	108	147	191
Tennis	8%	As above	As above	103	141	183
Gymnastics	8%	As above	As above	101	139	180
Athletics, track and field (includes jogging and running)	4%	As above	As above	50	69	89
Early Years Services						
Kindergartens						
% of 3 and 4 year olds participating in funded Kindergarten	100%	% of 3 and 4 year olds participating in funded Kindergarten	Based on 100% participation rate.	224	153	199
Total number of enrolments in 4 year old sessional Kindergarten	50%	Total number of enrolments in 4 year old sessional Kindergarten	The majority of funded kindergarten demand in the City of Melbourne is met by privately operated long day child care centres. However, this assessment assumes that the proportion of sessional kindergarten use from Council based facilities will increase to 50% in future.	56	77	99
Total number of enrolments in 3 year old sessional Kindergarten	75%	Total number of enrolments in 3 year old sessional Kindergarten	ASR assumption based on proposed introduction of subsidised 3 year old Kindergarten program.	84	102	132

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Total number of 3 and 4 year old enrolments		Total number of 3 and 4 year old enrolments	Sum of the above	140	179	232
Number of Kindergarten rooms when proposed policy changes are implemented	66	Number of Kindergarten rooms when proposed policy changes are implemented	ASR Research constructed measure assuming one kindergarten room is licensed for 33 places	2.1	2.7	3.5
Maternal & Child Health						
Number of MCH sessions per week	130	Number of 0 year olds per 1 EFT MCH Nurse	MCH industry working benchmark	0.9	1.2	1.5
Playgroup						
Number of 2 hr playgroup sessions per week	167	Total number of children aged 0-3 years required to generate demand for a 2 hour playgroup session per week	ASR Research constructed measure using Playgroup Victoria	2.7	3.7	4.8
Occasional Child Care						
Number of occasional child care places	35.1	Total number of licensed places per 1,000 children aged 0 to 4 years	Victorian Planning Authority, Melbourne Metropolitan Community Infrastructure Assessment: Local and Subregional Rates of Provision (MMCIA). A provision rate of long day child care places equal to that documented by the MMCIA report (2015) for the Central Subregion	15.9	21.8	28.3
Number of occasional child care centres	30	Total number of facilities required based on number of licensed places generated (see above)	ASR Research constructed measure based on a typical sized occasional child care facility.	0.5	0.7	0.9
Long Day Child Care Centres						

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Number of Long Day Child Care places	391.5	Total number of licensed places per 1,000 children aged 0 to 4 years	Victorian Planning Authority, Melbourne Metropolitan Community Infrastructure Assessment: Local and Subregional Rates of Provision (MMCIA). A provision rate of long day child care places equal to that documented by the MMCIA report (2015) for the Central Subregion	219	300	389
Number of Long Day Child Care centres	120	Total number of facilities required based on number of licensed places generated (see above)	ASR Research constructed measure based on a typical large sized long day child care facility.	1.8	2.5	3.2
Community Centres, Meeting spaces, Neighbourhood Houses & Libraries						
Local multipurpose community centre	3,000	Number of dwellings per local facility	ASR Research constructed measure typically applied in Melbourne's outer growth areas.	1.7	2.4	3.1
multipurpose community meeting space seating capacity	130	Total number people per seat	ASR Research constructed measure	79	108	140
Neighbourhood Houses						
Number of Neighbourhood House users per week	3%	Percentage of population using a Neighbourhood House in a given week	Neighbourhood Houses Victoria, Neighbourhood Houses Survey 2017	308	422	547
Number of Neighbourhood Houses	23,000	Approximate total population per facility in Metropolitan Melbourne (2016)	ASR calculation of the number of Neighbourhood Houses identified by Neighbourhood Houses Victoria operating in the Melbourne metropolitan area.	0.45	0.6	0.8
Libraries						

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Number of library loans annum	7.7	Total loans per person	Public Libraries Victoria Network, 2018-19 PLVN Annual Statistical Survey (2019), Melbourne Library Services	79,035	108,390	140,385
Number of library visits per annum	10.2	Total visits per person	Public Libraries Victoria Network, 2018-19 PLVN Annual Statistical Survey (2019), Melbourne Library Services	104,696	143,582	185,965
Number of library facilities	6	Library facilities per 100,000 people	Victorian Planning Authority, Melbourne Metropolitan Community Infrastructure Assessment: Local and Subregional Rates of Provision (MMCIA). A provision rate of library facilities equal to that documented by the MMCIA report (2015) for the City of Melbourne	0.6	0.8	1.1
Education Enrolment & Facility Estimates						
Primary Schools						
Govt Primary Enrolment	57% ¹¹	% of 5-11 year old population	Australian Bureau of Statistics, 2016 Census of Population and Housing, based on data for Melbourne Local Government Area	312	427	554
Catholic Primary Enrolment	13%	% of 5-11 year old population	As above	71	97	126
Non Govt Primary Enrolment	13%	% of 5-11 year old population	As above	71	97	126
Total Primary Enrolment	89%	% of 5-11 year old population	As above	487	667	864
Govt Primary School	10,000	Total number of dwellings per facility	Based on recent inner Melbourne trends.	0.5	0.7	0.9
Secondary Schools						

¹¹ Market share assumptions used by the Department of Education and Training (DET) may vary from those used in this assessment. DET currently assumes Government Primary School market share will be 65%. These assumptions will be reviewed by the Victorian School Building Authority (VSBA).

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Govt Secondary Enrolment	41% ¹²	% of 12-17 year old population	Australian Bureau of Statistics, 2016 Census of Population and Housing, based on data for Melbourne Local Government Area	260	356	461
Catholic Secondary Enrolment	9%	% of 12-17 year old population	As above	57	78	101
Non Gov Secondary Enrolment	26%	% of 12-17 year old population	As above	165	226	293
Total Secondary Enrolment	77%	% of 12-17 year old population	As above	488	669	866
Govt Secondary School	30,000	Total number of dwellings per facility	Based on recent inner Melbourne trends.	0.2	0.2	0.3
TAFE						
TAFE Full-Time Enrolment (15 to 24)	3.6%	% of 15-24 year old population	Australian Bureau of Statistics, 2016 Census of Population and Housing, based on data for Melbourne Local Government Area	80	110	142
TAFE Full-Time Enrolment (25+)	1.8%	% 25 + year old population	As above	121	167	216
TAFE Part-Time Enrolment (15 to 24)	0.7%	% of 15-24 year old population	As above	16	21	28
TAFE Part-Time Enrolment (25+)	1.1%	% 25 + year old population	As above	74	102	132
Total TAFE enrolments				291	399	517
Universities						

¹² Market share assumptions used by the Department of Education and Training (DET) may vary from those used in this assessment. DET currently assumes Government Secondary School market share will be 65%. These assumptions will be reviewed by the Victorian School Building Authority (VSBA).

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Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
University Full-Time Enrolment (15 to 24)	61.2%	% of 15-24 year old population	As above	1,361	1,866	2,417
University Full-Time Enrolment (25+)	7.6%	% 25 + year old population	As above	513	703	911
University Part-Time Enrolment (25 to 24)	1.6%	% of 15-24 year old population	As above	36	49	63
University Part-Time Enrolment (25+)	2.6%	% 25 + year old population	As above	175	241	311
Total University enrolments				2,084	2,858	3,702
Primary & Acute Health Services						
Number of public and private hospital beds	3.86	Number of public and private beds per 1,000 people	Australian Institute of Health & Welfare, Australian hospital statistics 2015–16	20	27	36
Number of public hospital beds	2.41	Number of public beds per 1,000 people	Australian Institute of Health & Welfare, Australian hospital statistics 2015–16	12	17	22
Community health clients	0.03	Proportion of population that is a registered community health client	Victorian Auditor-General's report, Community Health Program (June 2018)	295	404	523
Allied health service sites	2.50	Number of allied health service sites per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	13	18	23
General practices	0.80	Number of general practice clinics per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	4	6	7

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Dental services	1.1	Number of dental service sites per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	6	8	10
Pharmacies	0.6	Number of pharmacies per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	3	4	6
Projected hospital admissions	257.6	Hospital inpatient separations per 1,000 people (Melbourne LGA). Note: projected to increase by 5.6% per annum until 2026/27.	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	1,335	1,832	2,372
Emergency presentations	220.5	Emergency department presentations per 1,000 people (Melbourne LGA). Note: projected to increase by 4.9% per annum until 2026/27	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	1,143	1,568	2,030
Drug & alcohol clients	3.8	Number of registered Alcohol & Drug Treatment clients per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	20	27	35
Mental health clients	9.9	Number of registered mental health clients per 1,000 people (Melbourne LGA)	Department of Health and Human Services, Melbourne LGA Health Profile 2015 (https://www2.health.vic.gov.au/about/reporting-planning-data/gis-and-planning-products/geographical-profiles)	51	70	91
Aged Care & HACC						
Aged Care						
Number of aged care places (residential and home care)	123	Number of aged care places per 1000 people aged 70 years +	Australian Government Planning Ratio 2019	88	121	156

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Short Term Restorative Care Programme	2	Number of STRC places per 1000 people aged 70 years +	Australian Government Planning Ratio by 2019	1.4	2.0	2.5
Arts & Cultural Activities						
Type of arts / cultural activity participated in (people aged 15 and over)						
Performing in a drama, comedy, musical or variety act	6.2%	% of 15+ population participating in activity	Australian Bureau of Statistics, <i>Participation in Selected Cultural Activities, Australia, 2017–18</i> (Catalogue Number 4921.0)	556	763	988
Singing or playing a musical instrument	4.3%	As above	As above	386	529	685
Dancing	4.8%	As above	As above	430	590	765
Writing	2.8%	As above	As above	251	344	446
Visual art activities	1.9%	As above	As above	170	234	303
Craft activities	1.8%	As above	As above	161	221	287
Designing websites, computer games or interactive software	2.8%	As above	As above	251	344	446
Fashion, interior or graphic design	5.7%	As above	As above	511	701	908
Type of arts / cultural activity participated in (children aged 0 to 14)						
Drama activities	8%	% of 0-14 population participating in activity	Australian Bureau of Statistics, <i>Participation in Selected Cultural Activities, Australia, 2017–18</i> (Catalogue Number 4921.0)	102	140	182

Community Infrastructure Category	Provision ratio / participation Rate	Description of measure	Source of measure	Macaulay Structure Plan Low Development Scenario Approx. 5,200 dwellings	Macaulay Structure Plan Medium Development Scenario Approx. 7,100 dwellings	Macaulay Structure Plan High Development Scenario Approx. 9,200 dwellings
Singing or playing a musical instrument	23%	As above	As above	298	409	529
Dancing	17%	As above	As above	215	295	382
Art and craft activities	39%	As above	As above	503	690	893
Creative writing	23%	As above	As above	292	400	518
Creating digital content	17%	As above	As above	214	293	380
Screen based activities	90%	As above	As above	1,170	1,605	2,079
Reading for pleasure	79%	As above	As above	1,017	1,395	1,807

Appendix 2. Indicative Specifications for Proposed Community Centres

Project: Macaulay West Community Centre (Macaulay Structure Plan)	
	Size (m2)
Land area allocation (m2)	2,000
Building floor area (m2)	1,207
Car parking	0

Summary of Key Components	Size (m2)
Kindergarten	607
MCH	143
Other general community spaces	457
Total Floor Area	1,207
Outdoor Play Area for Kindergarten	680

Element	Floor area m2	Area m2
	Indoor	Outdoor
Kindergarten 2 rooms		
Foyer	40	
Office	30	
Room 1	120	
Room 2	120	
Staff/meeting room	28	
Kitchen	14	
Storage	46	
Shared staff/accessible toilet	10	
Children's amenities area	28	
Shared rear veranda	46	
Shared external storage	70	
Shared outdoor play area		680
Circulation 10%	55	
Sub-total	607	680
MCH & Family Services		
Consulting room 1	18	
Consulting room 2	18	
Consulting room 3	18	
Waiting room	36	
Staff amenities/accessible toilet	8	
Storage	11	
Kitchenette	2	
Family amenities	12	
Parent education	20	
Circulation 10%	14	
Sub-total	143	
General Community Spaces		
Front veranda	40	
Foyer/reception	45	
Pram storage	10	
Amenities	25	
Staff amenities/accessible toilet	8	

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Element	Floor area m2	Area m2
	Indoor	Outdoor
Kitchen	20	
Office 1	20	
Office 2	20	
Activity room 1	20	
Activity room 2	67	
Activity room 3	122	
Storage	60	
Outdoor garden/play area	0	130
Circulation 10%	46	
Sub-total	457	
Total Floor Area	1,207	

Project: Macaulay East Community Centre (Macaulay Structure Plan)	
	Size (m2)
Land area allocation (m2)	5,000
Building floor area (m2)	3,643
Car parking	0

Summary of Key Components	Size (m2)
Existing Community Space	1,502
Kindergarten	607
General Community Space	714
Spaces for community service organisations	821
Total Floor Area	3,643
Outdoor Play Area for Kindergarten	680
Outdoor Community Garden	500

Element	Floor area m2	Area m2
	Indoor	Outdoor
Existing Community Space		
Foyer (NMRC)	80	
Reception (NMRC)	44	
Waiting Area (NMRC)	36	
Communications	6	
Cleaners room	8	
Amenities/ accessible toilet	30	
Storage	40	
Commercial kitchen (NMRC & JMNC)	35	
Youth Service Office (NMRC)	68	
Family Service Office & Play Space (NMRC)	200	
Multipurpose Room (NMRC)	70	
Games Room (NMRC)	150	
Large hall (NMRC)	300	
Small hall (JMNC)	200	
Meeting room 1 (JMNC)	29	
Meeting room 2 (JMNC)	40	
Meeting room 3 (JMNC)	29	
<i>Sub-total</i>	<i>1365</i>	
<i>Circulation (10%)</i>	<i>137</i>	
Sub-total Existing Community Space	1502	
New Kindergarten (2 rooms)		
Foyer	40	
Office	30	
Room 1	120	
Room 2	120	
Staff/meeting room	28	
Kitchen	14	
Storage	46	

Macaulay Structure Plan Community Infrastructure Needs Assessment

Element	Floor area m2	Area m2
	Indoor	Outdoor
Shared staff/accessible toilet	10	
Children's amenities area	28	
Shared rear veranda	46	
Shared external storage	70	
Shared outdoor play area		680
Circulation 10%	55	
Sub-total	607	680
Proposed New General Community		
Foyer	80	
Reception	45	
Communications	6	
Cleaners room	8	
Amenities/ accessible toilet	30	
Storage	80	
Commercial kitchen	35	
Large hall	200	
Small hall	100	
Training room 1	30	
Training room 2	35	
Sub-total	649	
Circulation (10%)	65	
Sub-total General Community	714	
Community Garden		500
Proposed new Council and Non-Council Community Services		
Reception / administration / kitchenette	45	
Waiting room	36	
Staff amenities/accessible toilet	30	
Storage	60	
Open plan office	350	
Meeting room 1	35	
Meeting room 2	35	
Meeting room 3	35	
Consulting room 1	20	
Consulting room 2	20	
Consulting room 3	20	
Consulting room 4	20	
Consulting room 5	20	
Consulting room 6	20	
Sub-total	746	
Circulation 10%	75	
Sub-total Council and Non-Council Community Services	821	
Total Floor Area	3,643	