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Issue Status & No

—

DEVELOPMENT APPLICATION

PROJECT SHEET LIST

SHEET NUMBER	SHEET NAME
A00 SERIES | INTRODUCTORY	
A00.001	COVER SHEET
A03 SERIES | PROPOSED SITE	
A03.001	PROPOSED SITE PLAN
A10 SERIES | PLANS	
A10.002	GROUND FLOOR PLAN
A11.001	ROOF PLAN
A10.001	LOWER GROUND FLOOR PLAN
A19.001	SHADOW DIAGRAMS
A20 SERIES | ELEVATIONS	
A20.001	EXTERNAL ELEVATIONS
A30 SERIES | SECTIONS	
A30.002	LONG BUILDING SECTIONS
A30.001	SHORT BUILDING SECTIONS
A80 SERIES | GFA PLANS	
A80.001	GFA PLANS

Client

—

Camden Council

Warren and Mahoney Architects Australia Pty Ltd

—

Suite 13.03, Plaza Building
Australia Square, 95 Pitt Street
Sydney, NSW 2000
Australia
Phone + 61 2 8021 9809
Nominated Architect:
Sven Ollmann ARB NSW 11123

—

Registered Architects and Designers
www.warrenandmahoney.com

Project Title

—

Oran Park Leisure Centre

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Revisions

—

A 25.06.21 DEVELOPMENT APPLICATION

Notes

—

N
PROJECT NORTH

N
TRUE NORTH

Client

—

Camden Council

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Project Title

—

Oran Park Leisure Centre

Enter address here

Drawing Title

—

PROPOSED SITE PLAN

Drawing Status

DEVELOPMENT APPLICATION

Drawing Details

—

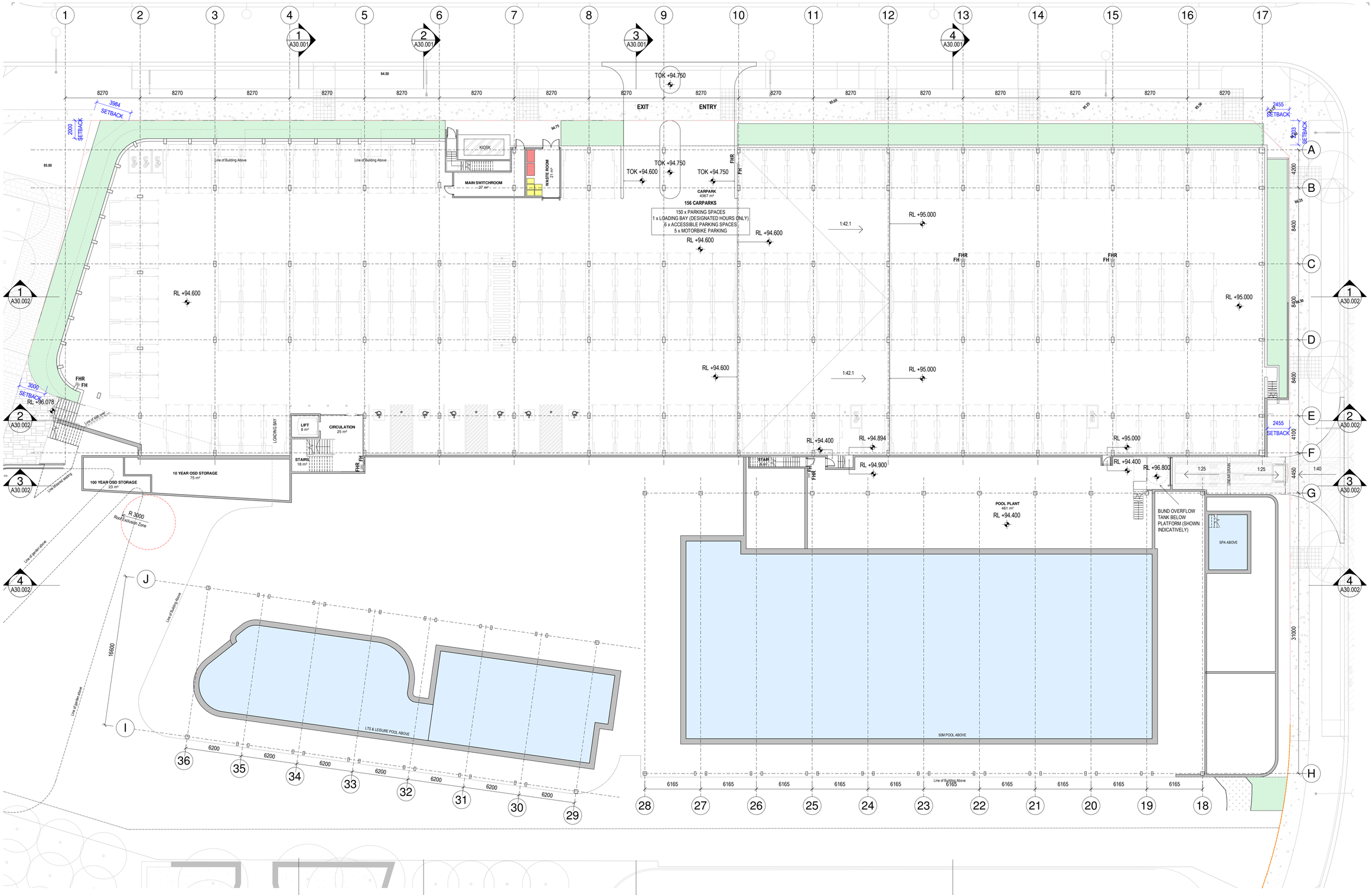
Scale	1 : 500@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No **Revision**

—

A03.001 A

WARREN AND MAHONEY



LOWER GROUND FLOOR PLAN

1 : 200

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Revisions

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A 25.06.21 DEVELOPMENT APPLICATION

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PROJECT NORTH

TRUE NORTH

Client

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Camden Council

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Project Title

—

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Drawing Title

—

LOWER GROUND FLOOR PLAN

Drawing Status

DEVELOPMENT APPLICATION

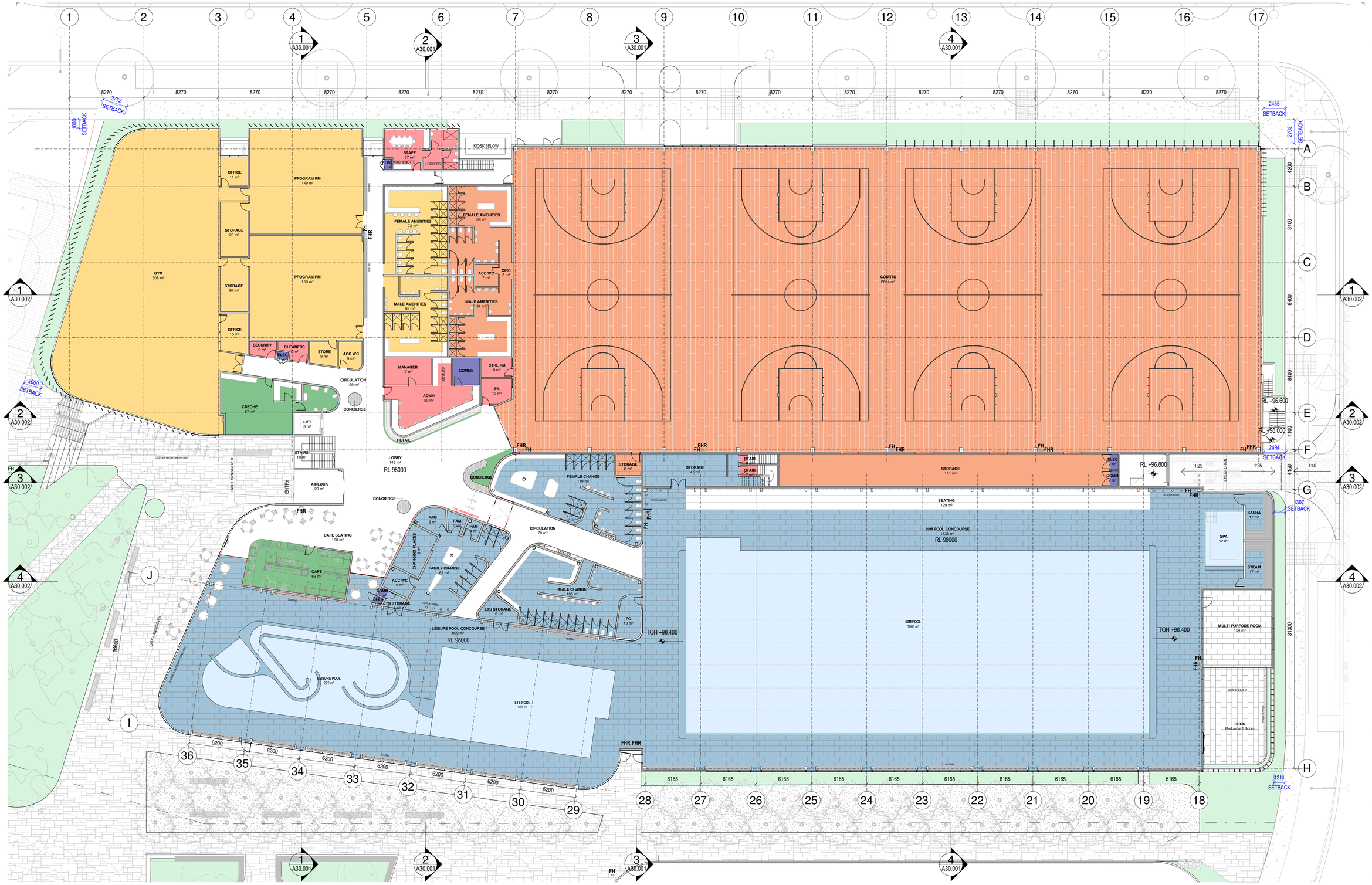
Drawing Details

—

Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No	Revision
A10.001	A

WARREN AND MAHONEY



GROUND FLOOR PLAN

1 : 200

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Revisions

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A 25.06.21 DEVELOPMENT APPLICATION

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PROJECT NORTH

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Project Title

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Oran Park Leisure Centre

Enter address here

Drawing Title

—

GROUND FLOOR PLAN

Drawing Status

DEVELOPMENT APPLICATION

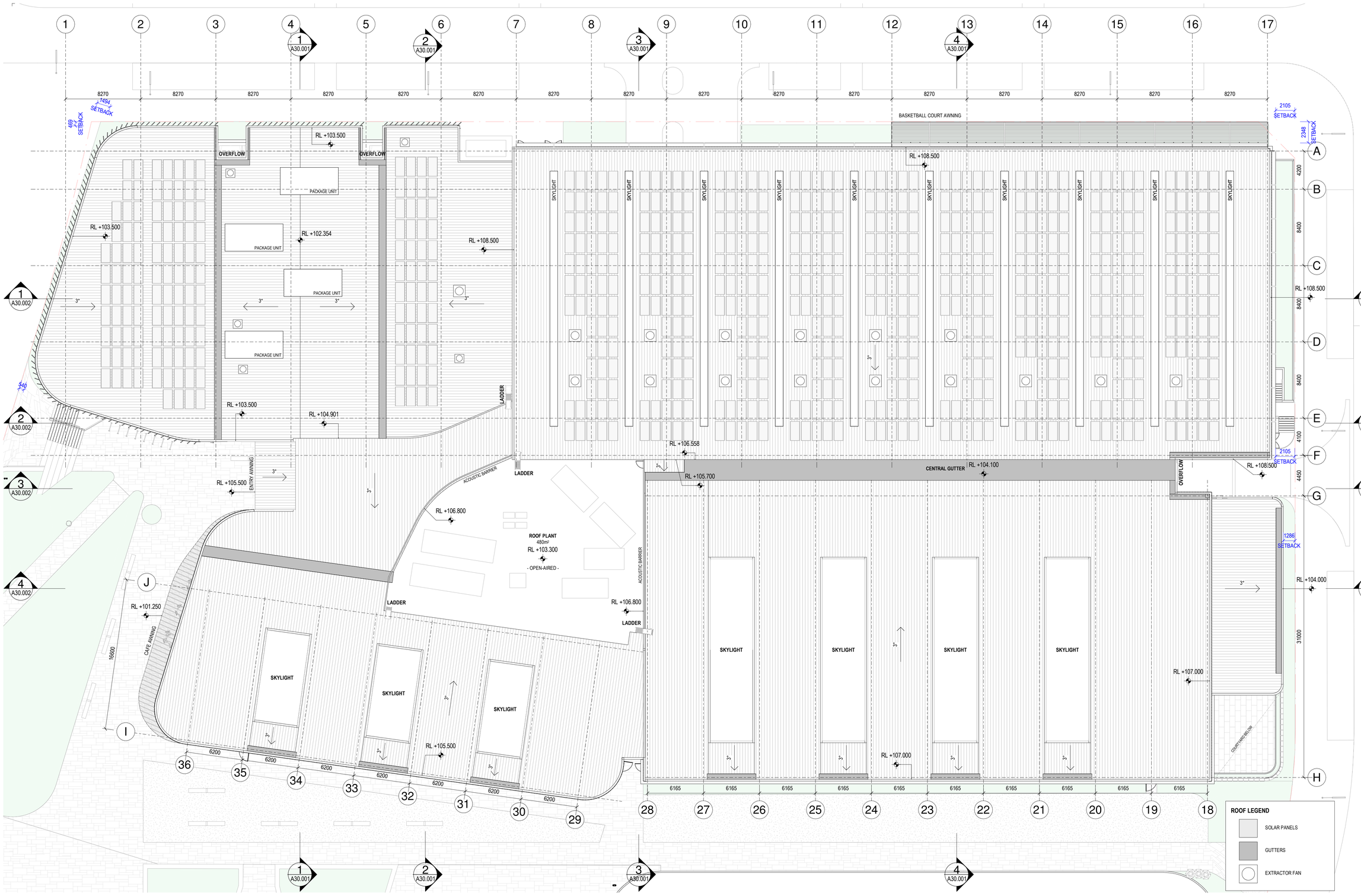
Drawing Details

—

Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No	Revision
A10.002	A

WARREN AND MAHONEY



ROOF LEGEND

- SOLAR PANELS
- GUTTERS
- EXTRACTOR FAN

ROOF PLAN

1 : 200

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Revisions

A	25.06.21	DEVELOPMENT APPLICATION

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PROJECT NORTH

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Project Title

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Drawing Title

ROOF PLAN

Drawing Status

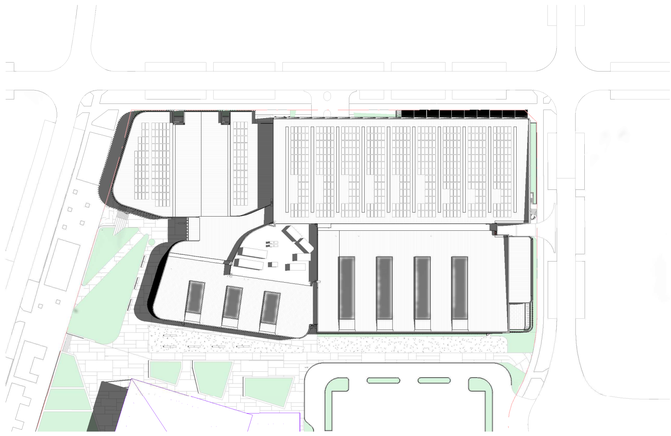
DEVELOPMENT APPLICATION

Drawing Details

Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No	Revision
A11.001	A

WARREN AND MAHONEY



SUMMER 9AM

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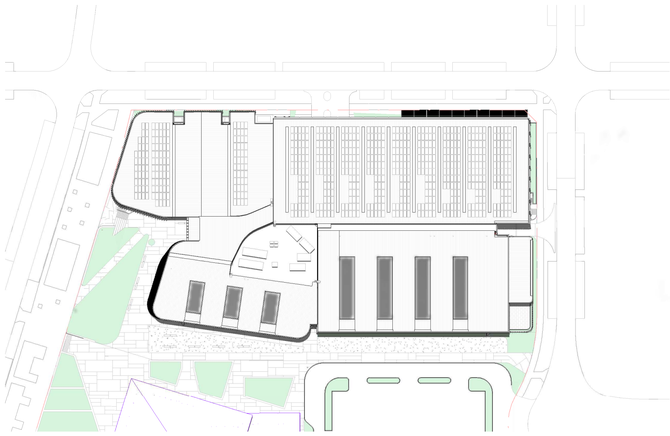

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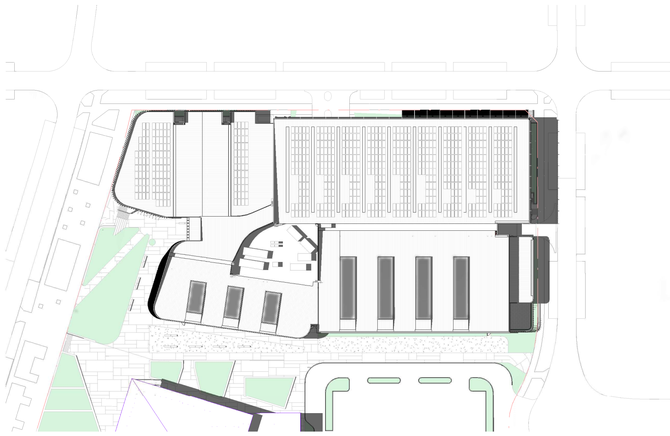

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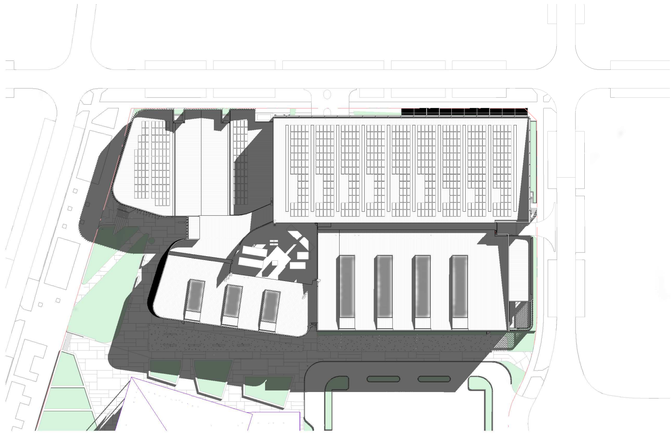

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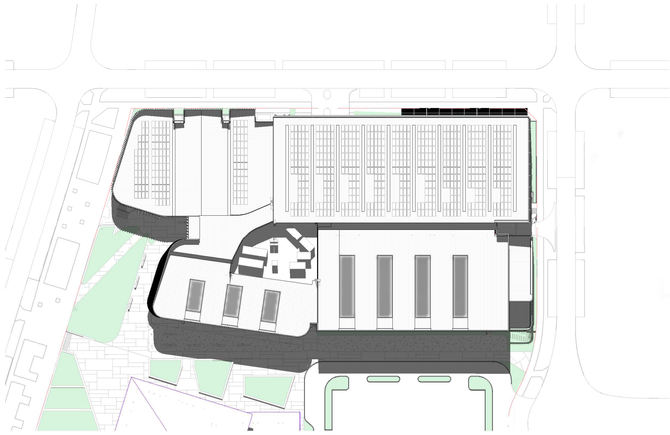

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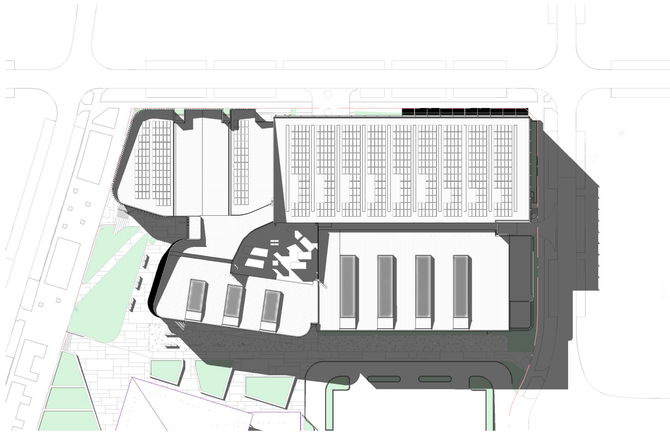

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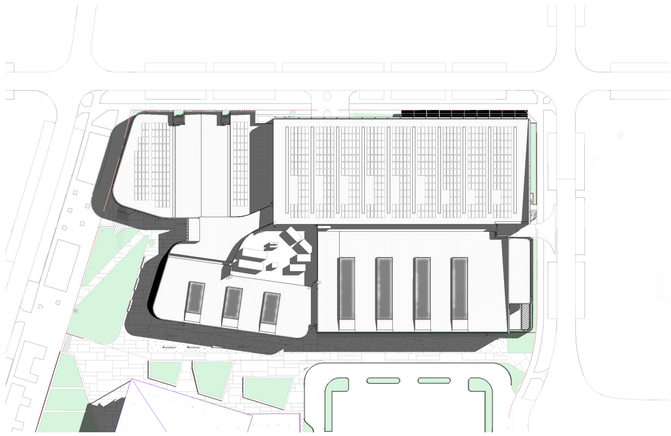

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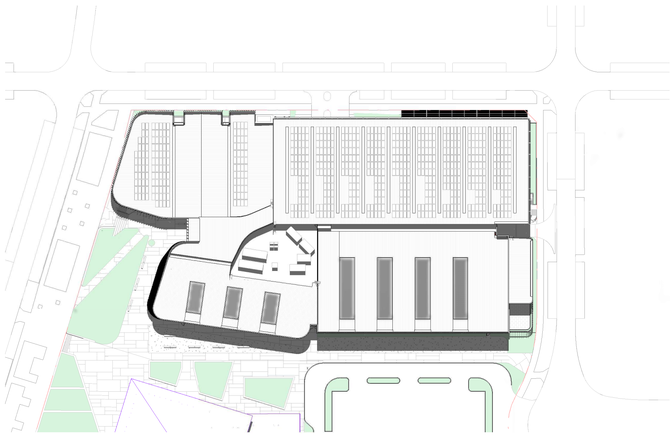

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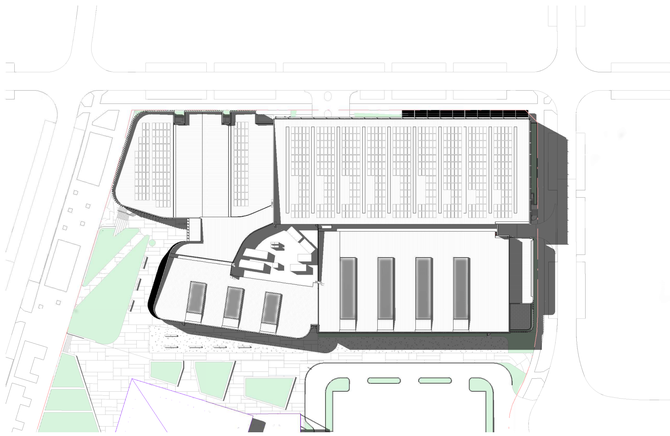

EQUINOX 3PM

1 : 1000

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Revisions

—

A 25.06.21 DEVELOPMENT APPLICATION

Notes

—

N

PROJECT NORTH

N

TRUE NORTH

Client

—

Camden Council

Warren and Mahoney Architects Australia Pty Ltd

—

Suite 13.03, Plaza Building
Australia Square, 95 Pitt Street
Sydney, NSW 2000
Australia
Phone + 61 2 8021 9809
Nominated Architect:
Sven Ollmann ARB NSW 11123

—

Registered Architects and Designers
www.warrenandmahoney.com

Project Title

—

Oran Park Leisure Centre

Enter address here

Drawing Title

—

SHADOW DIAGRAMS

Drawing Status

DEVELOPMENT APPLICATION

Drawing Details

—

Scale	1 : 1000@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No **Revision**

—

A19.001 A

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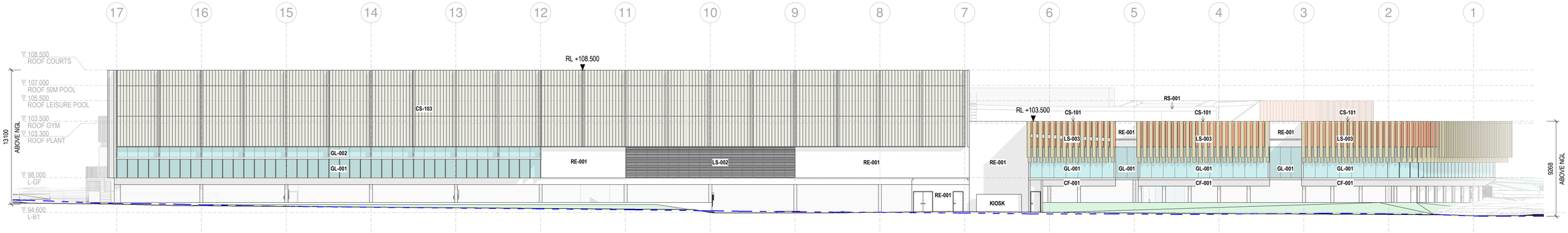
Revisions

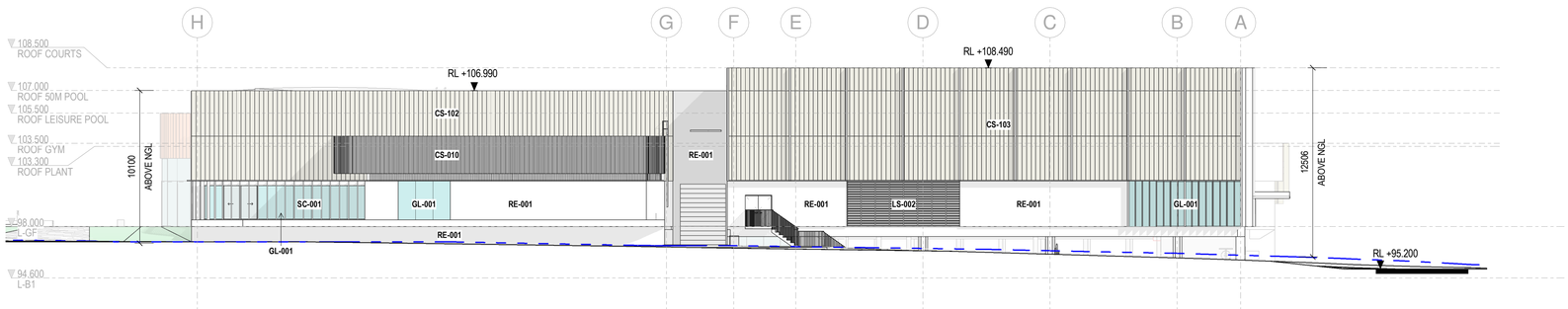
A	25.06.21	DEVELOPMENT APPLICATION

Notes



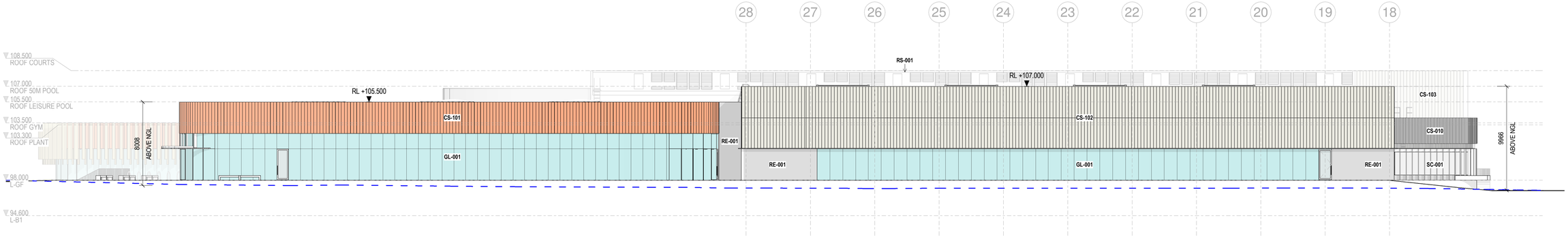
NORTH ELEVATION

1 : 200



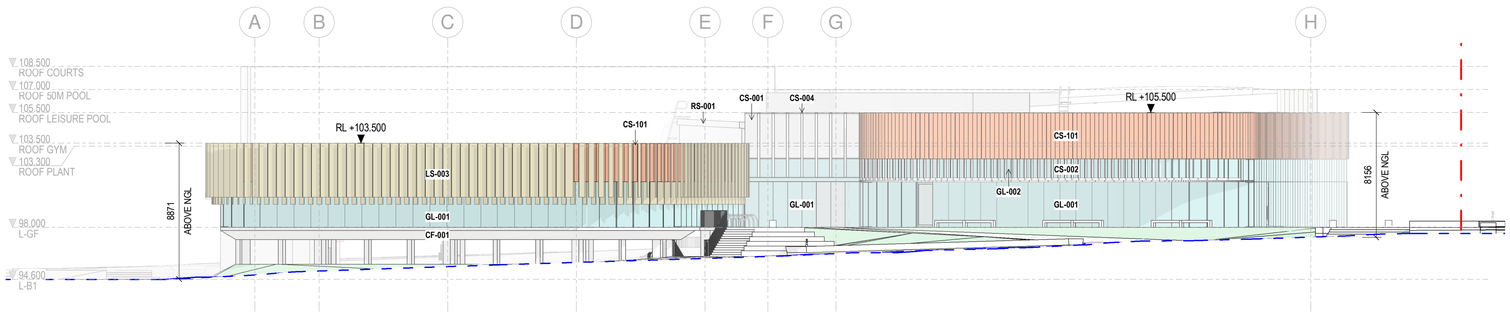
EAST ELEVATION

1 : 200



SOUTH ELEVATION

1 : 200



WEST ELEVATION

1 : 200

ELEVATION LEGEND

CODE	FINISH
CF-001	OFF FORM CONCRETE
CS-001	METAL CLADDING SYSTEM
CS-002	50 METAL FIN
CS-004	150 METAL FIN
CS-010	ALUMINIUM BATTENS
CS-101	PRE-FINISHED FIBRE CEMENT - TERRACOTTA
CS-102	PRE-FINISHED FIBRE CEMENT - OFF WHITE
CS-103	PRE-FINISHED FIBRE CEMENT - GREY
GL-001	GLASS
GL-002	TRANSLUCENT GLASS
LS-002	FIXED METAL ACOUSTIC LOUVRE
LS-003	FIXED METAL DOUBLE LOUVRE
RE-001	ACRYLIC RENDER
RS-001	ROOF SYSTEM
SC-001	METAL SCREEN

Client

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Nominated Architect:
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Registered Architects and Designers
www.warrenandmahoney.com

Project Title

Oran Park Leisure Centre

Enter address here

Drawing Title

EXTERNAL ELEVATIONS

Drawing Status

DEVELOPMENT APPLICATION

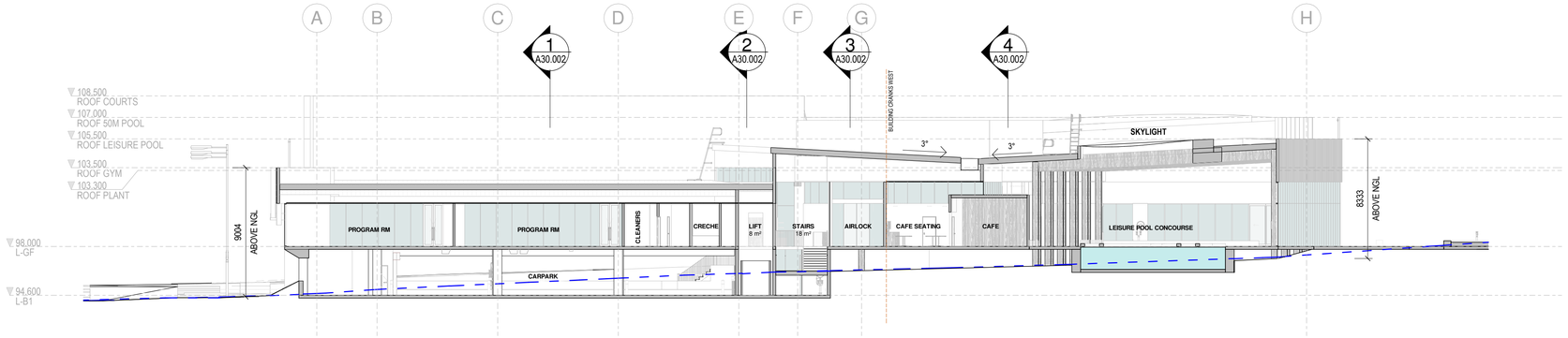
Drawing Details

Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No A20.001

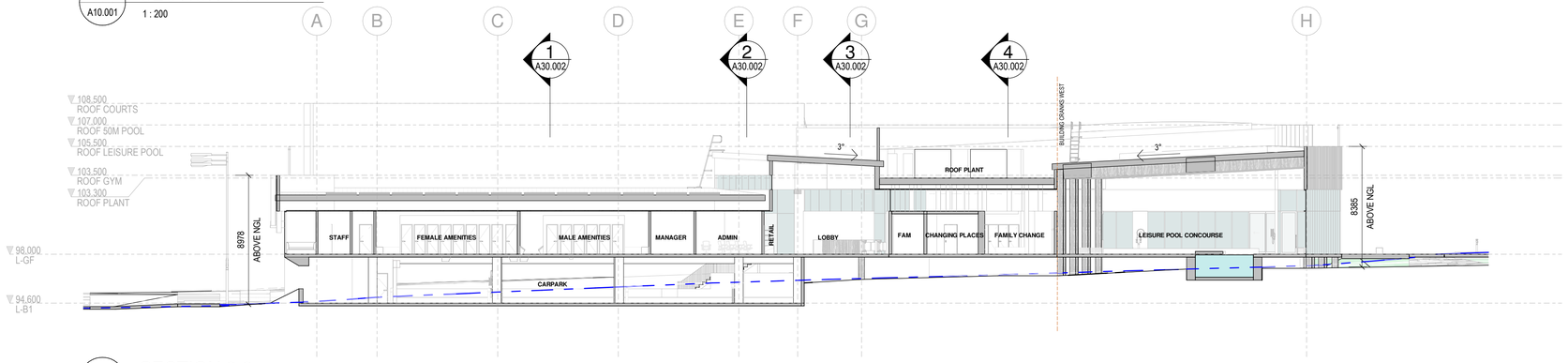
Revision A

WARREN AND MAHONEY



1 A10.001 SECTION 1-1

1 : 200

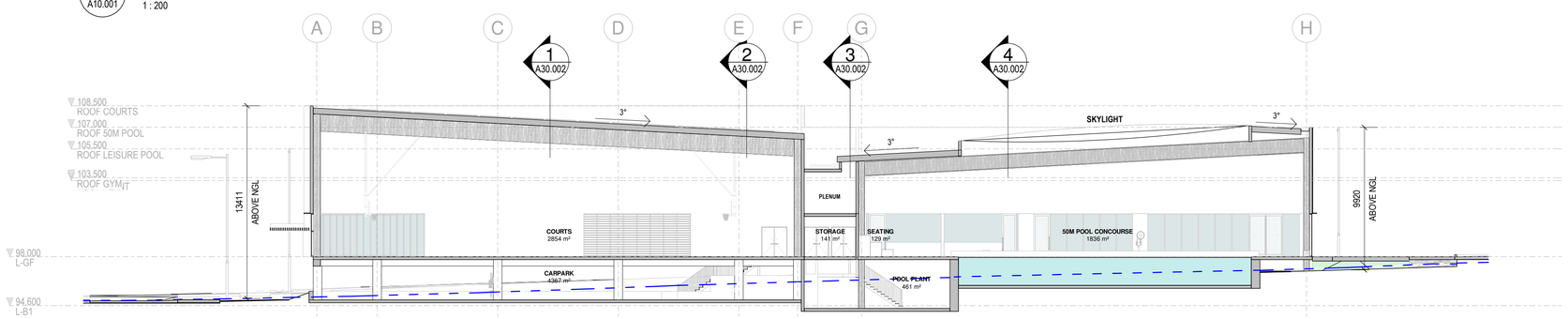


2 A10.001 SECTION 2-2

1 : 200

3 A10.001 SECTION 3-3

1 : 200



4 A10.001 SECTION 4-4

1 : 200

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Revisions

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A 25.06.21 DEVELOPMENT APPLICATION

Notes

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Client

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Project Title

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Oran Park Leisure Centre

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Drawing Title

—

SHORT BUILDING SECTIONS

Drawing Status

DEVELOPMENT APPLICATION

Drawing Details

—

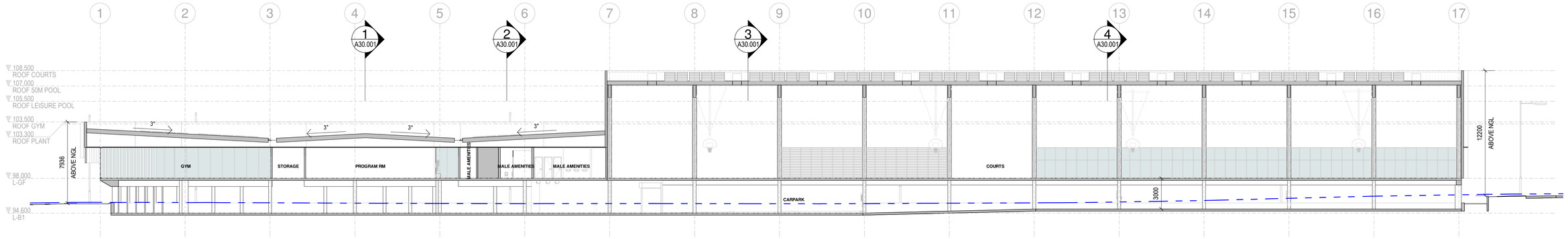
Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No **Revision**

—

A30.001 A

WARREN AND MAHONEY



1 A10.001 SECTION A-A

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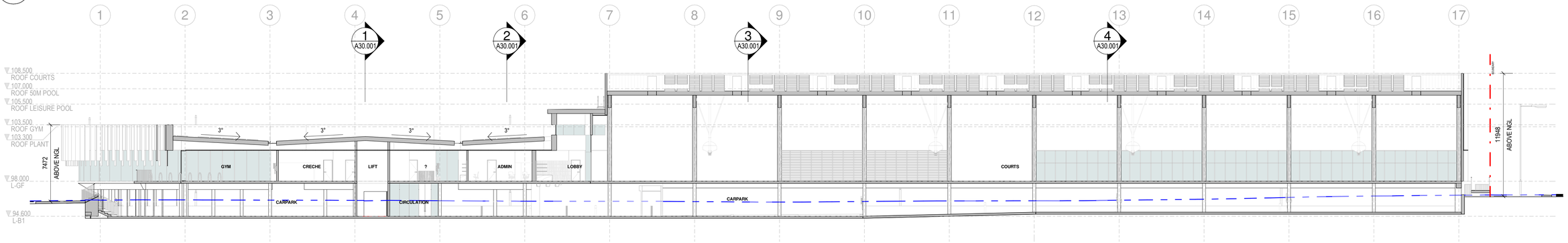

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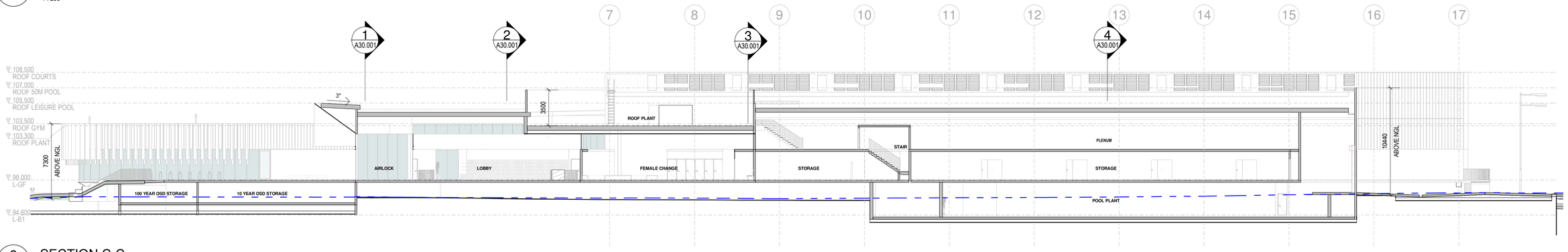

3 A10.001 SECTION C-C

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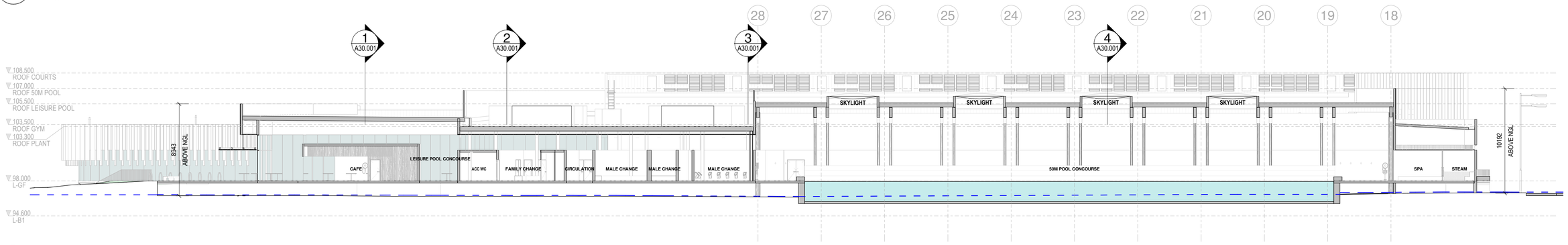

4 A10.001 SECTION D-D

1 : 200

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Project Title

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Drawing Title

LONG BUILDING SECTIONS

Drawing Status

DEVELOPMENT APPLICATION

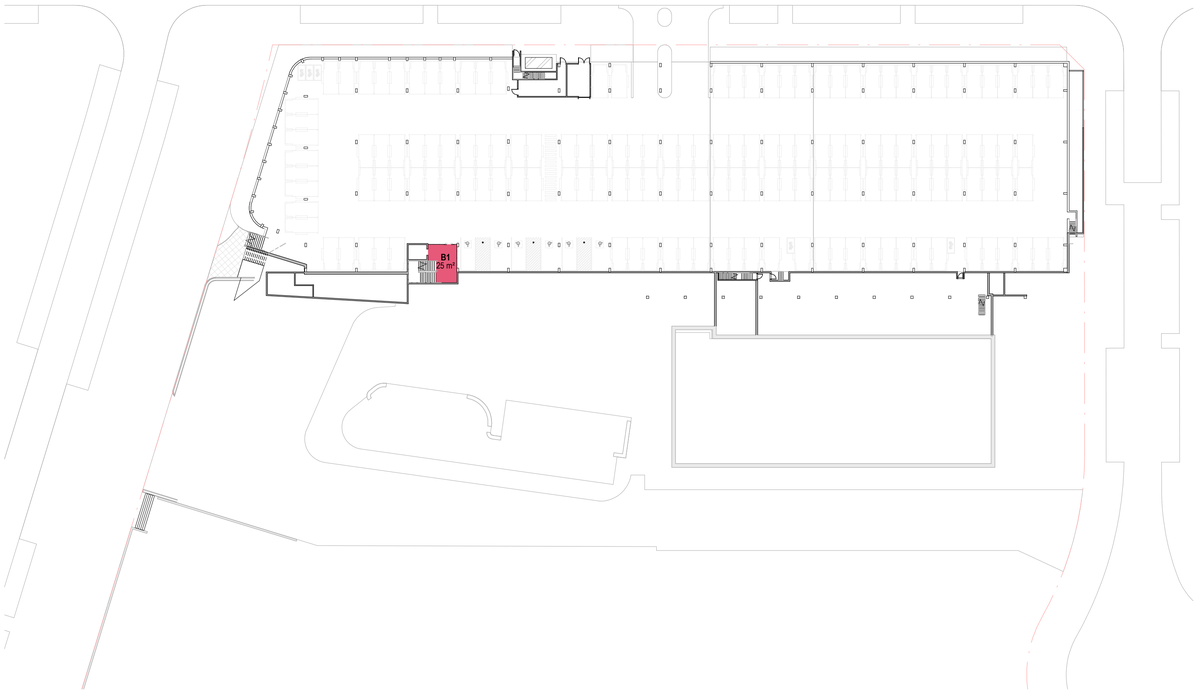
Drawing Details

Scale	1 : 200@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

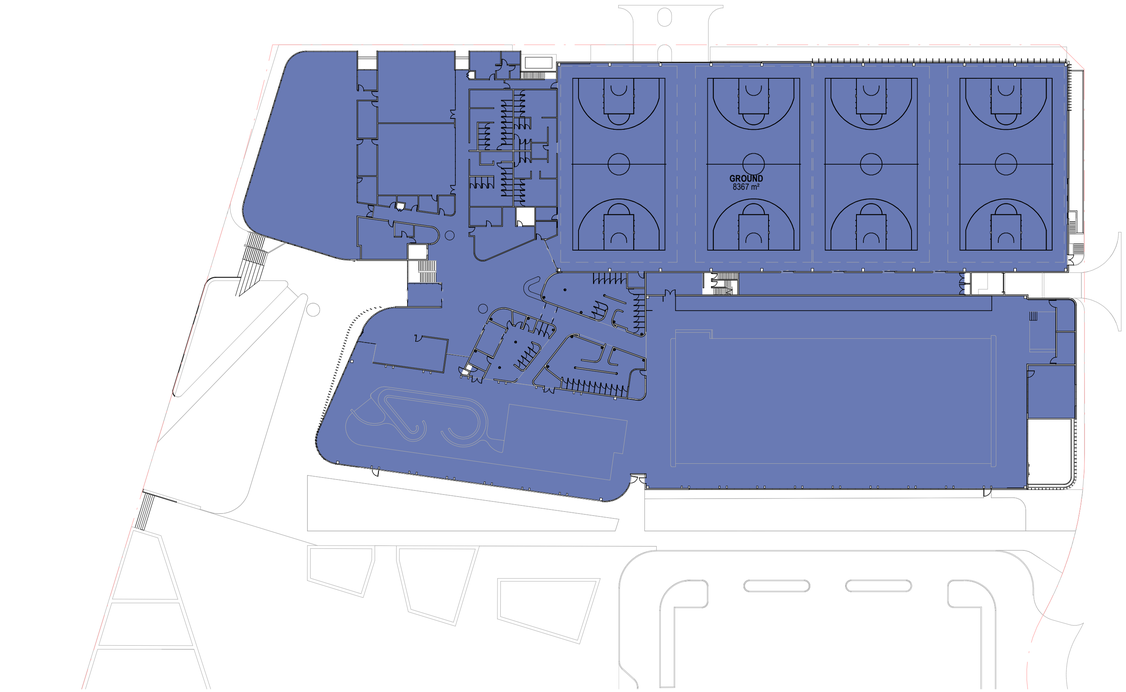
Drawing No A30.002

Revision A

WARREN AND MAHONEY



BASEMENT 01



GROUND FLOOR

GFA PLANS

B1

GFA PLANS

GROUND

TOTAL GFA	
LEVEL	**AREA**
B1	25 m²
GROUND	8367 m²

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Revisions

A	25.06.21	DEVELOPMENT APPLICATION

Notes

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PROJECT NORTH

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TRUE NORTH

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Project Title

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Drawing Title

GFA PLANS

Drawing Status

DEVELOPMENT APPLICATION

Drawing Details

Scale	1 : 500@ A1
Date	25.06.21
Job No	9167
Drawn	WAM
Checked	WAM

Drawing No A80.001

Revision A

WARREN AND MAHONEY

diadem

Oran Park Leisure Centre External wayfinding signage

Concept Design
Issue 06

Warren and Mahoney

WNM22089
15 June 2021

Change register

			AM	Drawn	Checked
Issue 01	23 April 2021	—	CG	MM	CG
Issue 02	26 April 2021	Remove Option 3, amended ID1w and repositioned ID2w	CG	CB	MM
Issue 03	25 May 2021	Amendments following presentation to Council Round 1	CG	MM	CG
Issue 04	28 May 2021	Amendments following presentation to Council Round 2	CG	MM	CG
Issue 05	04 June 2021	Option 2 chosen	CG	MM	CG
Issue 06	15 June 2021	Dimensions and illumination	CG	MM	NE

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Melbourne 3000
VIC Australia
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F/ 03 9670 6769

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General note: these drawings are prepared to communicate design intent only.
All message content is indicative. All structural frames, footings and connections to be as per Engineer's specifications and requirements. Contractor to ensure all materials, measurements, Fixing details and methods are suitable for the site application before manufacture.

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Our intent

Good wayfinding supports people in navigation and movement around places and spaces.

Our intent is for wayfinding to be **integrated and fit for purpose** – preserving the intent and integrity of the architecture – optimising its functionality.

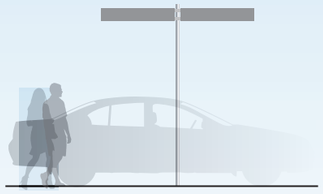
Information requirements

Preliminary signage suite (external)

The journey to site will be directed via road traffic and local council signage.

On approach, the building then requires identification and confirmation of its entry.

ENTRY TO PRECINCT →

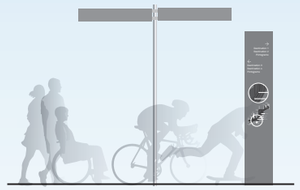


RTA

Street / destination directional
By others

PTA

Bus stop identification
By others



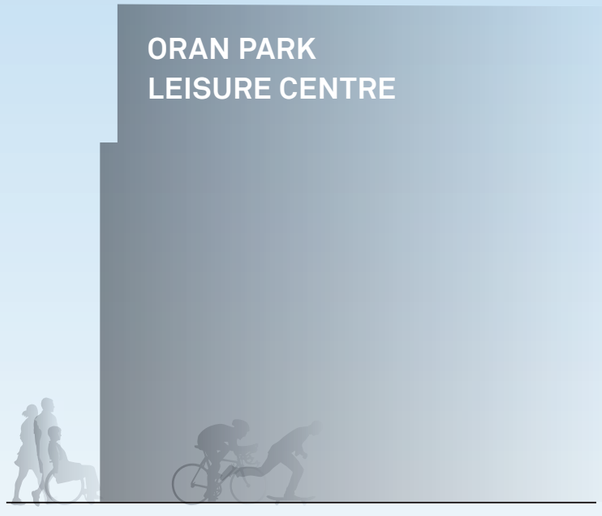
CoD

Precinct directional
Existing / precinct perimeter

ENTRY TO SITE →

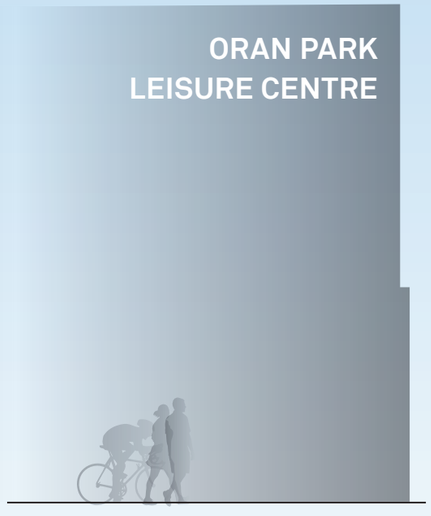
ID1w

Site identification
Single sided
Non-illuminated



ID2w

Building identification
Single sided
Illuminated



ID3w

Building identification
Single sided
Illuminated

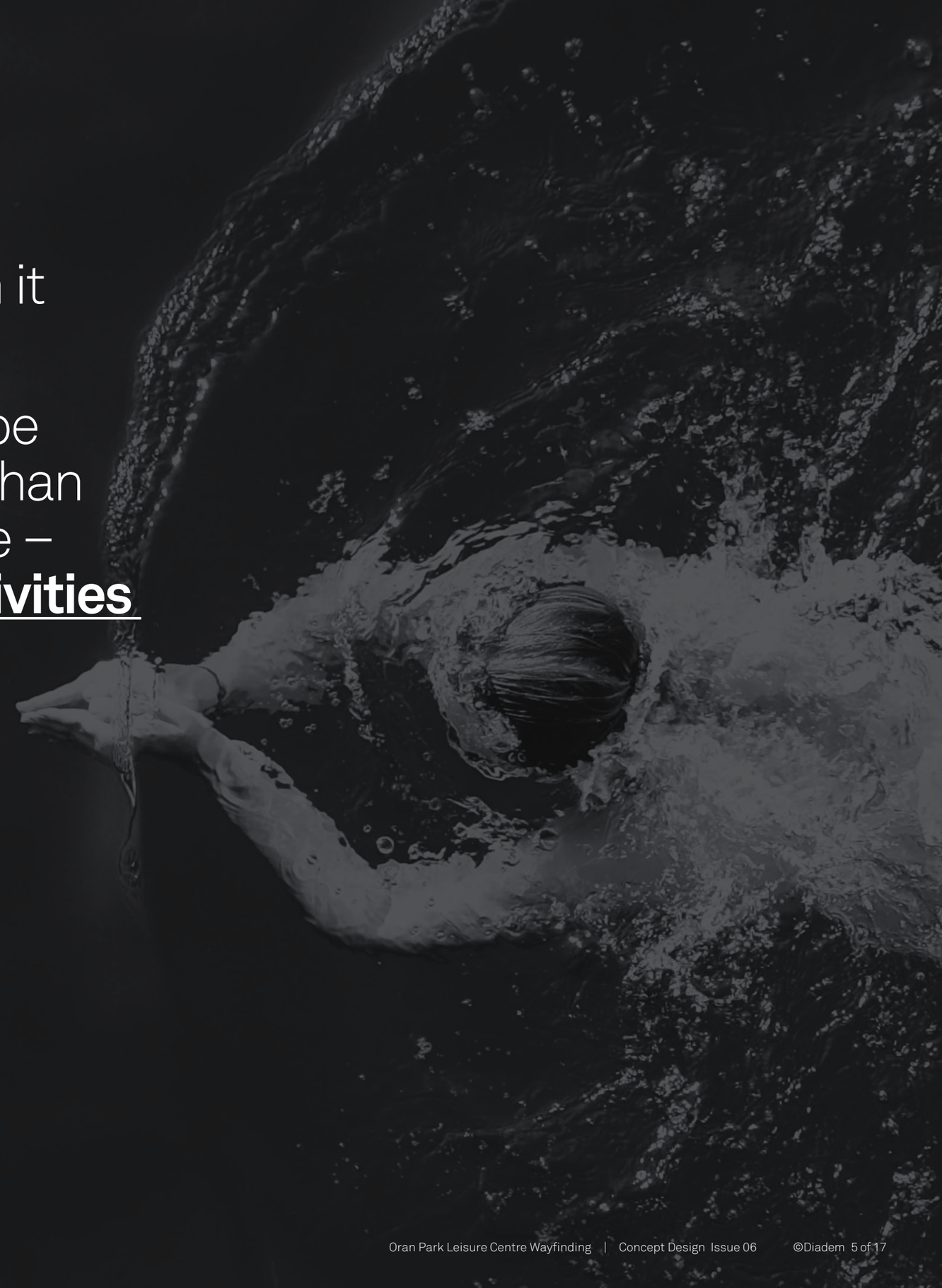
ID4c

Parking entry identification
Double sided
Illuminated

The place

To understand the building's function it **needs a name** that explains it.

Where possible that name needs to be visualised in a more interesting way than a standard word processing typeface – **an aesthetic that speaks to the activities that take place inside**.



Site identification

Concept Design

Emphasis on the buildings function while identifying its location as Oran Park as secondary.

The aesthetic is taken from cues of the activities that take place on-site:

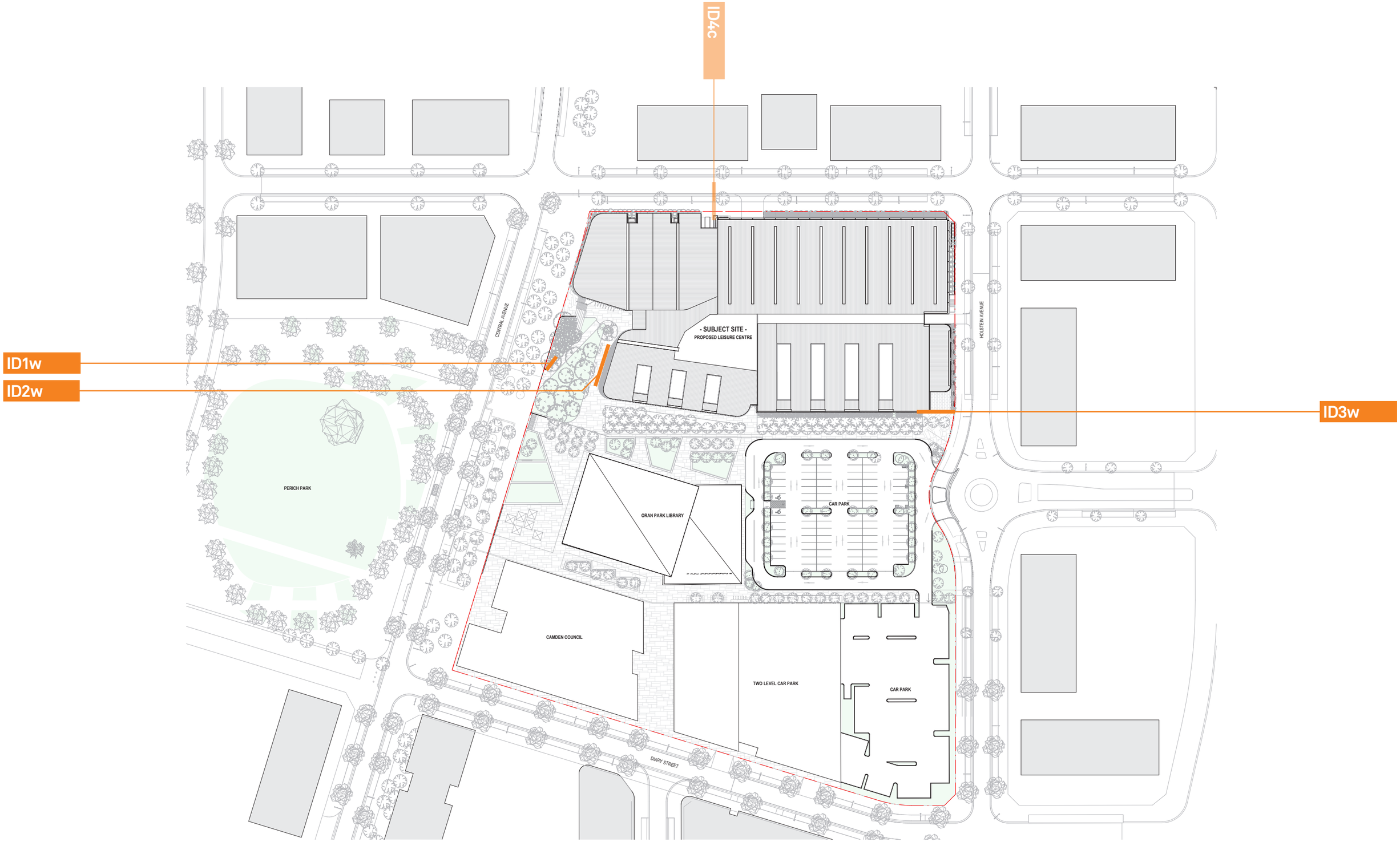
Court lines

Pool lanes

Oran Park
Leisure Centre

Sign locations

Concept Design



ID1w

Site identification
Wall mounted
Single sided
Non-illuminated

ID2w

Building Identification
Facade mounted
Single sided
Illuminated

ID1w

Site identification
Wall mounted
Single sided
Non-illuminated

ID2w

Building Identification
Facade mounted
Single sided
Illuminated

ID3w

Building Identification
Facade mounted
Single sided
Illuminated

INDICATIVE ONLY
NOT DESIGNED IN THIS PACKAGE OF WORK

ID4c

Parking entry Identification
Cantilevered
Double sided
Illuminated

Drawing pages

NOTE
ALL DIMENSIONS TO BE CONFIRMED ON-SITE BEFORE MANUFACTURE
SIGNAGE IS SCALED RELATIVE TO DRAWING:
EXTERNAL ELEVATIONS-WORK IN PROGRESS -A20.001– 9/04/2021

Drawing pages

Concept Design

ID1w

Site identification
Wall mounted
Single sided
Non-illuminated

ID2w

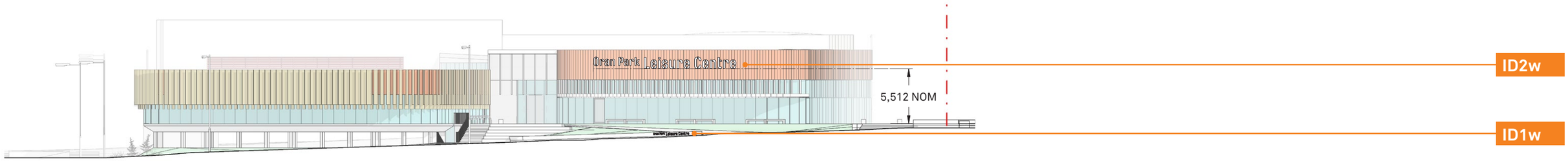
Building Identification
Facade mounted
Single sided
Halo illuminated

NOTE

ALL DIMENSIONS TO BE CONFIRMED ON-SITE BEFORE MANUFACTURE

SIGNAGE IS SCALED RELATIVE TO DRAWING:

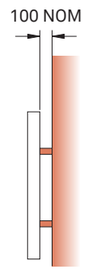
EXTERNAL ELEVATIONS-WORK IN PROGRESS -A20.001– 9/04/2021



WEST ELEVATION
SCALE 1:400 @ A3

ID1w – FRONT VIEW
SCALE 1:25 @ A3

ID2w – FRONT VIEW
SCALE 1:50 @ A3



ID2w – SIDE VIEW
SCALE 1:50 @ A3

Drawing pages

Concept Design

ID3w

Building Identification
Facade mounted
Single sided
Halo illuminated

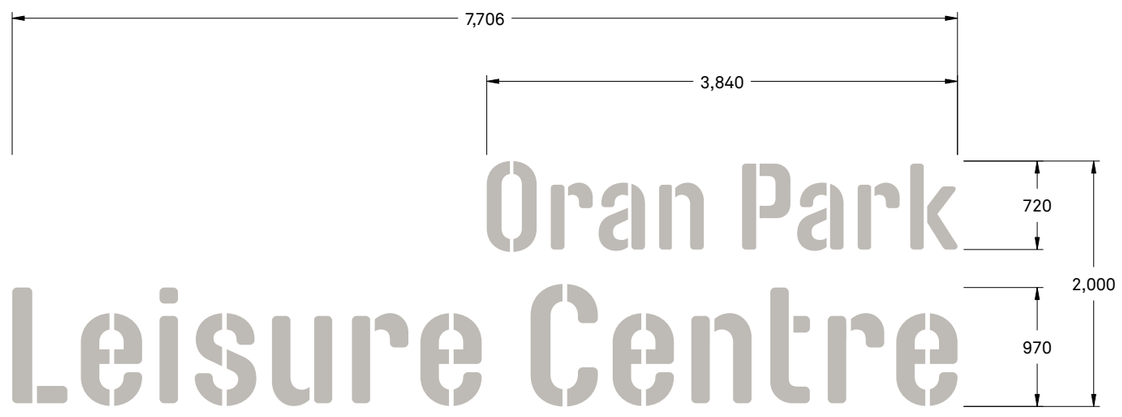
NOTE

ALL DIMENSIONS TO BE CONFIRMED ON-SITE BEFORE MANUFACTURE

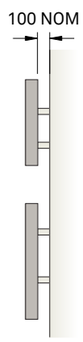
SIGNAGE IS SCALED RELATIVE TO DRAWING:

EXTERNAL ELEVATIONS-WORK IN PROGRESS -A20.001– 9/04/2021

SOUTH ELEVATION
SCALE 1:400 @ A3



ID3w – FRONT VIEW
SCALE 1:50 @ A3



ID3w – FRONT VIEW
SCALE 1:50 @ A3

Drawing pages

Concept Design

ID4c

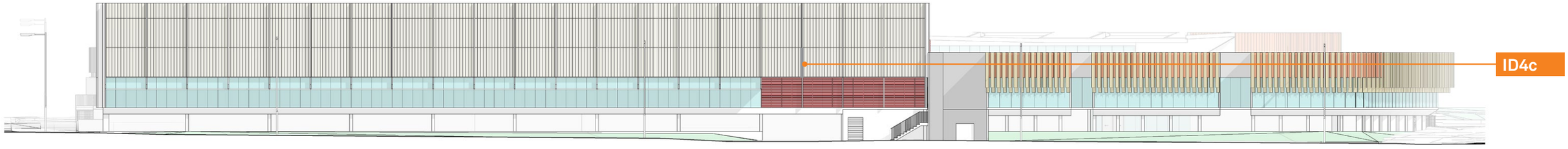
Parking entry
Identification
Cantilevered
Double sided
Internally illuminated

NOTE

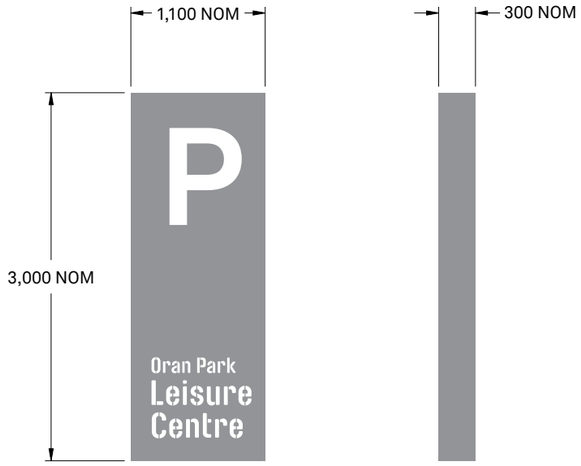
ALL DIMENSIONS TO BE CONFIRMED ON-SITE BEFORE MANUFACTURE

SIGNAGE IS SCALED RELATIVE TO DRAWING:

EXTERNAL ELEVATIONS-WORK IN PROGRESS -A20.001– 9/04/2021



NORTH ELEVATION
SCALE 1:400 @ A3

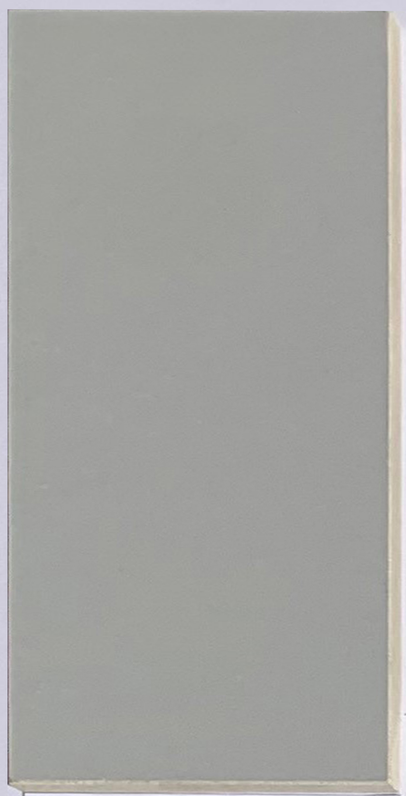


ID4c – FRONT VIEW
SCALE 1:50 @ A3

ID4c – SIDE VIEW
SCALE 1:50 @ A3

INDICATIVE DESIGN ONLY

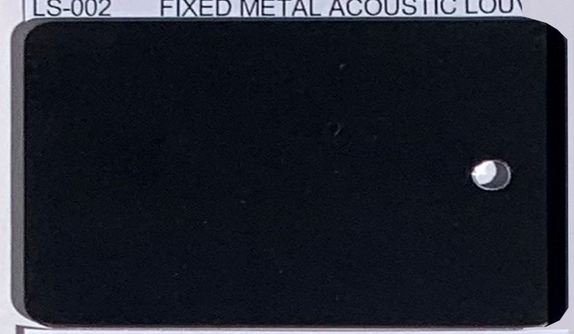
NOT DESIGNED IN THIS PACKAGE OF WORK



CS-103 PRE-FINISHED FIBRE CEMENT - GREY

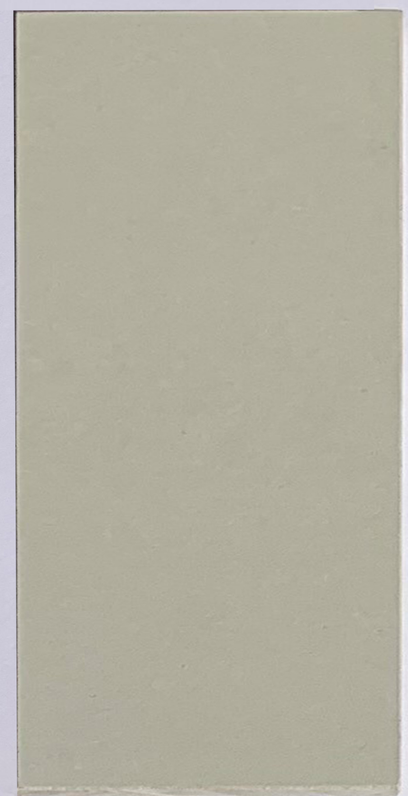
SC-001 METAL SCREEN

LS-002 FIXED METAL ACOUSTIC LOUV

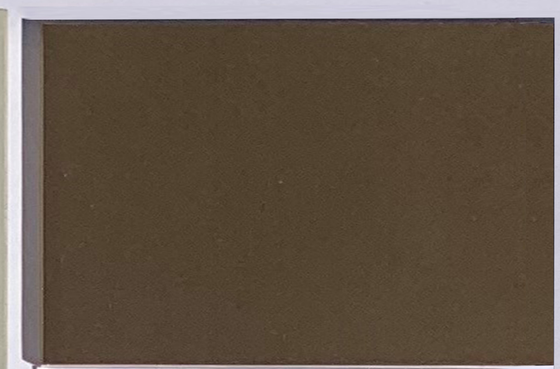


CS-003 100 METAL FIN

CS-010 ALUMINIUM BATTENS

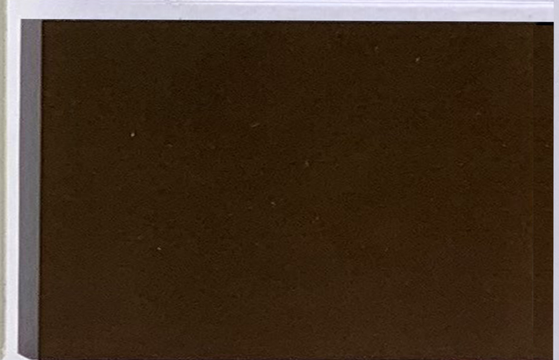


CS-102 PRE-FINISHED FIBRE CEMENT - OFF WHITE



CS-001 METAL CLADDING SYSTEM

CS-004 150 METAL FIN

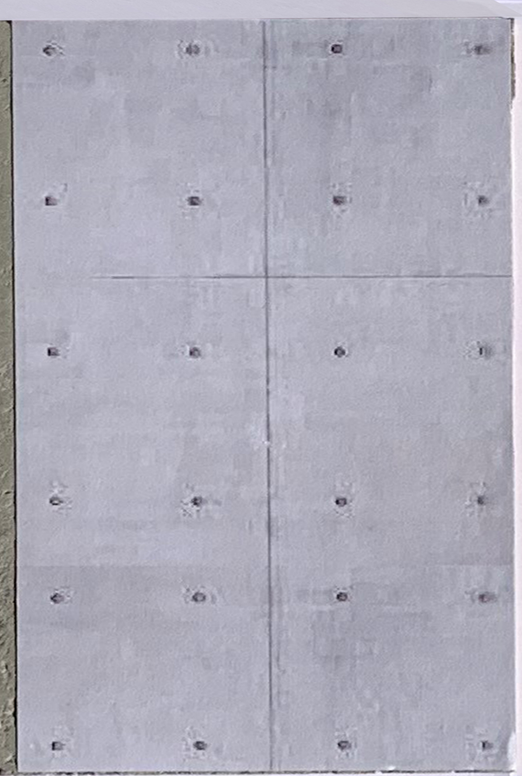


CS-002 50 METAL FIN

LS-003 FIXED METAL DOUBLE LOUVRE

CS-101 PRE-FINISHED FIBRE CEMENT - TERRACOTTA

RE-001 ACRYLIC RENDER

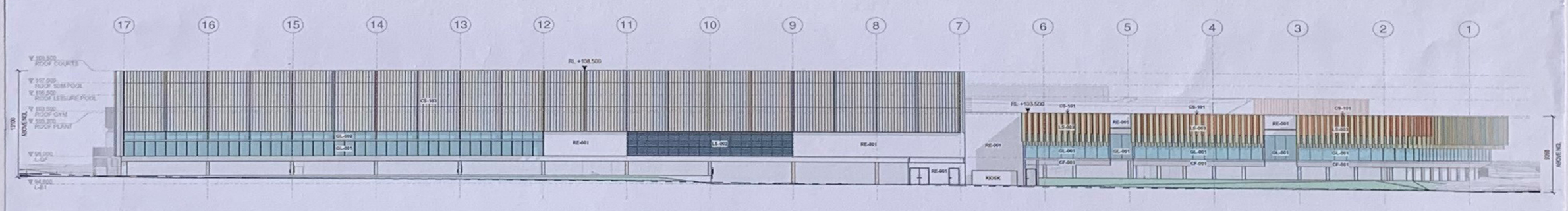


CF-001 OFF FORM CONCRETE

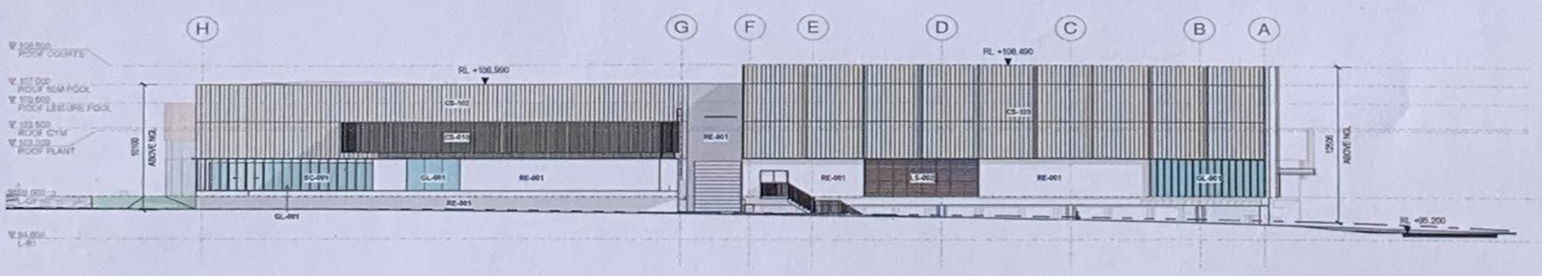
RS-001 ROOF SYSTEM

ORAN PARK MATERIAL BOARD

CODE	FINISH
CF-001	OFF FORM CONCRETE
CS-001	METAL CLADDING SYSTEM
CS-002	50 METAL FIN
CS-004	150 METAL FIN
CS-010	ALUMINIUM BATTENS
CS-101	PRE-FINISHED FIBRE CEMENT - TERRACOTTA
CS-102	PRE-FINISHED FIBRE CEMENT - OFF WHITE
CS-103	PRE-FINISHED FIBRE CEMENT - GREY
GL-001	GLASS
GL-002	TRANSLUCENT GLASS
LS-002	FIXED METAL ACOUSTIC LOUVRE
LS-003	FIXED METAL DOUBLE LOUVRE
RE-001	ACRYLIC RENDER
RS-001	ROOF SYSTEM
SC-001	METAL SCREEN



NORTH ELEVATION
1 : 200



EAST ELEVATION
1 : 200

SOUTH ELEVATION
1 : 200

WEST ELEVATION
1 : 200

Next steps

Project program

Warren and Mahoney to **review and provide feedback on endorsed sign types and locations.**

→

Diadem to address feedback and **incorporate into Design Development**. This is then incorporated into the WAM Development Application.

Design Development contains:

- Dimensioned elevations
- Notations of materials and finishes

Melbourne
Sydney
Brisbane
Adelaide
Auckland
Hong Kong

diadem.co

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ORAN PARK LEISURE CENTRE

CIVIL WORKS

GENERAL NOTES

1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the ENGINEER
2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
3. Make smooth connection with all existing works.
4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
5. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority, the Contractor is to ensure that the drawings used for construction have been approved by all relevant authorities prior to commencement site.
6. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.
7. For all temporary batters refer to geotechnical recommendations.

REFERENCE DRAWINGS

1. These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.

Consultant	Dwg Title	Dwg No	Rev	Date
WARREN AND MAHONEY	LOWER GROUND FLOOR	A10.001	-	08.06.21
WARREN AND MAHONEY	GROUND FLOOR	A10.002	-	08.06.21
JOHN LOWE AND ASS.	DETAIL SURVEY	99091	-	24.04.20
JMD DESIGN	LANDSCAPE	-	-	01.06.21

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels :
Datum of levels : AHD
Coordinate system : MGA GDA94
Survey prepared by : JOHN LOWE AND ASSOCIATES
Setout Points : SSM 193408

Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.

UNDERGROUND SERVICES - WARNING

The locations of underground services shown on Taylor Thomson Whittings drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.

The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.

Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.

The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.
Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from :

Taylor Thomson Whitting makes no guarantees that the boundary or easement information shown is correct.
Taylor Thomson Whitting will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.

KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

1. All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.
2. Expansion joints (EJ) to be formed from 10mm compressible cork filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.
3. Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.
4. Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.
5. In the replacement of kerbs –
   Existing road pavement is to be sawcut 900mm from lip of gutter. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses.
   Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole.
   Existing kerbs are to be completely removed where new kerbs are shown.

SIGNS AND LINE MARKING NOTES

1. Pavement marking and sign posting on public roads shall be in accordance with the requirements of the relevant Road Authority. The contractor shall obtain these requirements from the Road Authority.
1. Pavement marking and sign posting to be in accordance with R.T.A. 'Interim Guide to Signs and Markings'.
2. Contractor is to provide guide posts, spaced in accordance with AS1742.2. They are to be located near all head walls and pipe outlets.
3. Raised pavement markers to be in accordance with AS1742.2
4. Where existing pavement marking conflicts with proposed, it is to be removed.
5. Lane widths do not include width of gutter.
6. Line marking plan does not define boundaries.
7. Erect temporary sign 'changed traffic conditions ahead' 120m ahead of new work in both directions.
8. Establish the location of existing utility services and locate new signs clear of these installations.
9. The sloped face of the SF median kerbs which adjoin through lanes, are to be painted white in lieu of an E3 edge line. The reflective pavement markers normally associated with an E3 edge line are to be located on the pavement adjacent to the SF kerb.
10. Bicycle pavement markings and sign posting to be in accordance with Austroads Standards.
11. The design of major directional sign posting to be prepared and assessed by the R.T.A.

STORMWATER DRAINAGE NOTES

1 Stormwater Design Criteria :
(A) Average exceedance probability –
1% AEP for roof drainage to first external pit
5% AEP for paved and landscaped areas
(B) Rainfall intensities –
Time of concentration: 5 minutes
1% AEP = 247 mm/hr
5% AEP = 163 mm/hr
(C) Rainfall losses –
Impervious areas: IL = 1.5 mm , CL = 0 mm/hr
Pervious areas: IL =38.0 mm , CL = 3.7 mm/hr

2. Pipes 300 dia and larger to be reinforced concrete Class "2" approved spigot and socket with rubber ring joints U.N.O.
3. Pipes up to 300 dia shall be sewer grade uPVC with solvent welded joints.
4. Equivalent strength VCP or FRP pipes may be used subject to approval.
5. Precast pits may be used external to the building subject to approval by Engineer
6. Enlargers, connections and junctions to be manufactured fittings where pipes are less than 300 dia.
7. Where subsoil drains pass under floor slabs and vehicular pavements, unslotted uPVC sewer grade pipe is to be used.
8. Grates and covers shall conform with AS 3996-2006, and AS 1428.1 for access requirements.
9. Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
10. Care is to be taken with levels of stormwater lines. Grades shown are not to be reduced without approval.
11. All stormwater pipes to be 150 dia at 1.0% min fall U.N.O.
12. Subsoil drains to be slotted flexible uPVC U.N.O.
13. Adopt invert levels for pipe installation (grades shown are only nominal).

CONCRETE NOTES

EXPOSURE CLASSIFICATION : External : B2

CONCRETE

Place concrete of the following characteristic compressive strength f'c as defined in AS 1379.

Location	AS 1379 f'c MPa at 28 days	Specified Slump	Nominal Agg. Size
Kerbs	S20	80	20
Retaining wall footing Stormwater pits	S40	80	20

1. Use Type "GP" cement, unless otherwise specified.
2. All concrete shall be subject to project assessment and testing to AS 1379.
3. Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.
4. For all falls in slab, drip grooves, reglets, chamfers etc. refer to Architects drawings and specifications.
5. Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.
6. No holes or chases shall be made in the slab without the approval of the Engineer.
7. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
8. Slurry used to lubricate concrete pump lines is not to be used in any structural members.
9. All slabs cast on ground require sand blinding with a Concrete Underlay

FORMWORK

1. The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

SITEWORKS NOTES

1. All basecourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
2. All trench backfill material shall be compacted to the same density as the adjacent material.
3. All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1

PIT SCHEDULE

Note: Grate size does not necessarily reflect pit size, refer pit type details, shown on detail sheets – **C51**
Final internal pit dimensions are to comply with AS3500

Type	Description	Cover (Clear Opening)	Number
A	Surface inlet pit	900 x 900 Class D galvanised mild steel grate hinged to frame	1-7,22, 27-32
	Junction pit	900 x 900 Class D cast iron cover with concrete infill	23-26
B	Surface inlet pit	600 x 600 Class D galvanised mild steel grate hinged to frame	8-21

SAFETY IN DESIGN

Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.

EXISTING SERVICES

Contractor to be aware existing services are located within the site. Location of all services to be verified by the Contractor prior to commencing works. Contractor to confirm with relevant authority regarding measures to be taken to ensure services are protected or procedures are in place to demolish and/or relocate.

EXISTING STRUCTURES

Contractor to be aware existing structures may exist within the site. To prevent damage to existing structure(s) and/or personnel, site works to be carried out as far as practicably possible from existing structure(s).

EXISTING TREES

Contractor to be aware existing trees exist within the site which need to be protected. To prevent damage to trees and/or personnel, site works to be carried out as far as practicably possible from existing trees. Advice needs to be sought from Arborist and/or Landscape Architect on measures required to protect trees.

GROUNDWATER

Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works.

EXCAVATIONS

Deep excavations due to stormwater drainage works is required. Contractor to ensure safe working procedures are in place for works. All excavations to be fenced off and batters adequately supported to approval of Geotechnical Engineer.

GROUND CONDITIONS

Contractor to be aware of the site geotechnical conditions. Refer to geotechnical report by JKGeotecnics 33260Arpt Rev1 for details.

HAZARDOUS MATERIALS

Existing asbestos products & contaminated material may be present on site. Contractor to ensure all hazardous materials are identified prior to commencing works. Safe working practices as per relevant authority to be adopted and appropriate PPE to be used when handling all hazardous materials. Refer to geotechnical/environmental report by JKGeotecnics 33260Arpt Rev1 for details.

CONFINED SPACES

Contractor to be aware of potential hazards due to working in confined spaces such as stormwater pits, trenches and/or tanks. Contractor to provide safe working methods and use appropriate PPE when entering confined spaces.

MANUAL HANDLING

Contractor to be aware manual handling may be required during construction. Contractor to take appropriate measures to ensure manual handling procedures and assessments are in place prior to commencing works.

WATER POLLUTION

Contractor to ensure appropriate measures are taken to prevent pollutants from construction works contaminating the surrounding environment.

SITE ACCESS/EGRESS

Contractor to be aware site works occur in close proximity to footpaths and roadways. Contractor to erect appropriate barriers and signage to protect site personnel and public.

VEHICLE MOVEMENT

Contractor to supply and comply with traffic management plan and provide adequate site traffic control including a certified traffic marshall to supervise vehicle movements where necessary.

SITEWORKS LEGEND

● F22.20	Finished surface level
F22.00	Finished contour
	Stormwater pit, flow direction and line with
IL10.00 600 ø "Z" 1.25% Q=345 L/s IL9.65	Invert level upstream Pipe size and class Pipe grade Flow (Litres per second) Invert level downstream
GD	Grated drain
	Subsoil drainage line (100 dia) – refer detail sheets
IR	Intermediate riser with subsoil drainage line (100 dia)
FP	Flushing point with subsoil drainage line (100 dia)
RW#	Blockwork retaining wall

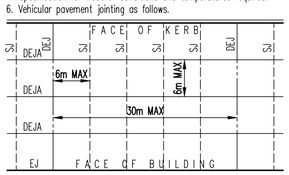
PAVEMENT LEGEND

L1	Refer to Landscape Plan for Landscape finishes

JOINTING NOTES

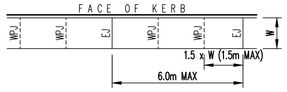
Vehicular Pavement Jointing

1. All vehicular pavements to be jointed as shown on drawings.
2. Keyed construction joints should generally be located at a maximum of 6m centres.
3. Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres.
4. Provide 10mm wide full depth expansion joints between buildings and all concrete or unit pavers.
5. The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced. Refer to the specification for weather conditions and temperatures required.
6. Vehicular pavement jointing as follows.



Pedestrian Footpath Jointing

1. Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres.
2. Weakened plane joints are to be located at a max 1.5 x width of the pavement.
3. Where possible joints should be located to match kerbing and / or adjacent pavement joints.
4. All pedestrian footpath jointings as follows (uno).



SITE LOCALITY PLAN
NOT TO SCALE

DRAWING SCHEDULE

Drawing No	Drawing Title
C01	NOTES AND LEGENDS SHEET
C03	DBYD PLAN
C10	EXISTING SURFACE LEVEL
C11	EXISTING SHALE SURFACE LEVELS
C12	PROPOSED SITE STRIP LEVELS
C14	PROPOSED CUT & FILL LEVELS
C21	SEDIMENT AND EROSION CONTROL PLAN
C31	PROPOSED SITEWORKS PLAN-LOWER GROUND
C32	PROPOSED SITWORKS PLAN-GROUND FLOOR
C41	SECTIONS SHEET
C51	DETAILS SHEET-1
C52	DETAILS SHEET-2
C53	OSD TANK DETAIL

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Rev	Description	Eng	Draft	Date
P1	ISSUE FOR DA	DM	SH	11.06.21

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: NOTES & LEGENDS SHEET

Scale : A1	Drawn	Authorised
NTS	SH	SB

Job No	Drawing No	Revision
191905	C01	P1

Plot File Created: Jun 10, 2021 - 1:51pm

FileName: C01.dwg - USER: saffah - Plot File Created: Jun 10, 2021 - 1:51pm

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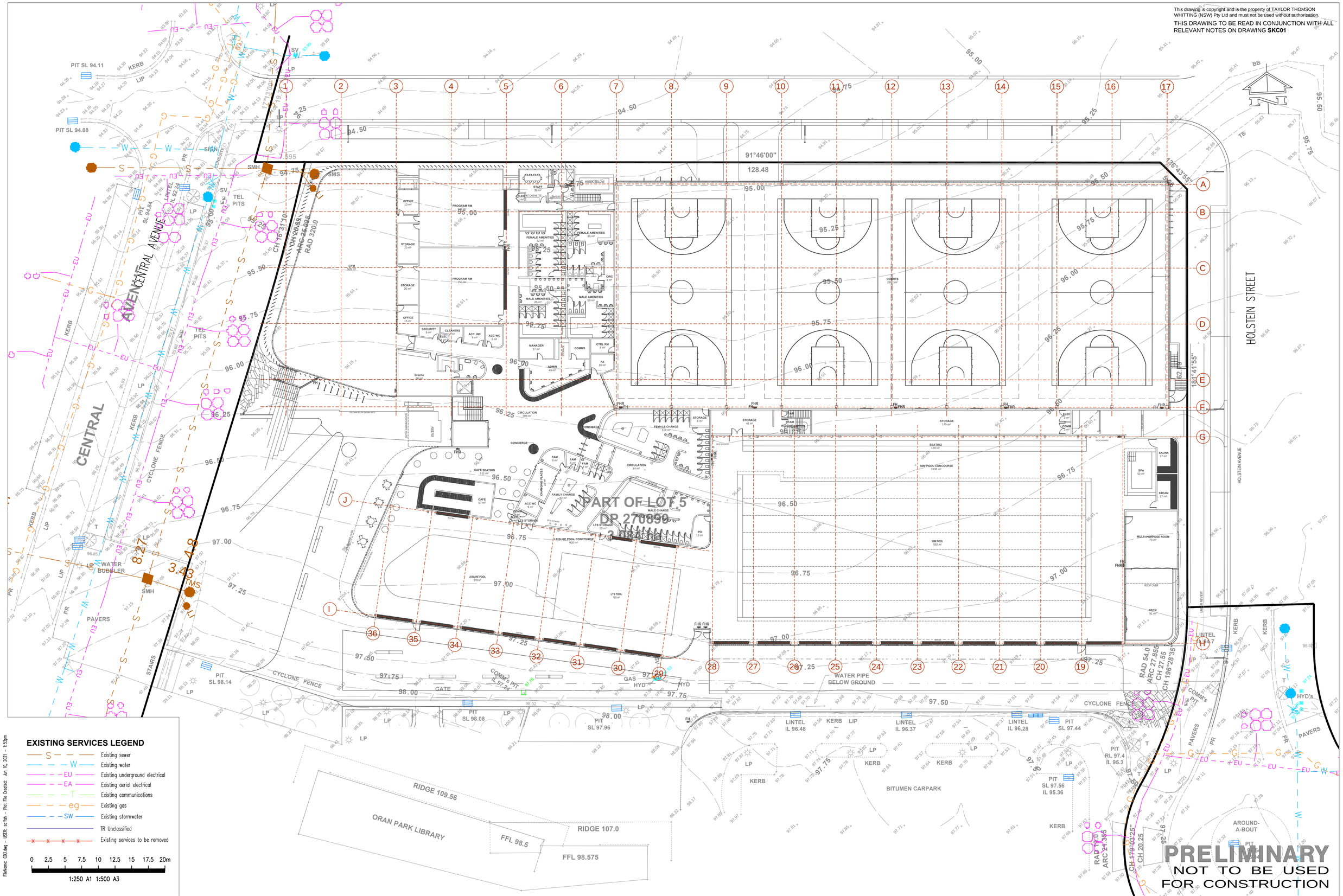

EXISTING SERVICES LEGEND

- S — Existing sewer
- W — Existing water
- EU — Existing underground electrical
- EA — Existing aerial electrical
- T — Existing communications
- eg — Existing gas
- SW — Existing stormwater
- TR Unclassified
- Existing services to be removed

0 2.5 5 7.5 10 12.5 15 17.5 20m

1:250 A1 1:500 A3

FileName: C03.dwg - USER: sathin - Plot File Created: Jun 10, 2021 - 1:53pm

Rev	Description	Eng	Draft	Date
P1	ISSUE FOR DA	DM	SH	11.06.21

Rev Description Eng Draft Date

Rev Description Eng Draft Date

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Project
ORAN PARK LEISURE CENTRE

Sheet Subject
DBYD PLAN

Scale : A1	Drawn	Authorised
1:250	SH	

Job No	Drawing No	Revision
191905	SCK05	A

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LEGEND

Site boundary

EX96.50 — Existing surface level contour (John Lowes & Associates survey 99091–24.06.20)

0 2.5 5 7.5 10 12.5 15 17.5 20m

1:250 A1 1:500 A3

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P2	ISSUE FOR DA	DM	SH	11.06.21
P1	PRELIMINARY	TM	SH	01.02.21

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Project
ORAN PARK LEISURE CENTRE

Sheet Subject
EXISTING SURFACE LEVEL

Scale : A1 1:250
Drawn SH
Authorised

Job No 191905
Drawing No C10
Revision P2

Plot File Created: Jun 10, 2021 - 1:54pm

FileName: C10.dwg - USER: ashah - Plot File Created: Jun 10, 2021 - 1:54pm

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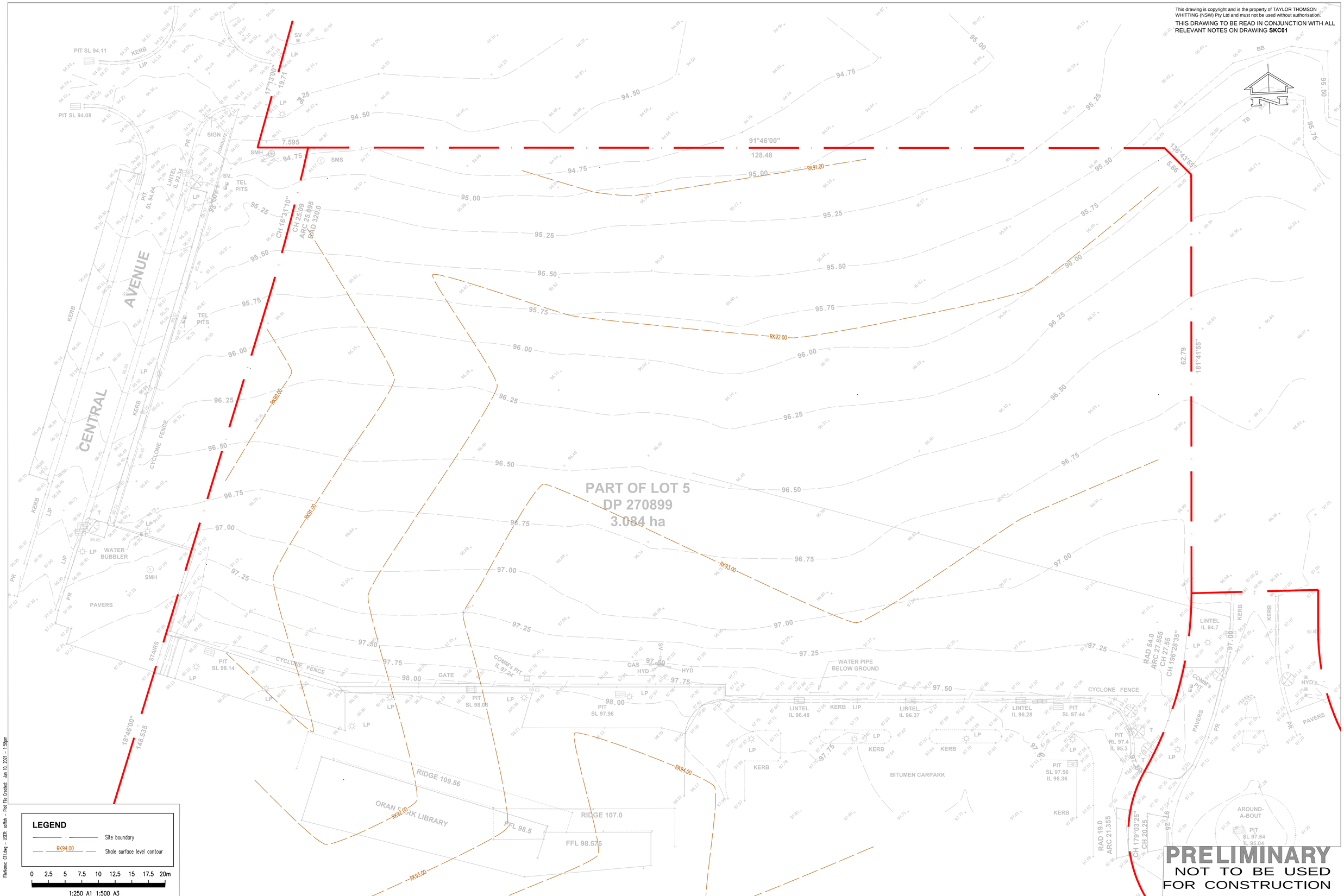

LEGEND

- Site boundary
- RK94.00 — Shale surface level contour

0 2.5 5 7.5 10 12.5 15 17.5 20m

1:250 A1 1:500 A3

PRELIMINARY
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FileName: C11.dwg – USER: sethsh – Plot File Created: Jun 10, 2021 – 1:58pm

Rev	Description	Eng	Draft	Date
P2	ISSUE FOR DA	TM	SH	11.06.21
P1	PRELIMINARY	TM	SH	01.02.21

Rev	Description	Eng	Draft	Date

Rev	Description	Eng	Draft	Date

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Project
ORAN PARK LEISURE CENTRE

Sheet Subject
VERY LOW STRENGTH OR BETTER SILTSTONE LEVELS

Scale : A1	Drawn	Authorised
1:250	SH	

Job No	Drawing No	Revision
191905	C11	P2

Plot File Created: Jun 10, 2021 - 1:58pm

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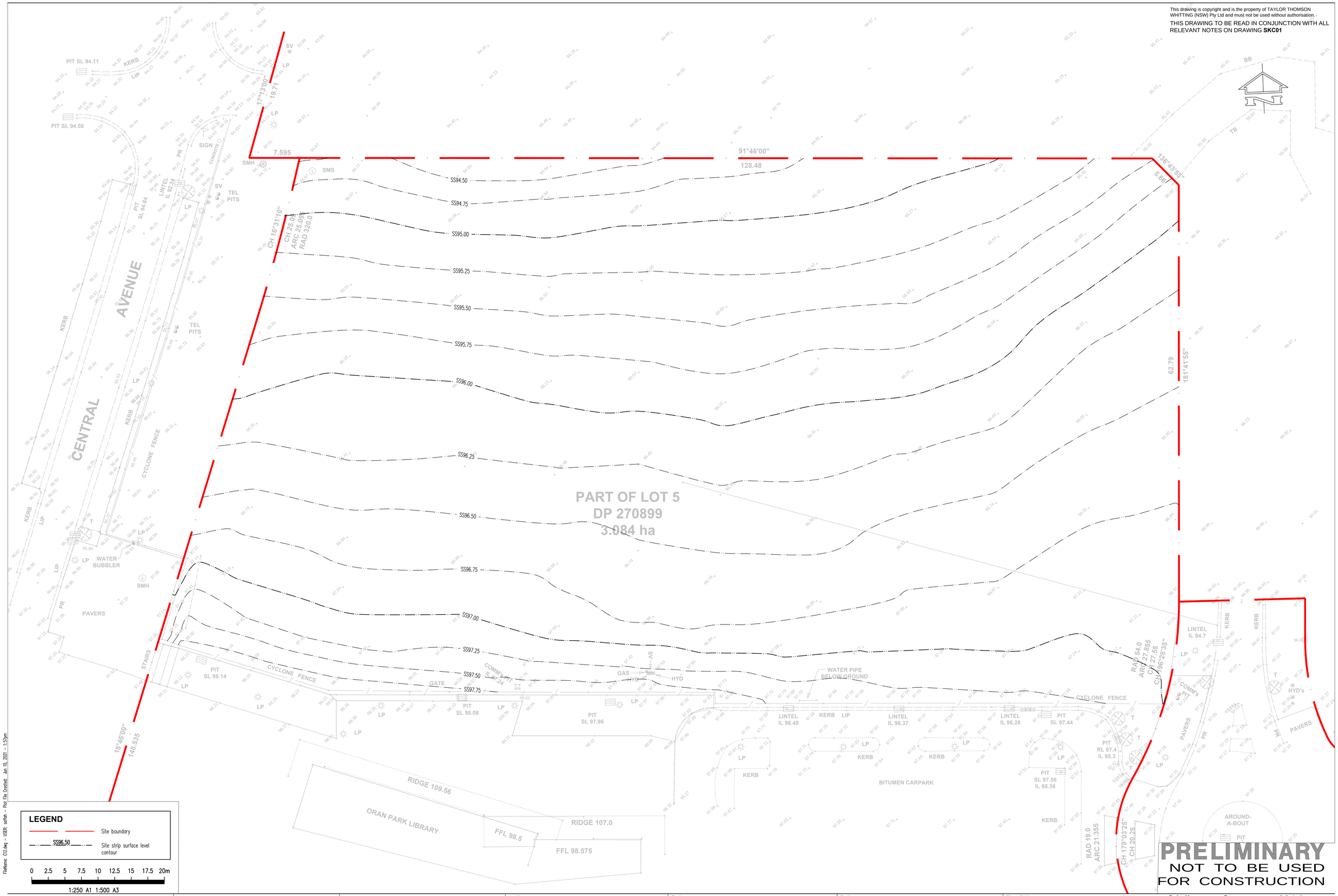

LEGEND

Site boundary

SS96.50 — Site strip surface level contour

0 2.5 5 7.5 10 12.5 15 17.5 20m

1:250 A1 1:500 A3

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
P2	ISSUE FOR DA	DM	SH	11.06.21
P1	PRELIMINARY	TM	SH	01.02.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: PROPOSED SITE STRIP LEVEL

Scale : A1: 1:250 | Drawn: SH | Authorised:

Job No: 191905 | Drawing No: C12 | Revision: P2

Plot File Created: Jun 10, 2021 - 1:57pm

FileName: C12.dwg - USER: swhh - Plot File Created: Jun 10, 2021 - 1:57pm

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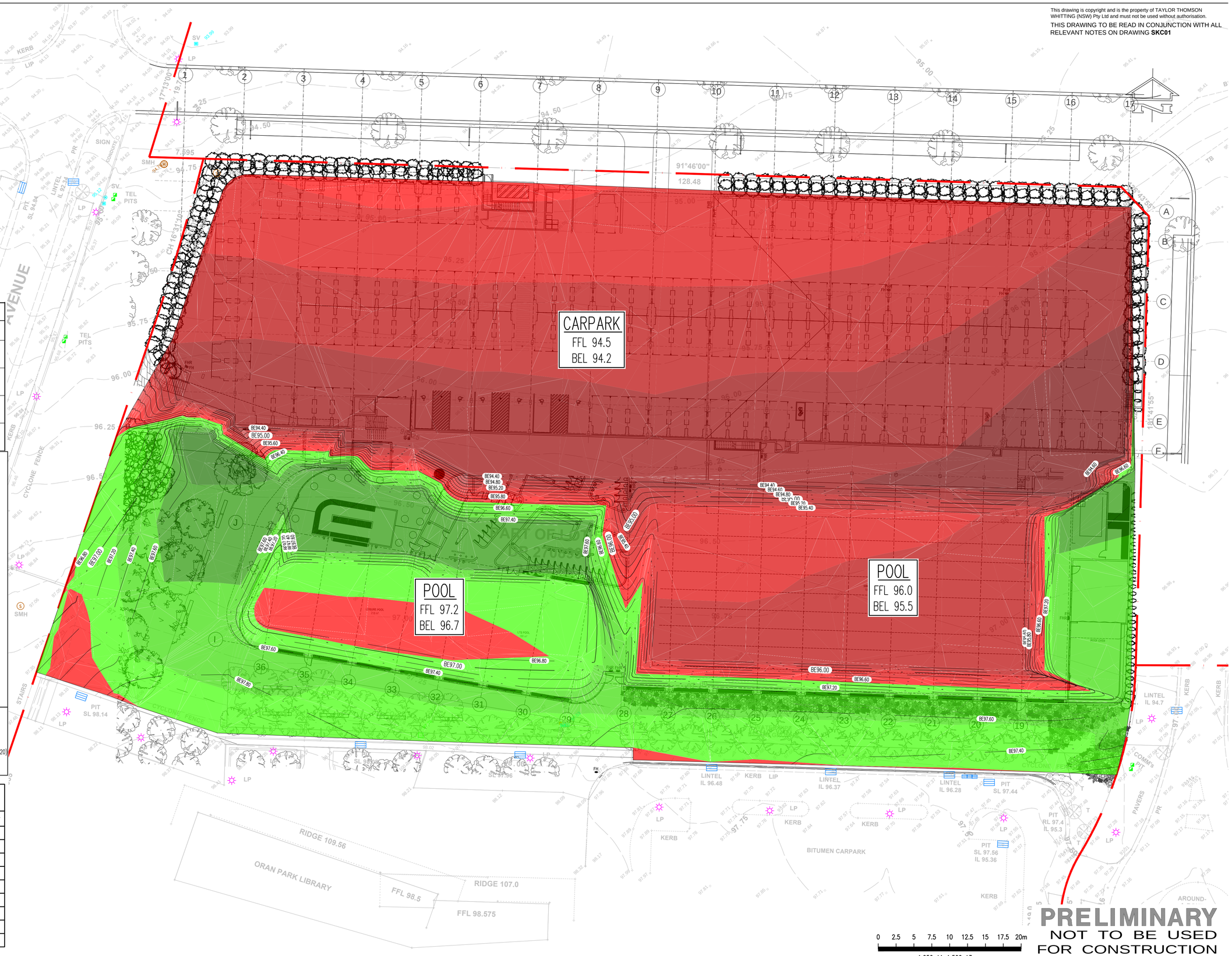

	CUT	FILL	NET
SITE AREA	11074m²		
200mm SITE STRIP	2215m³	0m³	2215m³ EXCESS CUT
BULK EARTHWORKS (FILL CLAY/EXTREMELY WEATHERED SILTSTONE)	9000m³	2450m³	6550m³ EXCESS CUT
BULK EARTHWORKS (VERY LOW STRENGTH OR BETTER SILTSTONE)	0m³	0m³	0m³
BULK EARTHWORKS TOTAL (EXCLUDING SITE STRIP)	9000m³	2450m³	6550m³ EXCESS CUT

BULK EARTHWORKS NOTES

1. All bulk earthworks setout from grid lines U.N.O.
2. All batters at a slope of 2 (H) : 1 (V) U.N.O.
3. Excavated material may be used as structural fill provided,
   (i) it complies with the specification requirements for fill material,
   (ii) the placement moisture content complies with the Geotechnical Consultants requirements, and allows filling to be placed and proofrolled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.
4. Compact fill areas and subgrade to not less than:

Location	Standard dry density (AS 1289 5.1.1.)	Moisture (OMC)
Under building slabs on ground:	98%	±2%
Under roads and carparks:	98%	±2%
Landscaped areas:	95%	±2%

5. Before placing fill, proof roll exposed subgrade with a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller). Soft spots to be replaced with **GRANULAR** fill U.N.O.
6. Contractor shall place safety barriers around excavations in accordance with relevant safety regulations.
7. For interpretation of bulk earthworks foot print line shown on the bulk earthworks drawings refer to the bulk earthworks construction legend.
8. Bulk earthwork drawings are not to be used for detailed excavation.
9. Refer to Geotechnical Report prepared by – JKGeotechnics 33260ArptrRev1 20 October 2020

LEGEND

Site boundary

EX96.50 — Existing surface level contour (John Lowes & Associates survey 99091–24.06.20)

BE96.50 — Bulk earthworks levels

Elevations Table

Number	Minimum Elevation	Maximum Elevation	Color
1	−2.500	−2.000	
2	−2.000	−1.500	
3	−1.500	−1.000	
4	−1.000	−0.500	
5	−0.500	0.000	
6	0.000	0.500	
7	0.500	1.000	
8	1.000	1.500	
9	1.500	2.000	

FileName: C14.dwg – USER: sathih – Plot File Created: Jun 10, 2021 - 1:59pm

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P2	ISSUE FOR DA	DM	SH	11.06.21
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Project
ORAN PARK LEISURE CENTRE

Sheet Subject
PROPOSED CUT & FILL PLAN

Scale : A1 1:250
Drawn SH
Authorised
Job No 191905
Drawing No C14
Revision P2
Plot File Created: Jun 10, 2021 - 1:59pm

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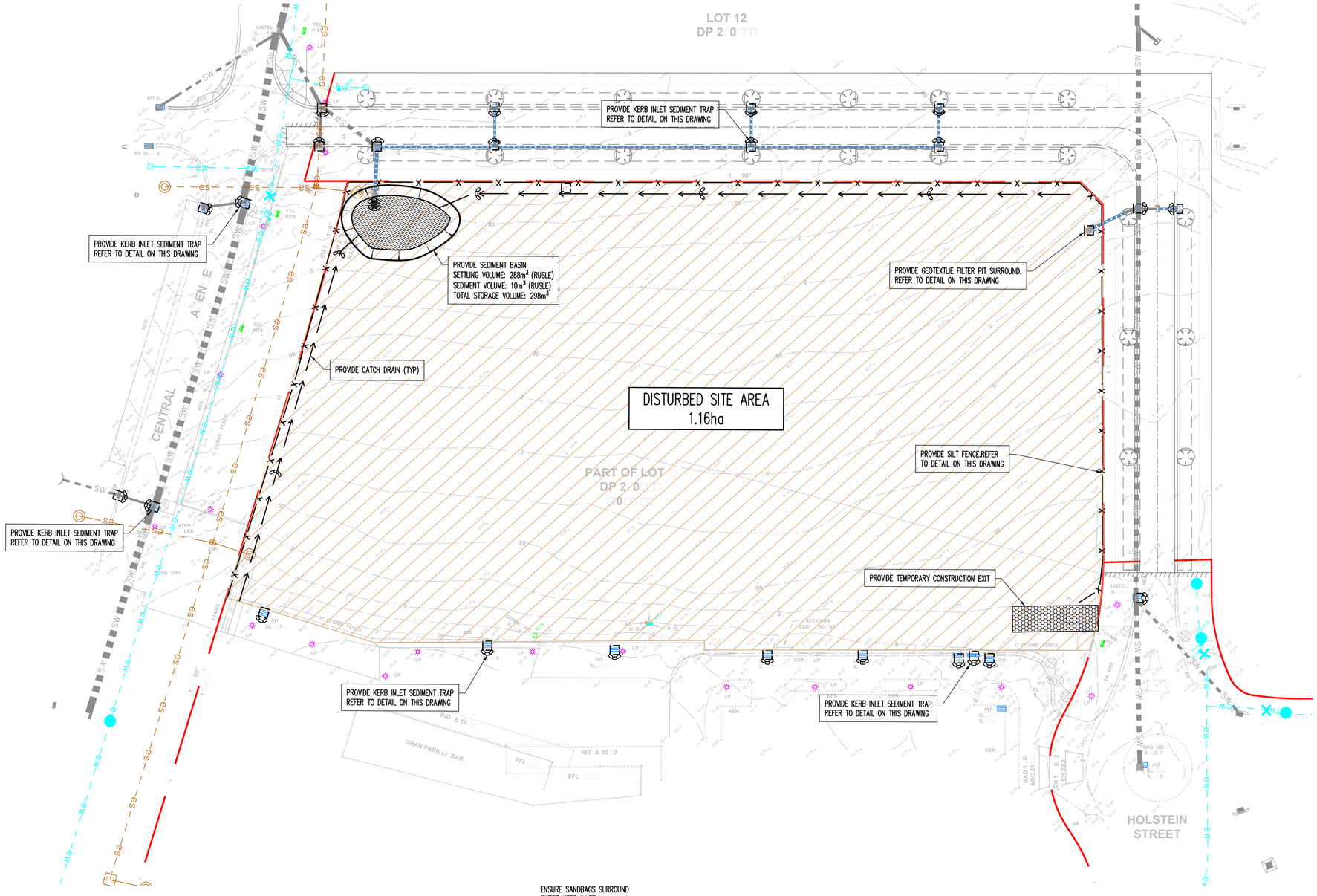


EROSION AND SEDIMENT CONTROL NOTES

1. All work shall be generally carried out in accordance with
   (A) Local authority requirements,
   (B) EPA – Pollution control manual for urban stormwater,
   (C) LANDCOM NSW – Managing Urban Stormwater: Soils and Construction ("Blue Book").
2. Erosion and sediment control **drawings and notes are** provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified. Variation to these details may require approval by the relevant authorities.
   The erosion and sediment control **plan** shall be implemented and adapted to meet the varying situations as work on site progresses.
3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
4. When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
5. Minimise the area of site being disturbed at any one time.
6. Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
8. Control water from upstream of the site such that it does not enter the disturbed site.
9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
10. All vehicles leaving the site shall be cleaned and inspected before leaving.
11. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
12. Clean out all erosion and sediment control devices after each storm event.

S□□□□□□□ O□□ □r□□

1. Prior to commencement of excavation the following soil management devices must be installed.
1.1. Construct silt fences below the site and across all potential runoff sites.
1.2. Construct temporary construction entry/exit and divert runoff to suitable control systems.
1.3. Construct measures to divert upstream flows into existing stormwater system.
1.4. Construct sedimentation traps/basin including outlet control and overflow.
1.5. Construct turf lined swales.
1.6. Provide sandbag sediment traps upstream of existing pits.
2. Construct geotextile filter pit surround around all proposed pits as they are constructed.
3. On completion of pavement provide sand bag kerb inlet sediment traps around pits.
4. Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

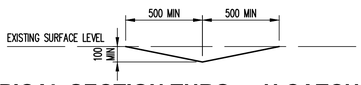
□ATER □□ALIT□ TESTIN□ RE□□IREMENTS

Prior to discharge of site stormwater, groundwater and seepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:

- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
- If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system.This should include comments from a suitably qualified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.

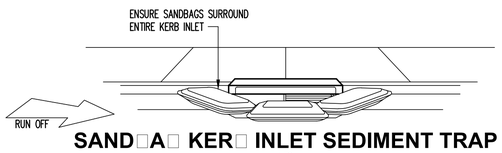
EROSION AND SEDIMENT CONTROL LE□END

- Batter
- Siltation fence
- Stormwater pit with Geotextile filter surround
- Hay bale barriers
- Sandbag sediment trap
- Catch drain
- Overland flow path



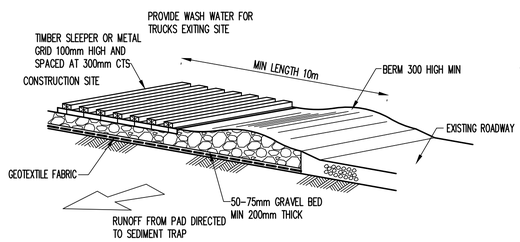
T□PICAL SECTION THRO□□H CATCH DRAIN

SCALE 1: 20



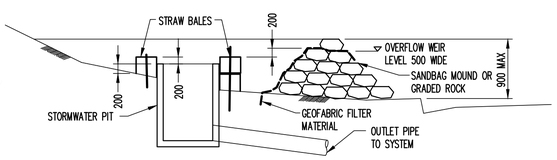
SAND□A□ KER□ INLET SEDIMENT TRAP

NTS



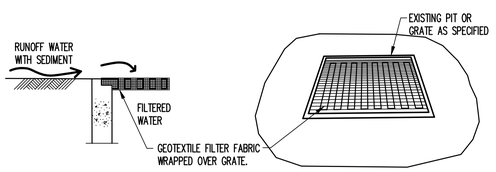
TEMPORAR□ CONSTR□CTION □EHICLE E□IT

NTS



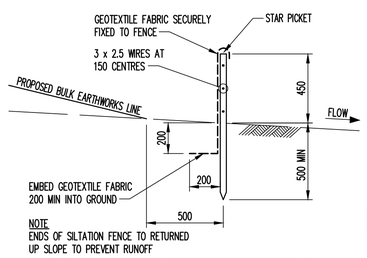
SEDIMENTATION TRAP

NTS



□EOTE□TILE PIT FILTER

NTS



SILTATION FENCE DETAIL

SCALE 1: 20

0 4 8 12 16 20 24 28 32m

1:400 A1 1:800 A3

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Project
ORAN PARK LEISURE CENTRE

Sheet Subject
SEDIMENT & EROSION CONTROL PLAN

Scale : A1 — 1:400, AS NOTED
Drawn — SH
Authorised
Job No — 191905
Drawing No — C21
Revision — P1
Plot File Created: Jun 11, 2021 - 4:50pm

FileName: C21.dwg - USER: dancomm - Plot File Created: Jun 11, 2021 - 4:50pm

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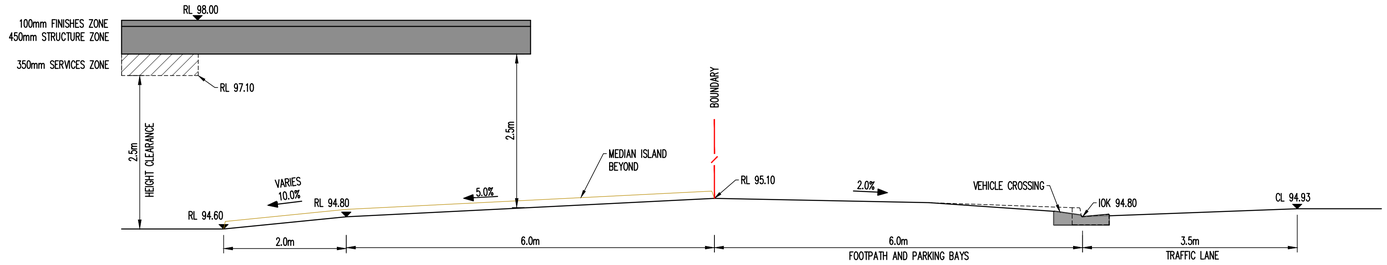
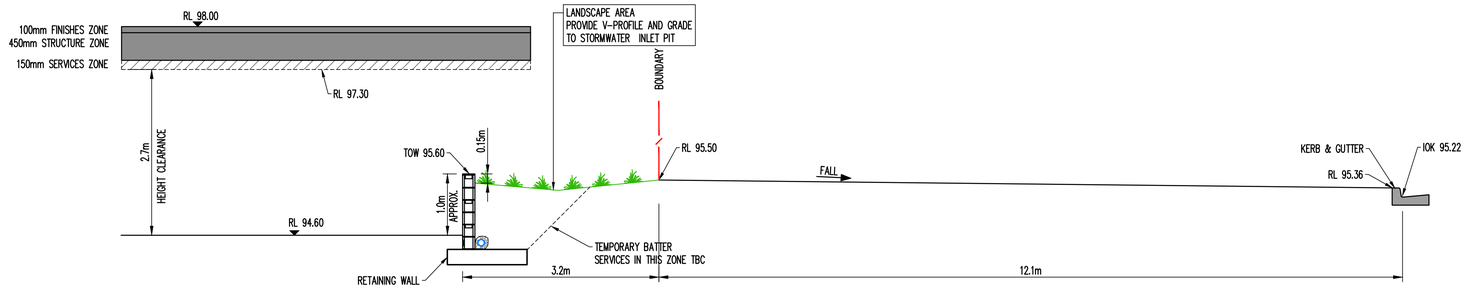


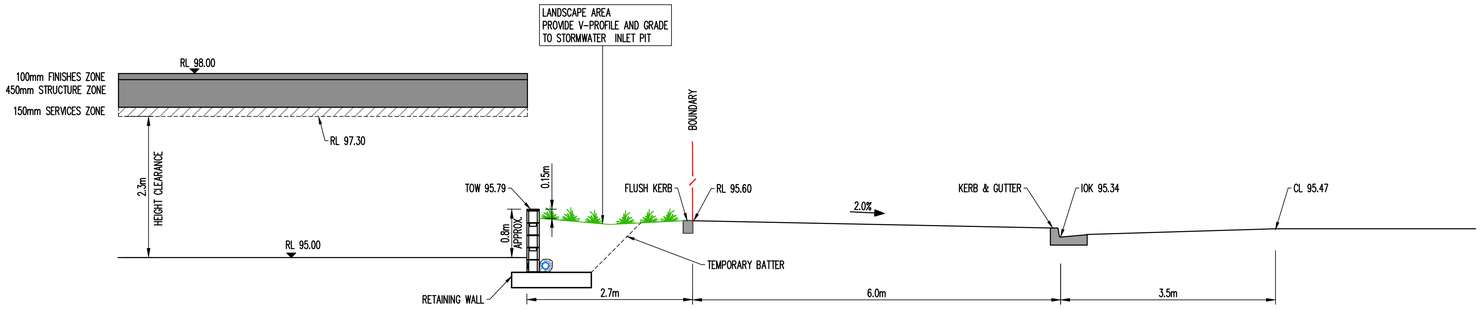
SECTION A SKC32

NORTH DRI E A LOCATION

SCALE 1: 50



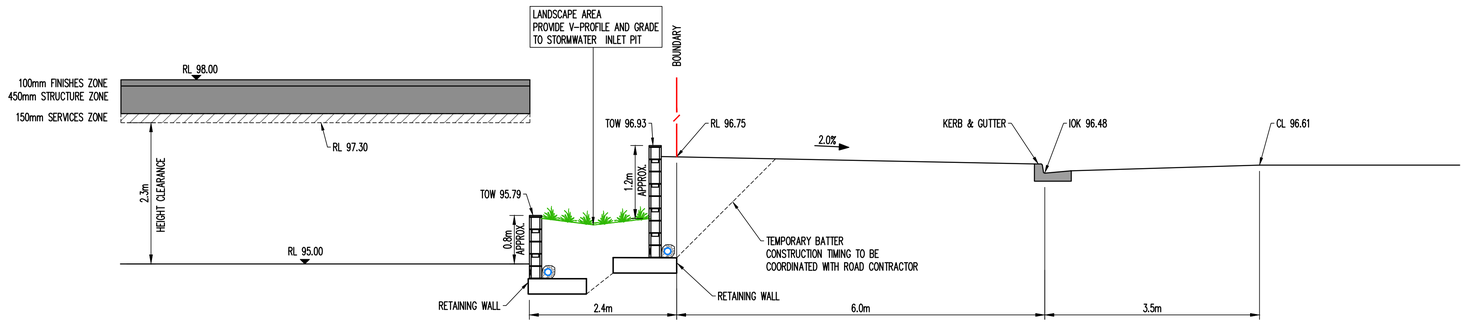
SECTION B SKC32



SECTION C SKC32

TC0 RETAININ ALL SECTION

SCALE 1: 50



SECTION D SKC32

TC0 RETAININ ALL SECTION

SCALE 1: 50

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Rev	Description	Eng	Draft	Date
P1	ISSUE FOR DA	DM	SH	11.06.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: SECTIONS SHEET

Scale : A1	Drawn	Authorised
AS SHOWN	SH	SB

Job No	Drawing No	Revision
191905	C41	P1

Plot File Created: Jun 10, 2021 - 2:05pm

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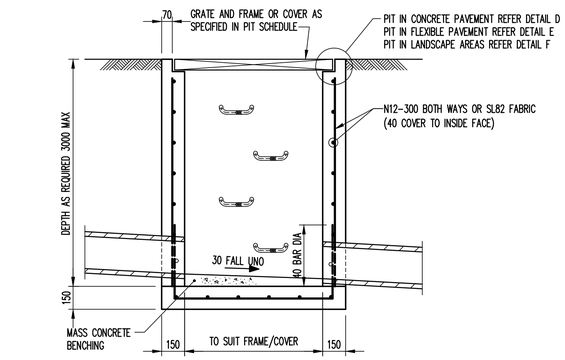
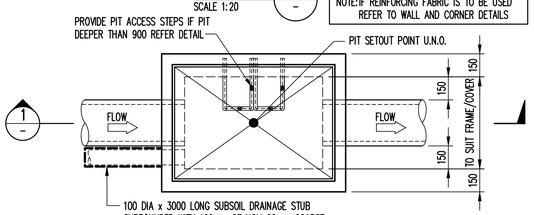


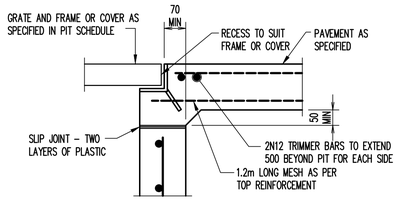
SECTION 1 / -
SCALE 1:20

NOTE: IF REINFORCING FABRIC IS TO BE USED REFER TO WALL AND CORNER DETAILS

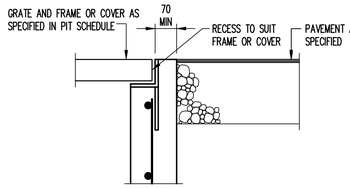


PLAN
SCALE 1: 20

PIT T PE A



DETAIL D
SCALE 1: 10



DETAIL E
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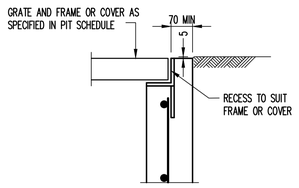
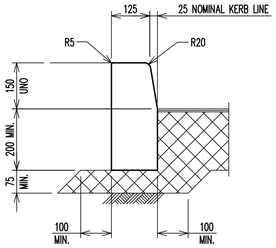
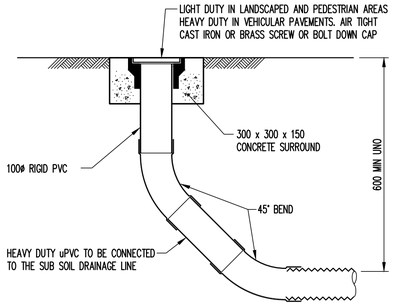


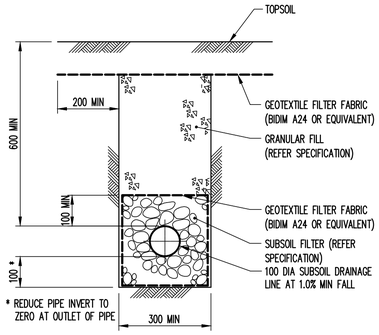
DETAIL F
SCALE 1: 10



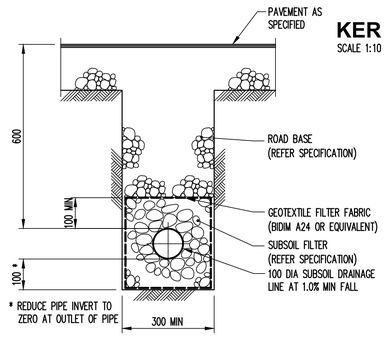
KER ONL KO
SCALE 1:10



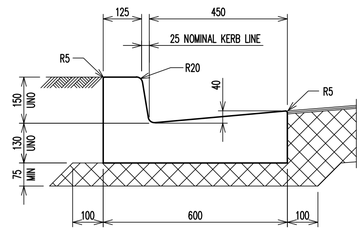
FL SHIN POINT FP
SCALE 1: 10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



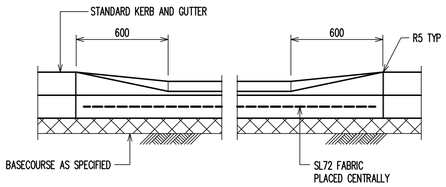
S SOIL IN LANDSCAPED AREAS
SCALE 1: 10



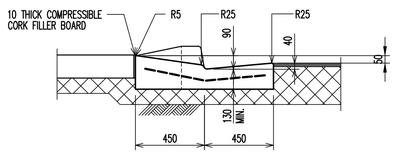
S SOIL IN PA ED AREAS
SCALE 1: 10



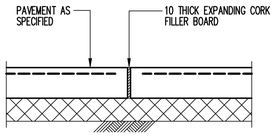
KER AND TTER K
SCALE 1:10



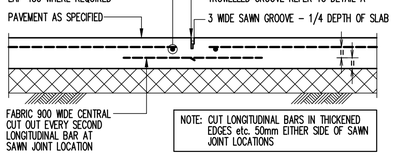
SECTION 1 / -
SCALE 1:20



SECTION 2 / -
SCALE 1:20



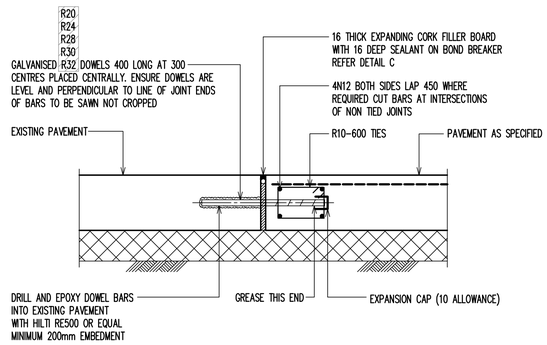
E PANSION OINT E
SCALE 1: 20



NOTE: CUT LONGITUDINAL BARS IN THICKENED EDGES etc. 50mm EITHER SIDE OF SAWN JOINT LOCATIONS

SA N CONTROL OINT S
SCALE 1: 20

NOTE: REFER TO JOINTING NOTES, POINT 5 FOR TIMING OF SAW CUTS.



DO ELLED E PANSION OINT INTO E ISTIN PA EMENT EDE
SCALE 1:10

FileName: C51.dwg - USER: sstfish - Plot File Created: Jun 10, 2021 - 2:02pm

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
P1	ISSUE FOR DA	DM	SH	11.06.21

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: DETAILS SHEET

Scale : A1: AS SHOWN
Drawn: SH
Authorised: SB
Job No: 191905
Drawing No: C51
Revision: P1
Plot File Created: Jun 10, 2021 - 2:02pm

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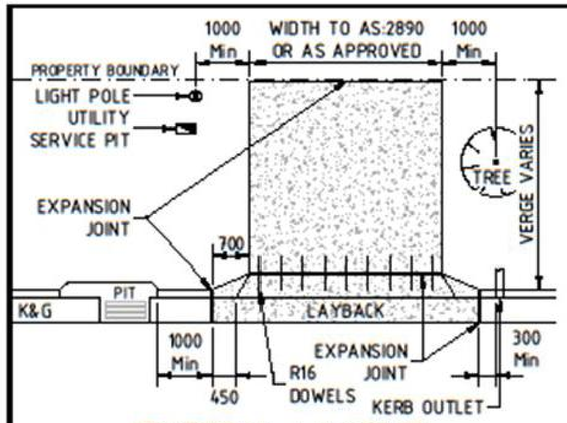
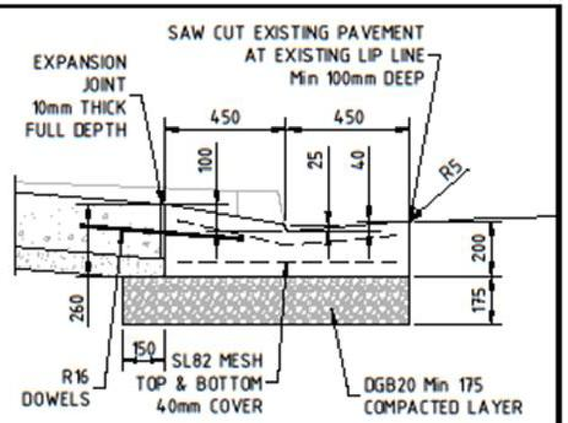
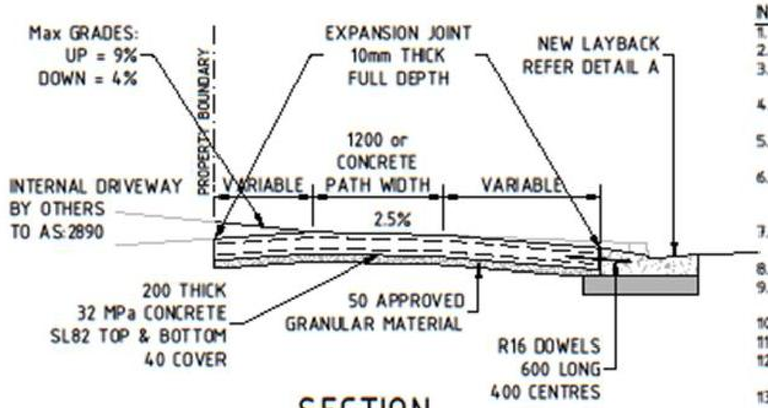


TYPICAL LAYOUT



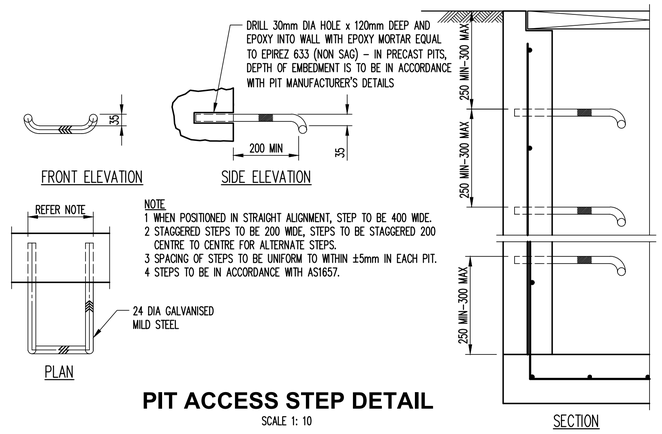
DETAIL A



SECTION

NOTES:

1. ALL WORK SHALL BE IN CARRIED OUT IN ACCORDANCE WITH CAMDEN COUNCIL'S ENGINEERING SPECIFICATIONS.
2. THIS APPROVAL IS SUBJECT TO COMPLIANCE WITH THE MINIMUM CLEARANCES AND WIDTHS SHOWN.
3. PRIOR TO ISSUING A COMPLYING DEVELOPMENT CERTIFICATE FOR A DEVELOPMENT, PROVISION MUST BE MADE FOR THE MINIMUM CLEARANCES AND WIDTHS SHOWN.
4. COUNCIL INSPECTION IS REQUIRED WHEN ALL FORMWORK, BASE COURSE, REINFORCEMENT MESH AND EXPANSION JOINTS ARE IN PLACE.
5. HEAVY DUTY INDUSTRIAL/COMMERCIAL VEHICULAR FOOTWAY CROSSINGS SHALL BE 200mm THICK CONCRETE, REINFORCED WITH TWO LAYERS SL82 MESH ON CHAIRS, 40MM COVER
6. THE CONCRETE SHALL BE PLACED ON A 75mm LAYER OF APPROVED FINE, GRANULAR MATERIAL, EXCEPT UNDER THE KERB AND GUTTER LINE WHERE THIS SECTION SHALL BE PLACED ON A MINIMUM OF 175mm COMPACTED LAYER OF DGB 20.
7. EXISTING CONCRETE FOOTPATH/SHAREWAYS SHALL BE RECONSTRUCTED TO A JOINT THAT IS GREATER THAN 1.2 m FROM THE EDGE OF THE CROSSING.
8. CONCRETE SHALL HAVE A 28 DAY STRENGTH (F'c) OF 32 MPa AND A SLUMP OF 80mm.
9. ANY VARIATIONS TO STANDARD CROSSFALL 2.5% ON FOOTWAY SHALL HAVE THE PRIOR APPROVAL OF COUNCIL.
10. FINISHED CONCRETE SHALL HAVE A LIGHT BRUSHED FINISH
11. ALL DIMENSIONS ARE SHOWN IN MILLIMETRE
12. BITUMINOUS FIBRE BOARD 10mm THICK, 200mm DEEP SHALL BE PLACED ON BOUNDARY LINE AND REAR OF LAYBACK.
13. CONTACT COUNCILS ENGINEER PRIOR TO UNDERTAKING ANY WORKS IF THE MINIMUM CLEARANCES, WIDTHS OR GRADES CANNOT BE ACHIEVED.



NOTE
1 WHEN POSITIONED IN STRAIGHT ALIGNMENT, STEP TO BE 400 WIDE.
2 STAGGERED STEPS TO BE 200 WIDE, STEPS TO BE STAGGERED 200 CENTRE TO CENTRE FOR ALTERNATE STEPS.
3 SPACING OF STEPS TO BE UNIFORM TO WITHIN ±5mm IN EACH PIT.
4 STEPS TO BE IN ACCORDANCE WITH AS1657.

PIT ACCESS STEP DETAIL

SCALE 1: 10

REVISION	DATE	DESCRIPTION	DRAWN	APP.
B	APR 2016	SECOND ISSUE	G.C	S.M.
A	JULY 2013	FIRST ISSUE DRAFT	J.W.B.	A.V.

camden council

TITLE	SCALE
HEAVY DUTY INDUSTRIAL COMMERCIAL VEHICLE CROSSING	NTS

APPROVED	DATE	DRAWING No.	REV
P. NUNN	JULY 2013	DW27	B

PRELIMINARY
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Rev	Description	Eng	Draft	Date
P2	PRELIMINARY	DM	NS	06.08.21
P1	ISSUE FOR DA	DM	SH	11.06.21

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: DETAILS SHEET 2

Scale : A1	Drawn	Authorised
AS SHOWN	SH	SB

Job No	Drawing No	Revision
191905	C52	P2

Plot File Created: Aug 06, 2021 - 4:41pm

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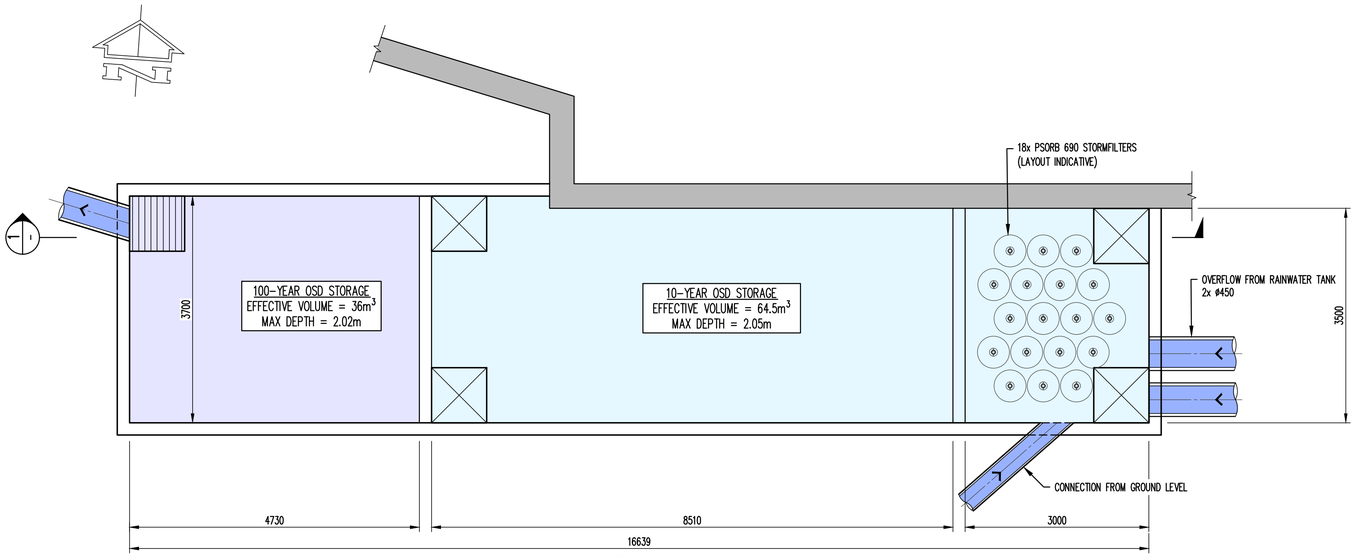
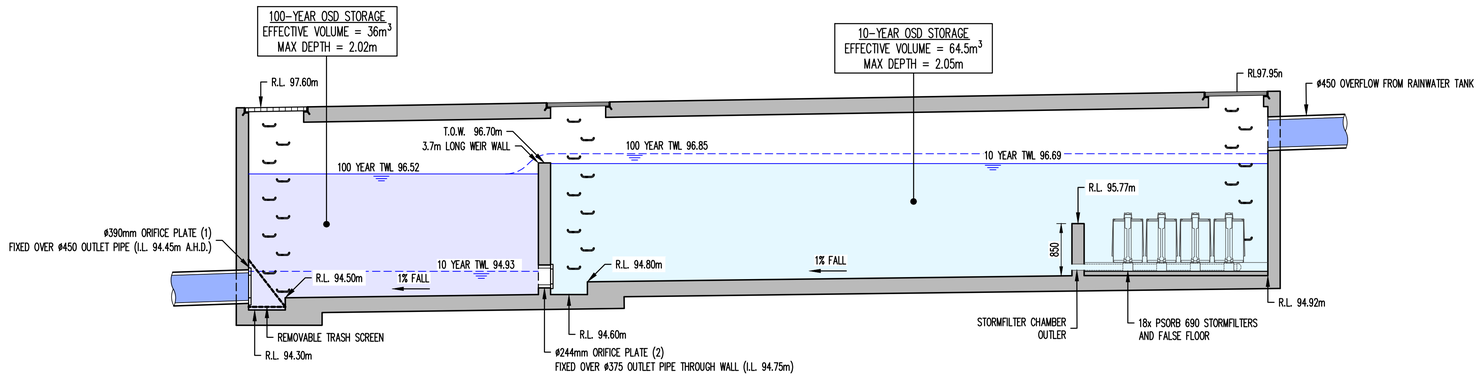
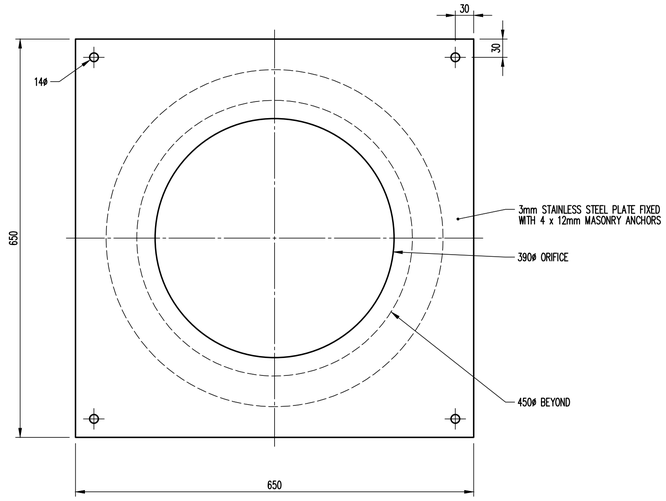


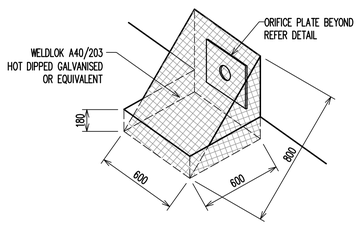
PLAN
SCALE 1: 50



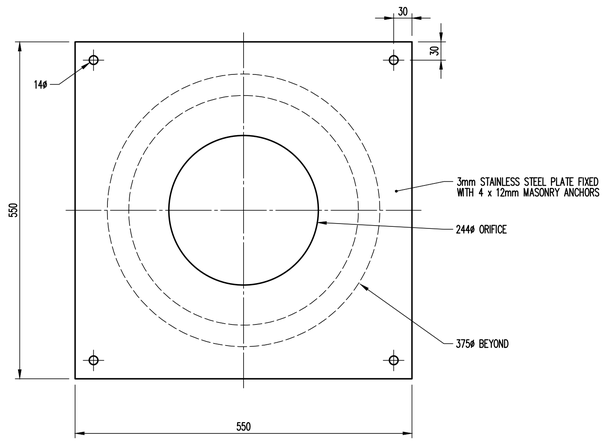
SECTION 1
SCALE 1:50



ORIFICE PLATE 1 DETAIL
SCALE 1: 5



TRASH SCREEN DETAIL
NTS



ORIFICE PLATE 2 DETAIL
SCALE 1: 5

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
P2	PRELIMINARY	DM	NS	06.08.21
P1	ISSUE FOR DA	DM	NS	11.06.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project: ORAN PARK LEISURE CENTRE
Sheet Subject: OSD TANK DETAIL

Scale : A1: AS SHOWN
Drawn: SH
Authorised:
Job No: 191905
Drawing No: C53
Revision: P2
Plot File Created: Aug 06, 2021 - 4:41pm

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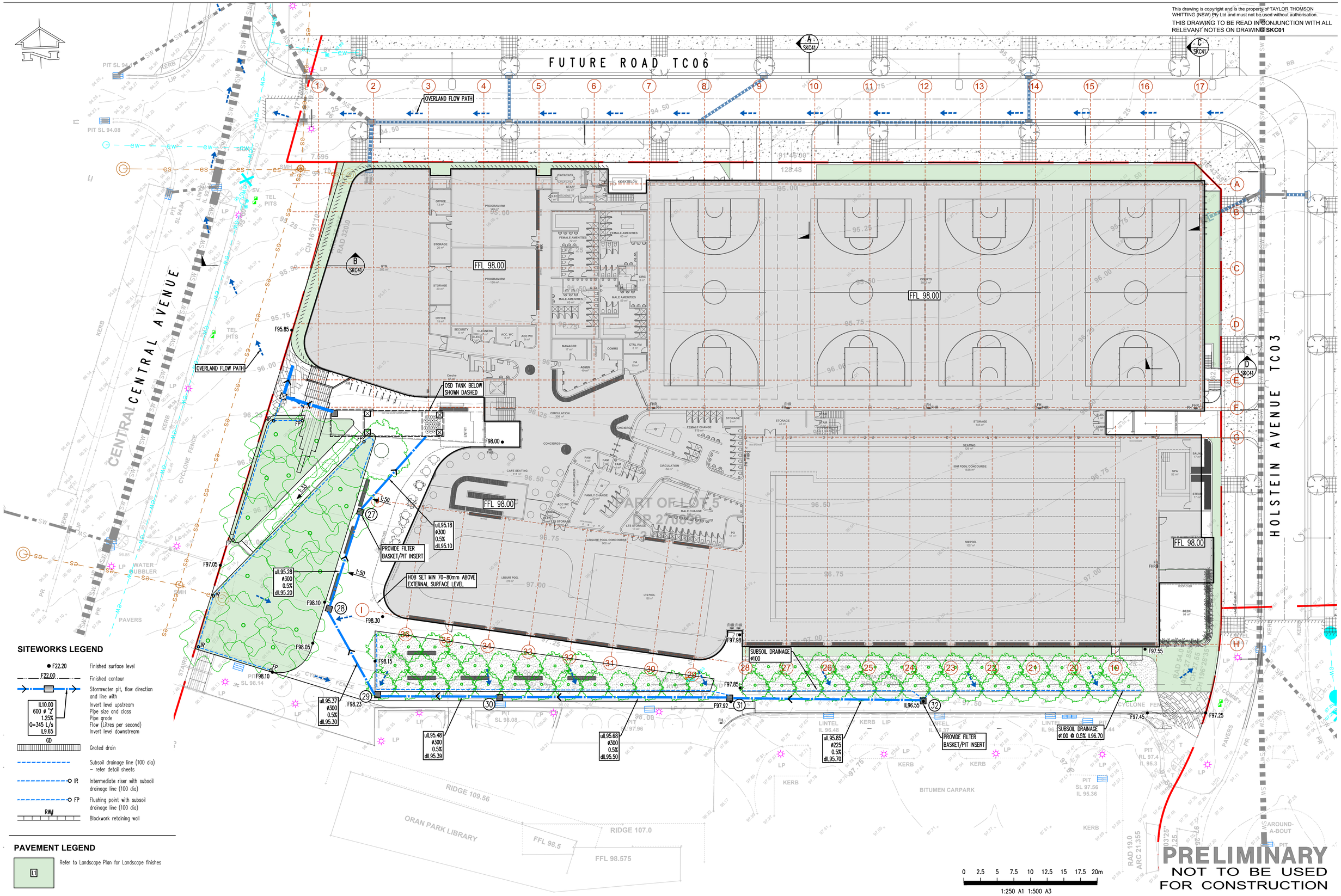

SITEWORKS LEGEND

- ● F22.20 — Finished surface level
- F22.00 — Finished contour
- Stormwater pit, flow direction and line with
- IL10.00 / 600 ø '2' / 1.25% / Q=345 L/s / IL9.65 — Invert level upstream / Pipe size and class / Pipe grade / Flow (Litres per second) / Invert level downstream
- GD — Grated drain
- Subsoil drainage line (100 dia) – refer detail sheets
- IR — Intermediate riser with subsoil drainage line (100 dia)
- FP — Flushing point with subsoil drainage line (100 dia)
- RW# — Blockwork retaining wall

PAVEMENT LEGEND

- L1 — Refer to Landscape Plan for Landscape finishes

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
P4	PRELIMINARY	DM	NS	06.08.21
P3	ISSUE FOR DA	DM	SH	11.06.21
P2	PRELIMINARY	TM	WW	06.04.21
P1	PRELIMINARY	DM	SH	01.04.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: SITEWORKS PLAN- GROUND FLOOR

Scale : A1: 1:250 | Drawn: SH | Authorised: TM

Job No: 191905 | Drawing No: C32 | Revision: P4

Plot File Created: Aug 06, 2021 - 4:41pm

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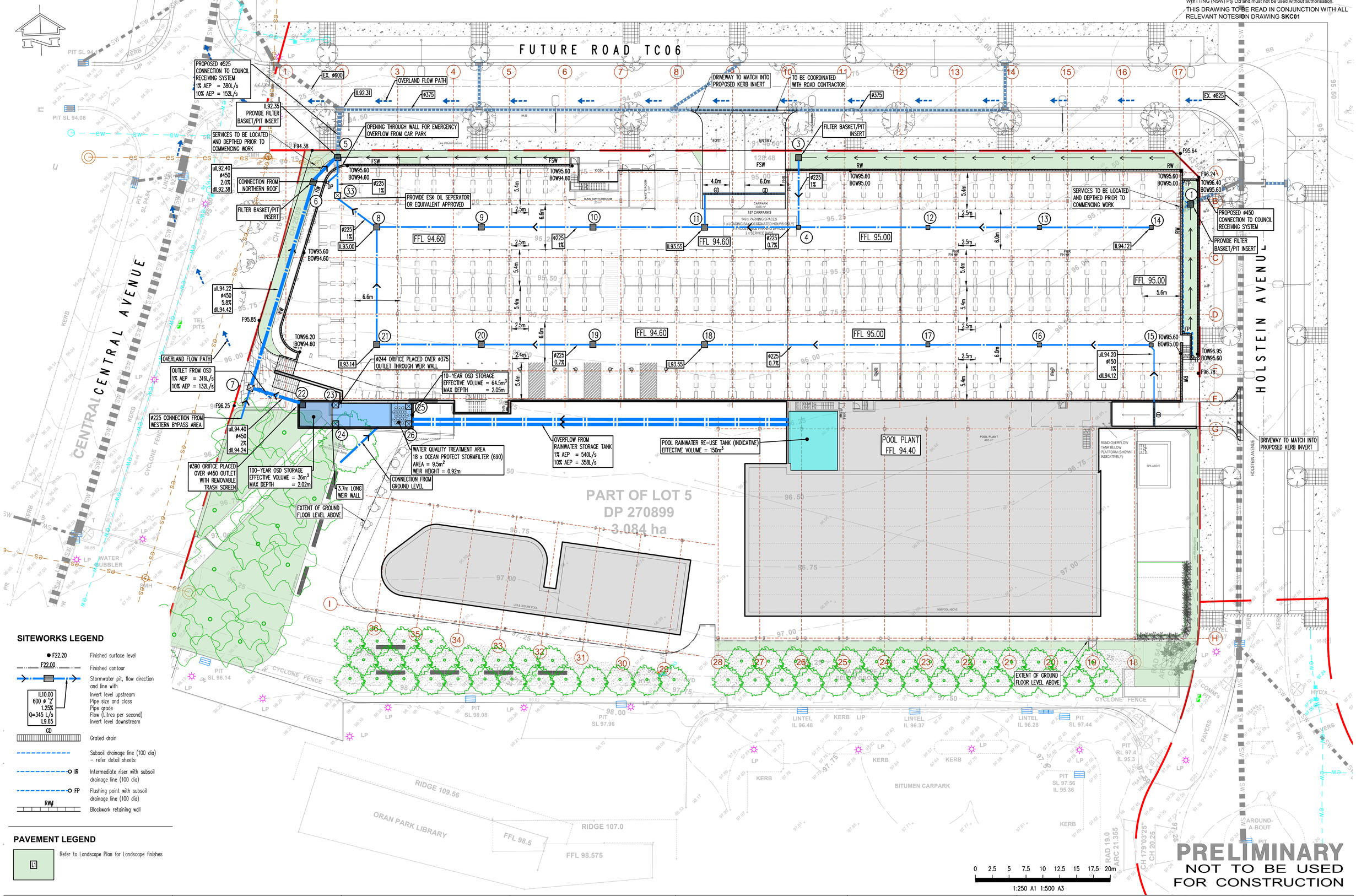

SITEWORKS LEGEND

● F22.20	Finished surface level
F22.00	Finished contour
	Stormwater pit, flow direction and line with
IL10.00 600 ø 'Z' 1.25% Q=345 L/s IL9.65	Invert level upstream Pipe size and class Pipe grade Flow (Litres per second) Invert level downstream
GD	Grated drain
	Subsoil drainage line (100 dia) – refer detail sheets
IR	Intermediate riser with subsoil drainage line (100 dia)
FP	Flushing point with subsoil drainage line (100 dia)
RW#	Blockwork retaining wall

PAVEMENT LEGEND

L1	Refer to Landscape Plan for Landscape finishes

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date
P4	PRELIMINARY	DM	NS	06.08.21
P3	ISSUE FOR DA	DM	SH	11.06.21
P2	PRELIMINARY	TM	WW	06.04.21
P1	PRELIMINARY	DM	SH	01.04.21

Rev Description Eng Draft Date | Rev Description Eng Draft Date

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Project: ORAN PARK LEISURE CENTRE

Sheet Subject: SITEWORKS PLAN - LOWER GROUND

Scale : A1	Drawn	Authorised
1:250	SH	TM

Job No	Drawing No	Revision
191905	C31	P4

Plot File Created: Aug 06, 2021 - 4:41pm

Figure 1: Site context

Drawing Register

Drawing No.	Drawing Title	Scale	Issue No.
L01	Title Sheet	NA	A
L02	Design Analysis & Key Principles 01	NTS	A
L03	Design Analysis & Key Principles 02	NTS	A
L04	Design Analysis & Key Principles 03	NTS	A
L05	Landscape Plan - Ground Floor	1:250	A
L06	Landscape Plan - Lower Ground	1:250	A
L07	Sectional Elevations	1:100	A
L08	Sectional Elevations	1:100	A
L09	Materials & Finishes Palette	NA	A
L10	Indicative Plant Schedule	NA	A

Design Statement

The Oran Park Leisure Centre's entry sequence extends the existing public domain materiality and character and provides universal access both from the Library Carpark and from a proposed bus drop off point on Central Avenue.

A generous grove of eucalypts set in a gently sloping lawn provide shade and a place for groups to gather.

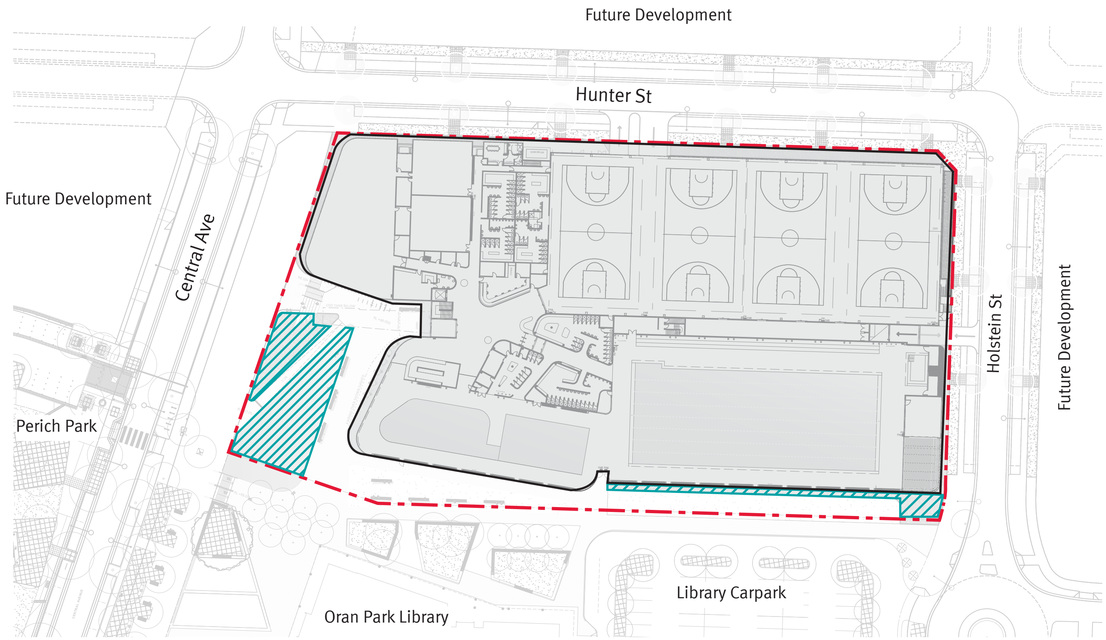
A set of concrete bleachers adjoining a large mass planted area provides a place to sit close to the entrance of the Leisure Centre.

Many seating opportunities have been provided with an emphsis on environmental comfort. A through site link runs east to west linking nearby proposed residential areas, the library carpark and Holstein Street.

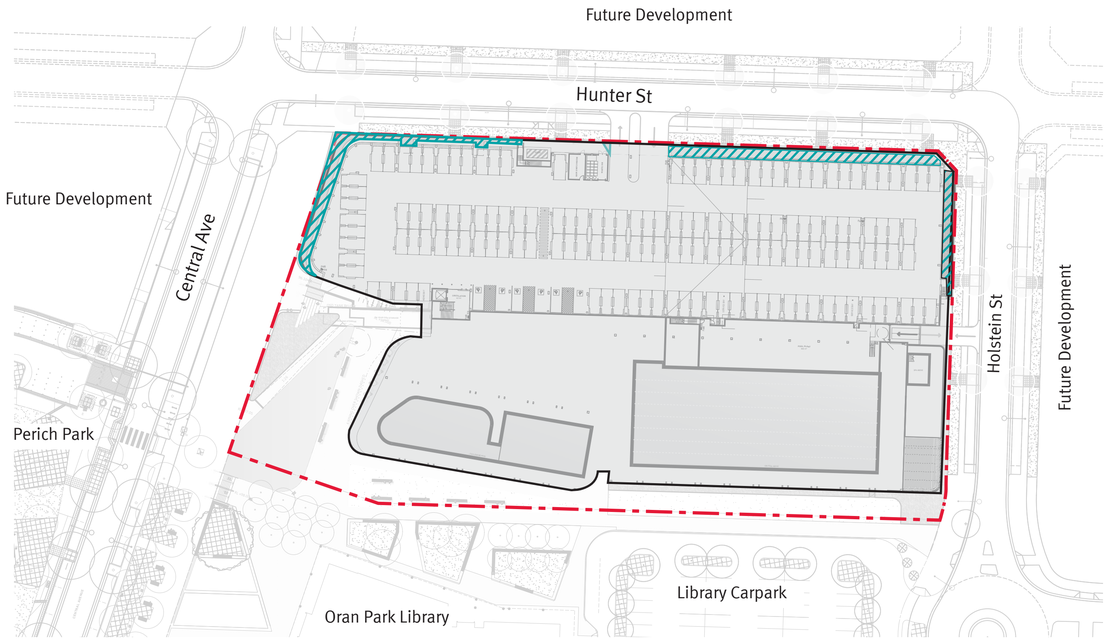
A grid of deciduous trees runs along the southern edge of the building with shaded areas for passive use, this space also connects to the existing landscape and 'outdoor classrooms' of the library.

A mass planted landscape berm wraps around the north west corner of the building banking up to conceal the wall of the carpark below

Lot Layout and Deep Soil Zone - Ground Floor



Lot Layout and Deep Soil Zone - Lower Ground



Leisure Centre building
Extent of works
Deep soil zone

Leisure Centre building
Extent of works
Deep soil zone

Client
camden council

Consultant
WARREN AND MAHONEY

Revisions

Issue	Date	Description	Drawn	Check
ADV	23.04.21	For Comment	JM	AJ
A	25.05.21	Development Application	JM	AJ

JMD design

190 James Street
Redfern NSW 2016
T (02) 9310 5644
info@jmddesign.com.au

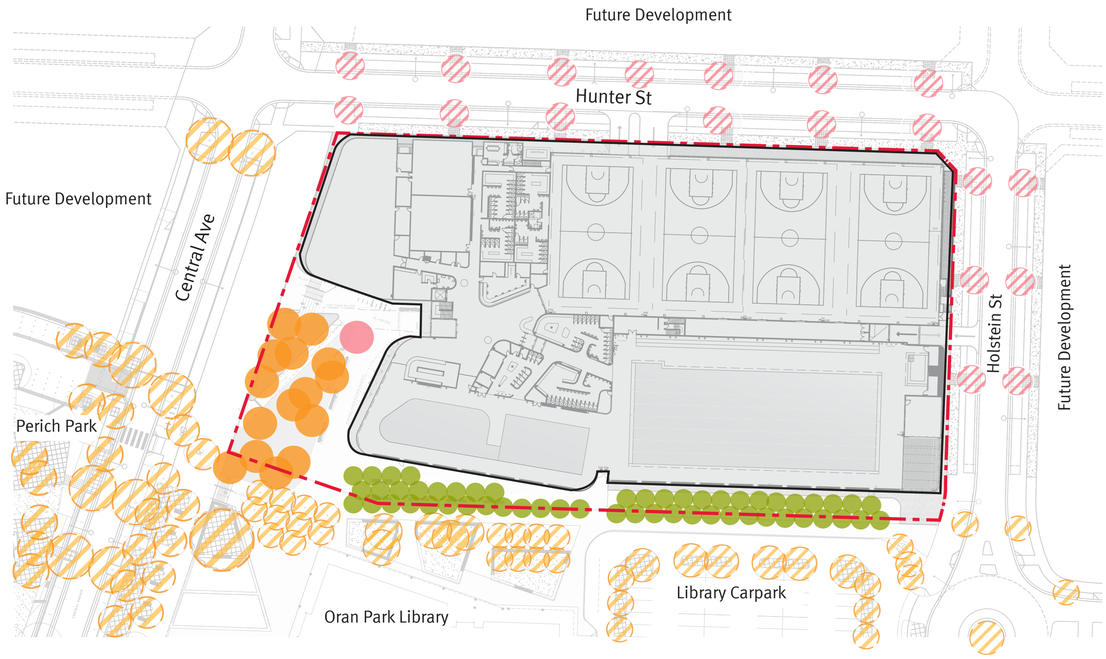
Project
Oran Park Leisure Centre
Drawing title
Design Analysis & Key Principles 01

Date
May 2021
Scale
Scale NTS

Drawing No.
L02

Issue No.
A

Tree Strategy



Leisure Centre building

Extent of works

Trees to be delievered as part of Oran Park Leisure Centre

- Proposed feature tree - *Ulmus parvifolia*
- Proposed *Corymbia citriodora*
- Proposed *Pyrus calleryana* 'Cleveland Select'

Trees to other submission

- Proposed trees
- Existing trees

Landscape Treatments

Leisure Centre building

Extent of works

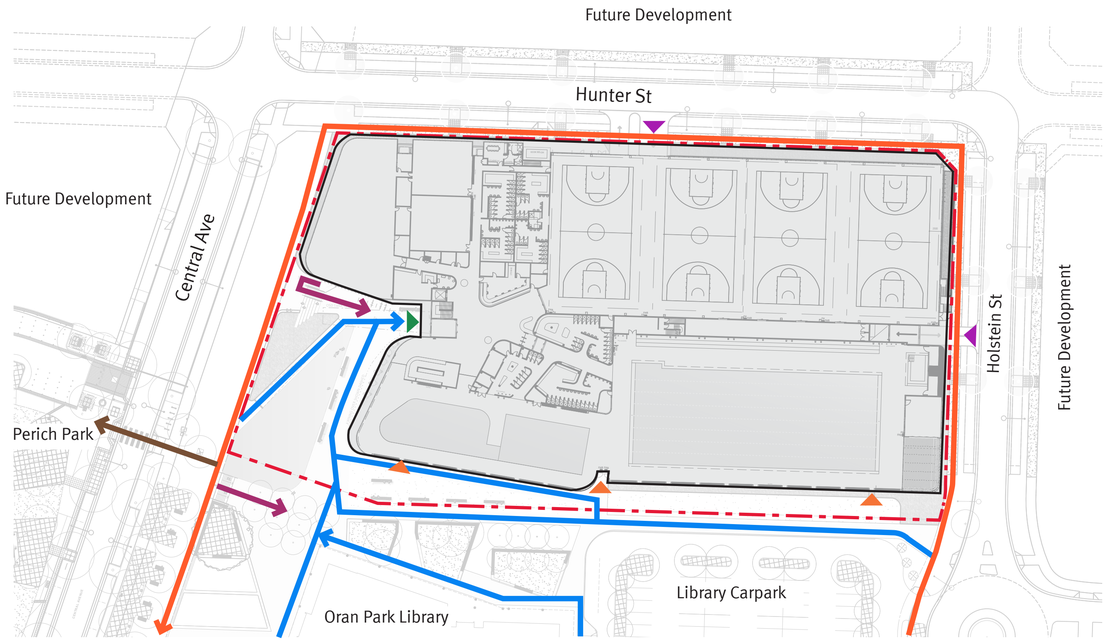
Mass planting

Turf area

Civic area

Client	Consultant	Revisions										
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title Design Analysis & Key Principles 02	Date May 2021 Scale Scale NTS	Drawing No. L03	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

Circulation



- Leisure Centre building
- Extent of works
- 2 - 12m footpath/plaza areas
- Universal access (includes lift access from basement)
- Universal access pedestrian crossing to Perich Park
- Stair access from NS Promenade & basement
- Vehicular access to basement
- Fire/Emergency/Special Groups Access
- Main access to building

NOTE: all works to Central Avenue, Hunter Street and Holstein Street to future DA drawings

DA Landscape Plan - Ground Floor

KEY

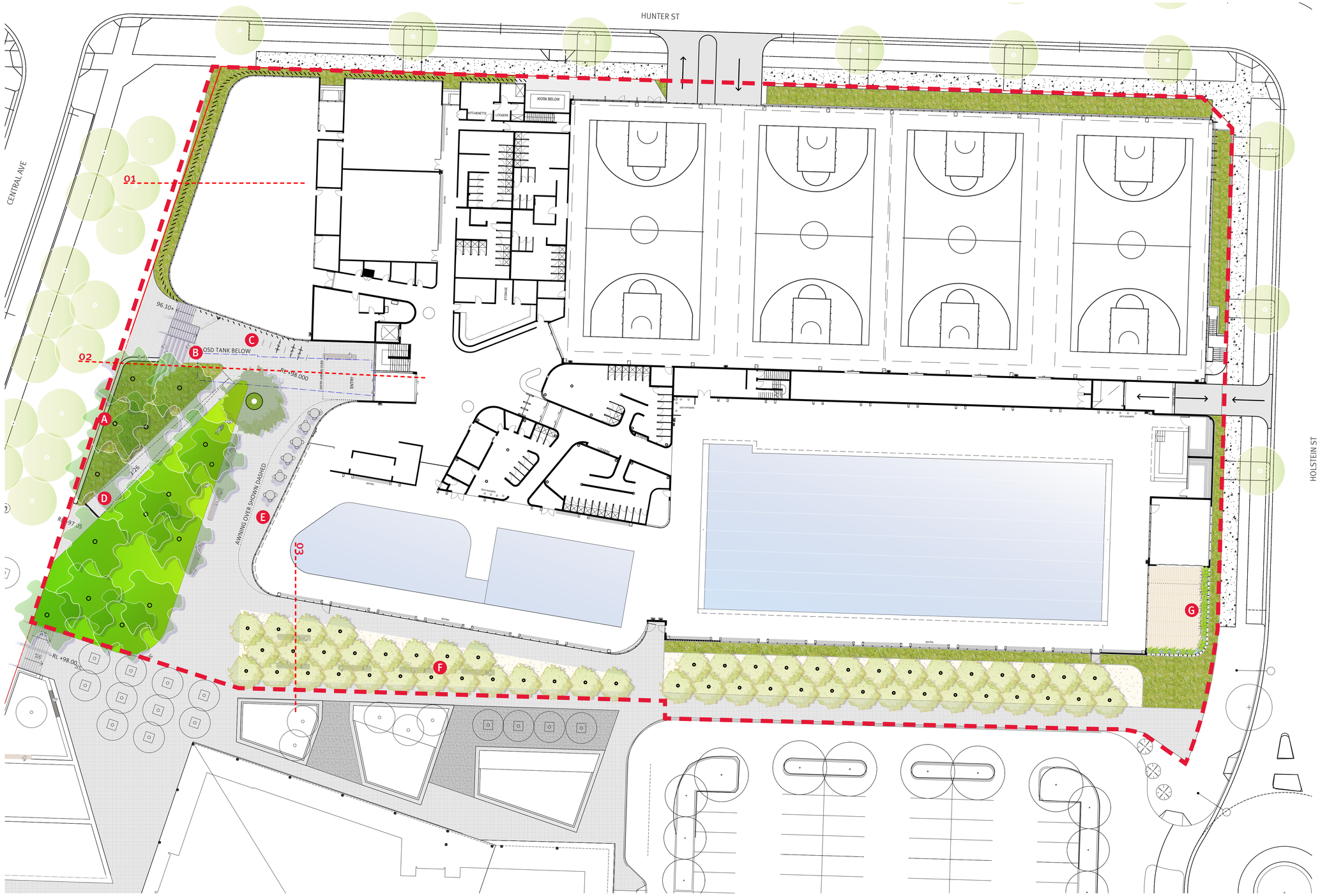
Existing

- Existing tree - tree pit
- Existing tree - in planting

Proposed

- Proposed *Ulmus parvifolia*
- Proposed *Pyrus calleryana* 'Cleveland Select'
- Proposed *Corymbia citriodora* - in planting/lawn
- Proposed tree - to seperate DA
- Proposed lawn
- Proposed mass planting*
- Proposed paving to match existing
- Decomposed granite paving
- Proposed seating
- Extent of works
- A Proposed retaining wall seating edge
- B Proposed bleachers
- C Bicycle parking
- D Access ramp
- E Cafe seating area
- F Passive seating area
- G Deck planter

* for species refer indicative plant schedule



Client	Consultant	Revisions									
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title A1 Plan - Ground Floor	Date May 2021 Scale Scale 1:250 @ A1	Drawing No. L05	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

NOTE: all works to Central Avenue, Hunter Street and Holstein Street to future DA drawings

DA Landscape Plan - Lower Ground

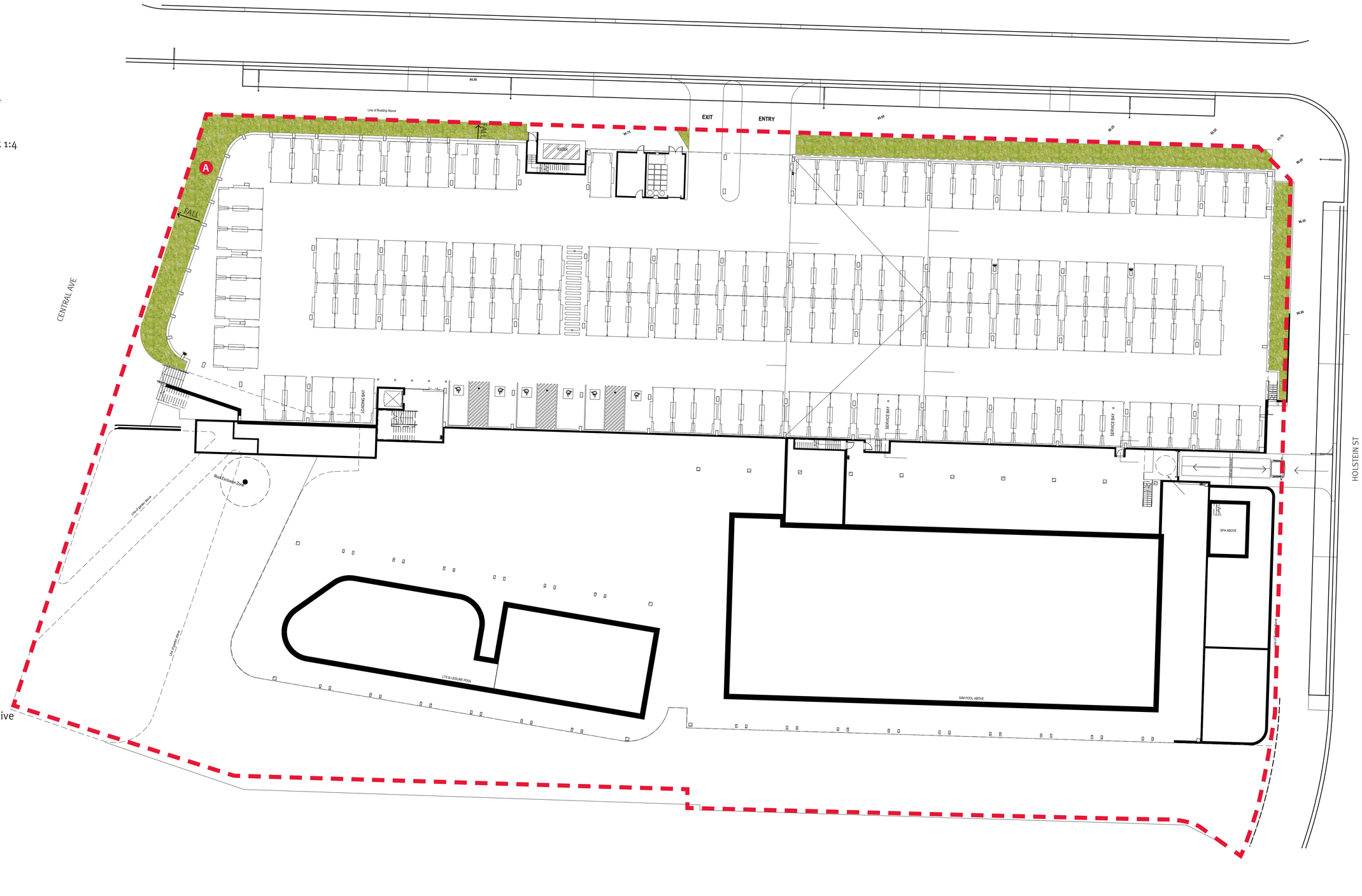
KEY

Existing

Proposed mass planting*

Mass planted berm - Max 1:4

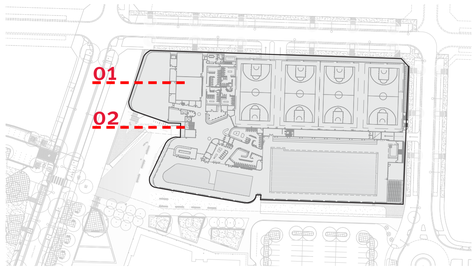
Extent of works



* for species refer indicative plant schedule

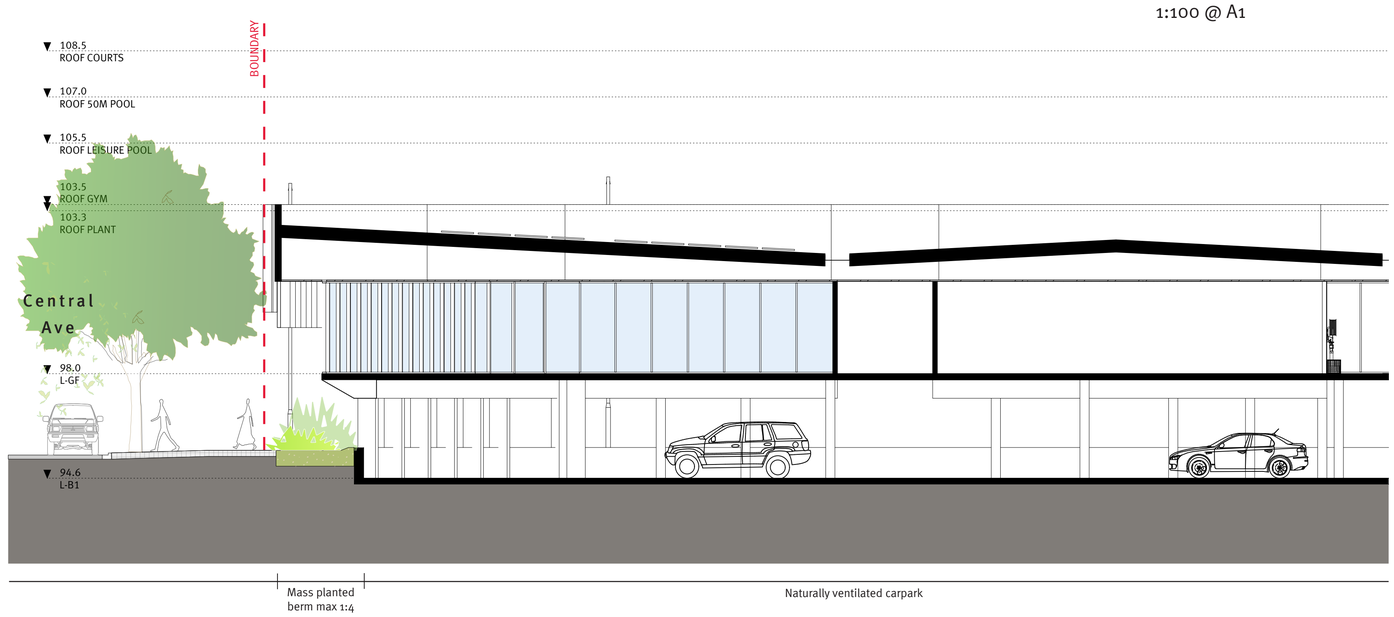
Client	Consultant	Revisions									
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title A1 Plan - Lower Ground	Date May 2021 Scale Scale 1:250 @ A1	Drawing No. L06	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

Sectional Elevations

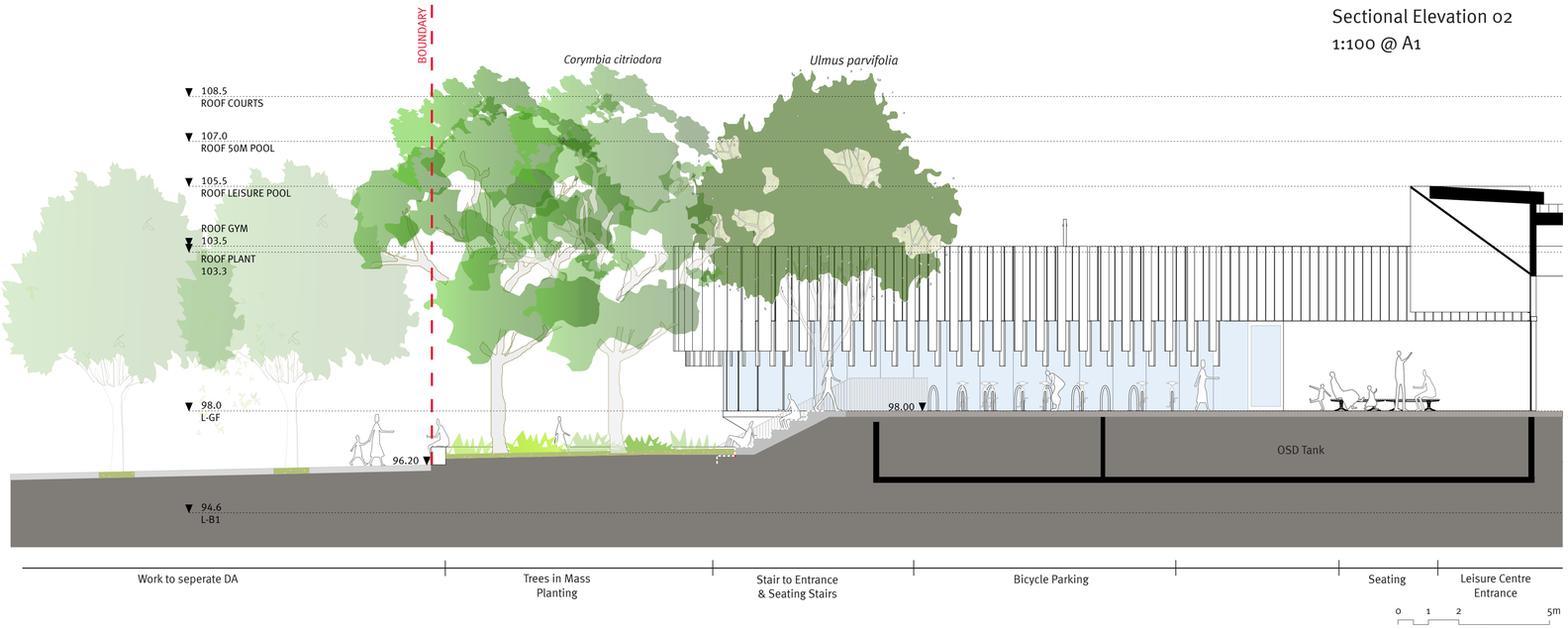


Key plan

Sectional Elevation 01
1:100 @ A1

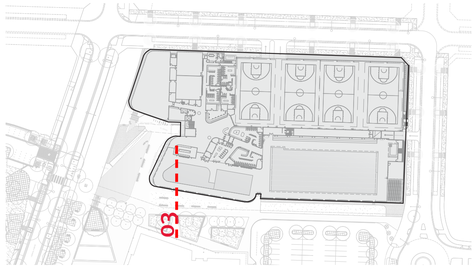


Sectional Elevation 02
1:100 @ A1



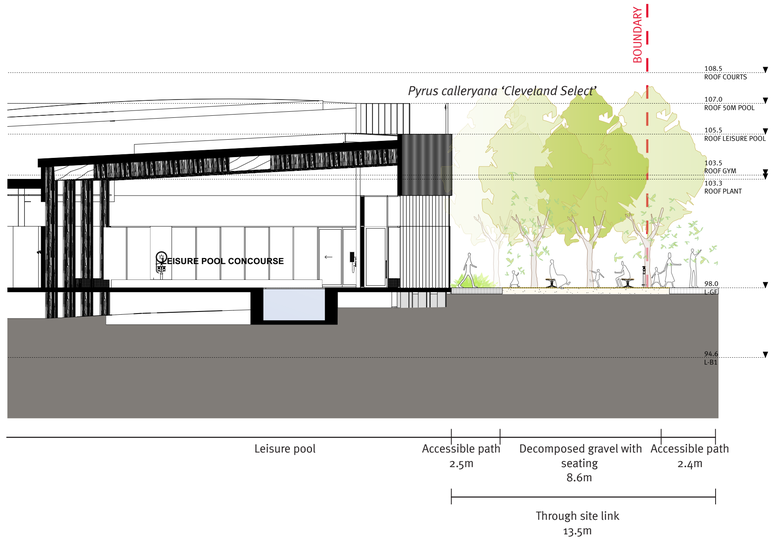
Client	Consultant	Revisions									
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title Sectional Elevations	Date May 2021 Scale Scale 1:100 @ A1	Drawing No. L07	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

Sectional Elevations



Key plan

Sectional Elevation 03
1:100 @ A1



0 1 2 5m

Client	Consultant	Revisions											
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title Sectional Elevations	Date May 2021 Scale Scale 1:100 @ A1	Drawing No. L08	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

Materials & Finishes Palette

Planting

Mass planting under trees

Walls & Edges

In-situ and/ or precast concrete walls and retaining edges

Trees

Seating in crushed gravel under mature tree canopy

Pavements

Granite paving, varying stone colours*

Decomposed granite paving

Granite paving, varying finishes and unit sizes to differentiate areas*

Indicative Materials Palette

Granite paving Type B

'Raven Black' with exfoliated granite finish

Paving Type F -
'CCH Gost Gum' lightly washed coloured concrete

Dish drain

Standard Furniture - OPTC Materials & Furniture Suite

Steel bicycle racks (subsurface fixed)

Powdercoated metal rubbish bin enclosure*

Metal and hardwood timber batten benches and seats as standard seating type

Street furniture to future detail consistent to Town Park and North South Promenade

* Refer to Oran Park Town - Public Domain Manual, 2011

Client	Consultant	Revisions										
camden council	WARREN AND MAHONEY	Issue	Date	Description	Drawn	Check	JMD design	190 James Street Redfern NSW 2016 T (02) 9310 5644 info@jmddesign.com.au	Project Oran Park Leisure Centre Drawing title Materials and Finishes Palette	Date May 2021 Scale NA	Drawing No. L09	Issue No. A
		ADV	23.04.21	For Comment	JM	AJ						
		A	25.05.21	Development Application	JM	AJ						

Indicative Plant Schedule

Trees

Corymbia citriodora

Corymbia citriodora

P. calleryana 'Cleveland Select'

P. calleryana 'Cleveland Select'

Ulmus parvifolia

Mass Planting - Shrubs

C. viminalis 'Little John'

Philotheca buxifolia

R. indica 'Snow Maiden'

Syzygium australe 'Tiny Trev'

Westringia fruticosa 'Grey Box'

Grasses & Groundcovers

Dianella spp.

Dichondra repens

Ficinia nodosa

Gazania tomentosa

Hardenbergia 'Happy Wanderer'

Juniperus conferta

Liriope 'Just Right'

L. longifolia 'Tanika'

L. Longifolia 'Verday'

Trachelospermum 'Tri Colour'

Deck Planter

Viola hederacea

Alpinia nutans

Rhapis Excelsa

Botanical name	Common name	Height	Pot size
Trees:			
Corymbia citriodora	Lemon Scented Gum	30m	100L
Pyrus calleryana 'Cleveland Select'	Ornamental Pear	10m	100L
Ulmus parvifolia	Chinese Elm	13m	100L
Mass Planting - Shrubs:			
Grevillea 'Mt Tamboritha'	Grevillea	Varies	140mm pot
Philotheca buxifolia	Box Leaf Wax Flower	1 m	140mm pot
Westringia fruticosa 'Grey Box'	Dwarf Coastal Rosemary	600mm	140mm pot
Westringia fruticosa 'Zena'	Coastal Rosemary	600mm	140mm pot
Grasses & Groundcovers			
Dianella spp.	Blue Flax Lily	Varies	90x90x50mm
Dichondra repens	Kidney Weed	100mm	90x90x50mm
Ficinia nodosa	Knobby Club Rush	Varies	90x90x50mm
Lomandra longifolia 'Tanika'	Tanika Mat Rush	600mm	140mm pot
Viola hederacea	Native Violet	100mm	90x90x50mm
Mass Planting Species - Ornamental			
Hardenbergia 'Happy Wanderer'	False Sarsaparilla	Varies	200mm pot
Rhaphiolepis indica 'Snow Maiden'	Indian Hawthorn	600mm	140mm pot
Syzygium australe 'Tiny Trev'	Lilly Pilly	1m	140mm pot
Ornamental Grasses, Groundcovers & Climbers			
Gazania tomentosa	Gazania	300mm	140mm pot
Juniperus conferta	Shore juniper	500mm	140mm pot
Liriope 'Just Right'	Lilyturfs	500mm	140mm pot
Lomandra 'Verday'	Dwarf Lomandra	600mm	140mm pot
Trachelospermum 'Tri Colour'	Star Jasmine	300mm	140mm pot
Deck Planter			
Alpinia nutans	Dwarf Cardamon	1500mm	140mm pot
Rhapis excelsa	Rhapis Palm	3000mm	140mm pot

-Indicative planting palette only - subject to availability and confirmation during procurement.
-Indicative heights at maturity.