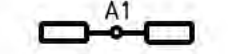
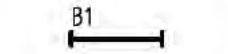
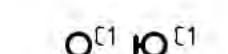
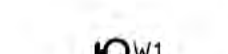
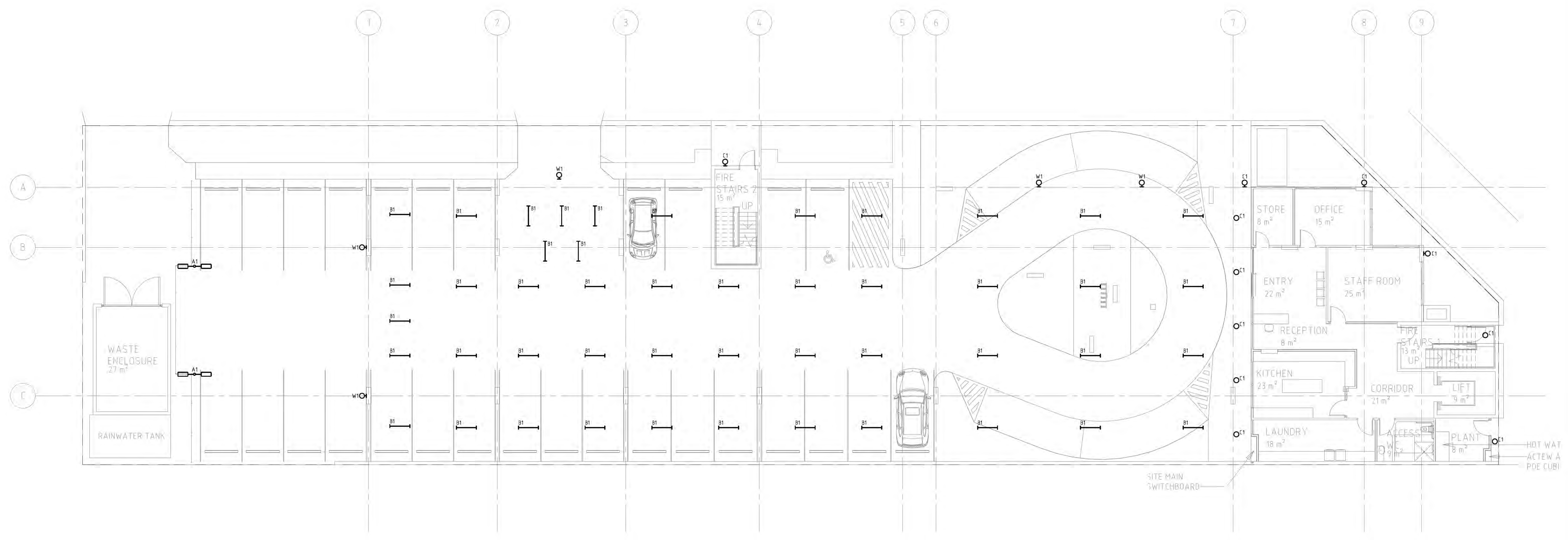


LEGEND:

-  3000 LUMEN, 4000K, IP65 RATED, ASYMMETRIC LED AREA LIGHTING TWIN LUMINAIRES MOUNTED ON 6m POWDER COATED FLANGE BASE MOUNTED LIGHTING COLUMN
-  3000 LUMEN, 4000K, IP65 RATED, 1200 LONG SURFACE MOUNTED LED LUMINAIRE THORN GLADIATOR
-  28WATT, 800 LUMEN, 4000K, IK08 SOFFIT or IP65 RATED LED WALL MOUNTED 270 DIA CIRCULAR LUMINAIRE LIGMAN SANDY 2
-  3000 LUMEN, 4000K, IP65 RATED, SURFACE MOUNTED ASYMMETRIC LED AREA LUMINAIRE WALL MOUNTED TO LEVEL 1 SLAB EDGE



THIS LIGHTING DESIGN MEETS THE REQUIREMENTS OF CATEGORY 11b AND 12 IN ACCORDANCE WITH AS/NZS 1158 - LIGHTING FOR ROADS AND PUBLIC SPACES.

THIS LIGHTING DESIGN COMPLIES WITH THE REQUIREMENTS OF AS 4282 - CONTROL OF OBTRUSIVE INTRUSIVE EFFECTS OF OUTDOOR LIGHTING.

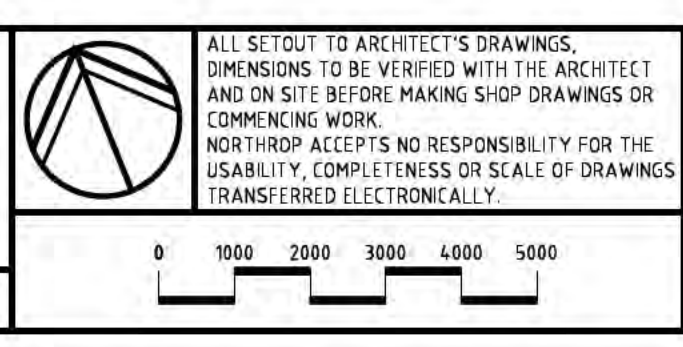
DRAWN: EL  
DESIGNED: KS  
JOB MANAGER: KS  
VERIFIER:

NO	DESCRIPTION	ISSUED	VERD	APP'D	DATE
1	DRAFT DA	EL		PK	24.11.17
2	DA	EL		PK	28.11.17
3	DA	EL		PK	30.11.17

CLIENT	ARCHITECT
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THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD



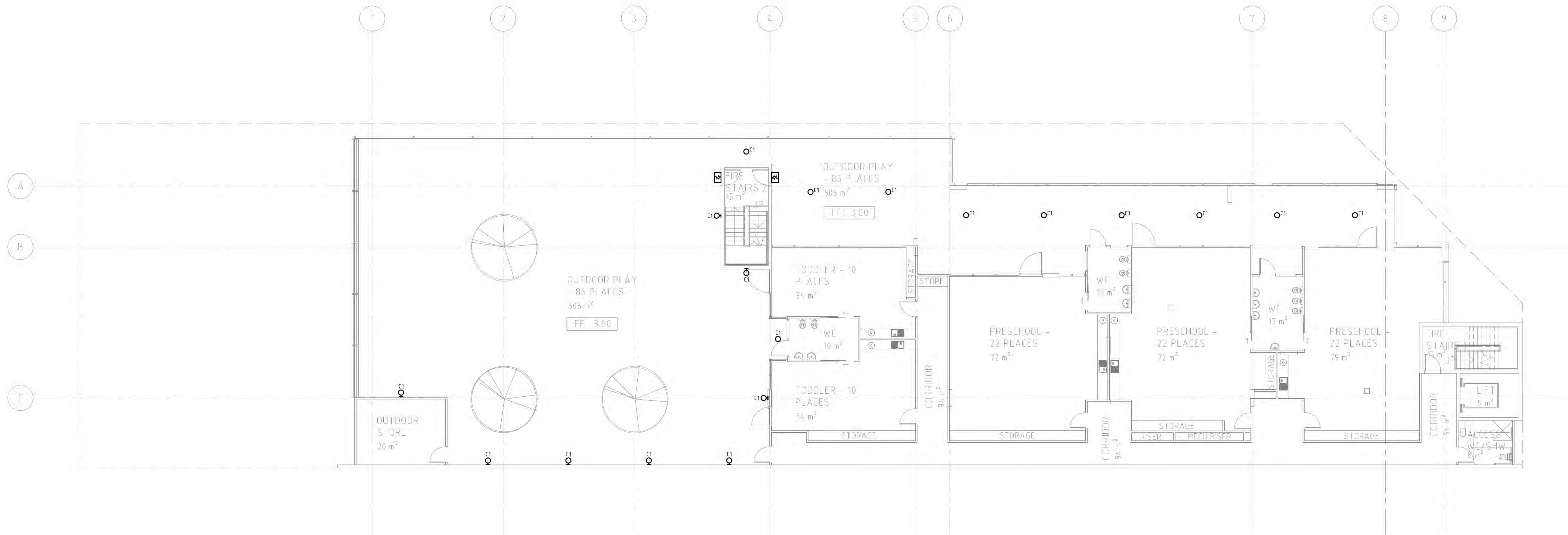
**NORTHROP**

CONSULTING ENGINEERS

PROJECT	M H H A M H
DRAWING TITLE	A V U Y U

JOB NUMBER	
DRAWING NUMBER	
REVISION	
DRAWING SHEET SIZE	B1

NOTE:  
1. FOR LEGEND REFER DRAWING E100



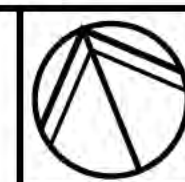
VERIFIER:  
JOB MANAGER: KS  
DESIGNED: KS  
DRAWN: EL

NO.	DESCRIPTION	ISSUED	VERD.	APP'D	DATE
1	DRAFT DA	EL		PK	24.11.17
2	DA	EL		PK	28.11.17
3	DA	EL		PK	30.11.17

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ARCHITECT

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PROJECT

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B

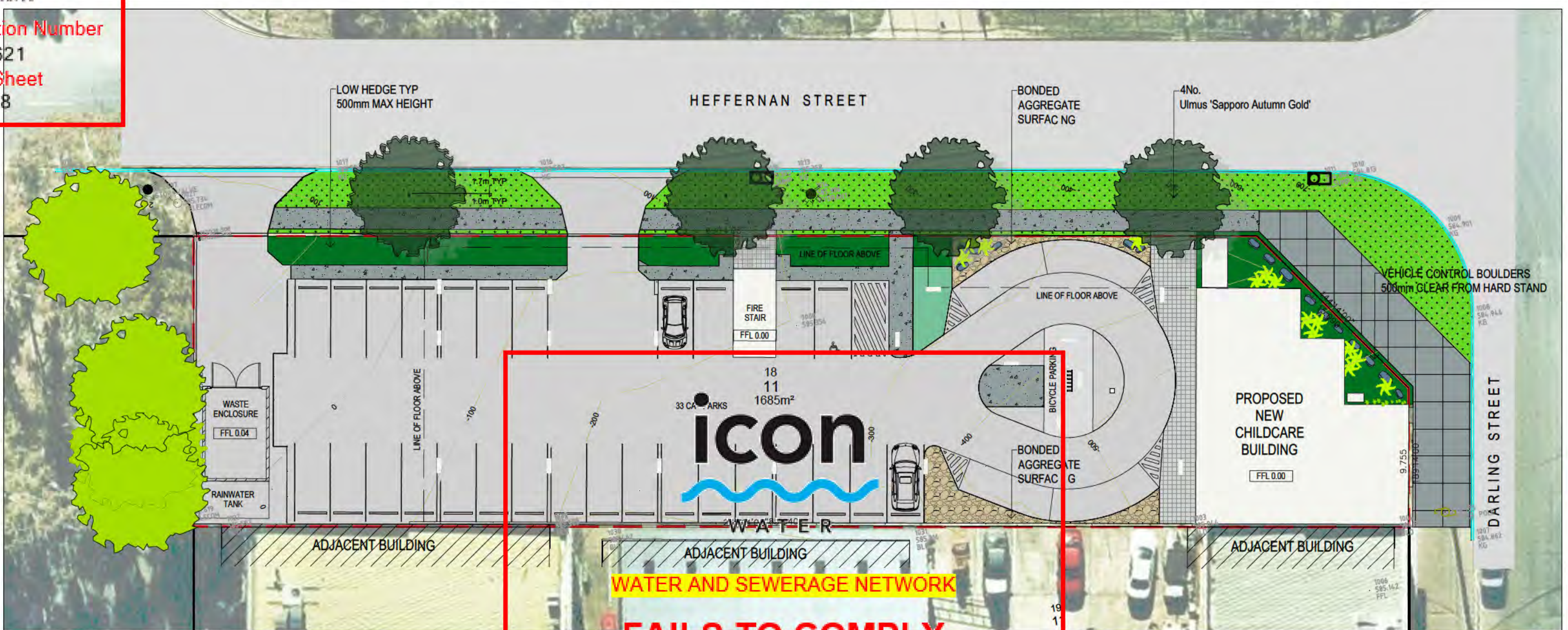
DRAWING TITLE

A V  
H Y U

JOB NUMBER

DRAWING NUMBER REVISION

DRAWING SHEET SIZE = B1



**LANDSCAPE LEGEND**

- PROPERTY BOUNDARY
- BOUNDARY OF UPPER LEVEL
- EXISTING TREES  
Off-site to be protected and retained
- PROPOSED HARD LANDSCAPE
  - PAVING TYPE 1: Grey Concrete, Covered Finish with 600x600mm sawcut grid pattern
  - PAVING TYPE 2: Grey Concrete, Covered Finish with 2000x2000mm sawcut grid pattern
  - PAVING TYPE 3: Exposed Aggregate Concrete, Charcoal oxide, Nimmittel blue aggregate
  - PAVING TYPE 4: 10mm Ø Bonded Gravel
  - PAVING TYPE 5: As specified by architect
- SAND BOX
- CIRCUIT RUN  
EPDM rubber soft fall
- TRAFFIC CONTROL SELECTED DECORATIVE BOULDERS
- PAINTED SURFACE: "OASIS" ELEMENTS  
Water theme
- PAINTED SURFACE: "TREASURE MAP" ELEMENTS  
Colours to be confirmed
- PROPOSED PLANTING - REFER TO L502.1 FOR SPECIES LOCATIONS
  - PROPOSED TREES  
Refer to L502.1 for species locations
  - PLANTING BEDS - INTERACTIVE PLAY - WITH SELECTED SEASONAL VEGETABLES AND OR SENSORY GARDENS
  - RAISED PLANTING CONTAINERS - CUSTOM DESIGNED AND SELECTED PROPRIETARY ITEMS EQUAL TO QUANTITY OF GRC PRODUCTS
  - ARTIFICIAL TURF  
Exterior play space
  - ARTIFICIAL TURF  
Interior play space
  - VERGE GRASSING - Reinstated to TCCS standards
  - CLIMBING PLANTS ON MESH SCREEN
- PROPOSED CUSTOM BUILT ELEMENTS
  - TIMBER TIPI SHELTER (BY OTHERS)
  - SHADE SAIL STRUCTURE
  - TIMBER DECKING  
Levels to be confirmed
  - TIMBER BOARDWALK SECTION  
Slight up and down ramping

**INDICATIVE LANDSCAPE MATERIALS: INSPIRATION IMAGES**

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Signed Eddie Gonzalez Date 02 Mar 2018  
Contact phone: 6248 3111



Leafy upper storey play areas



Shade loving plants



Planted vertical walls



Car park drop-off area: bonded gravel garden



Colourful glazing to building/play areas

NOTE  
Preliminary works by others shown on these drawings are for site context only and are indicative. Subject to change based on this assessment.

NOT FOR CONSTRUCTION



REVISION	REASON FOR ISSUE	DATE	DESIGN	DRAWN	CHECKED	APPROVED FOR ISSUE	DRAWING STATUS
A	FOR INFORMATION	01.11.2017	AJ	AJ	CS	CS	Warning: unless there is an authorised SPACELAB signature in the approved for issue column, this drawing is not approved for issue. COPYRIGHT This drawing remains the property of SPACELAB Studio. It may be used for the purpose for which it was commissioned & in accordance with the terms of engagement for that commission. Unauthorised use of the drawing is prohibited.
B	FOR INFORMATION	15.11.2017	AJ	CS	CS	CS	
C	FOR APPROVAL	01.12.2017	AJ	AJ	CS	CS	

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Kostantinou Developments Pty Ltd

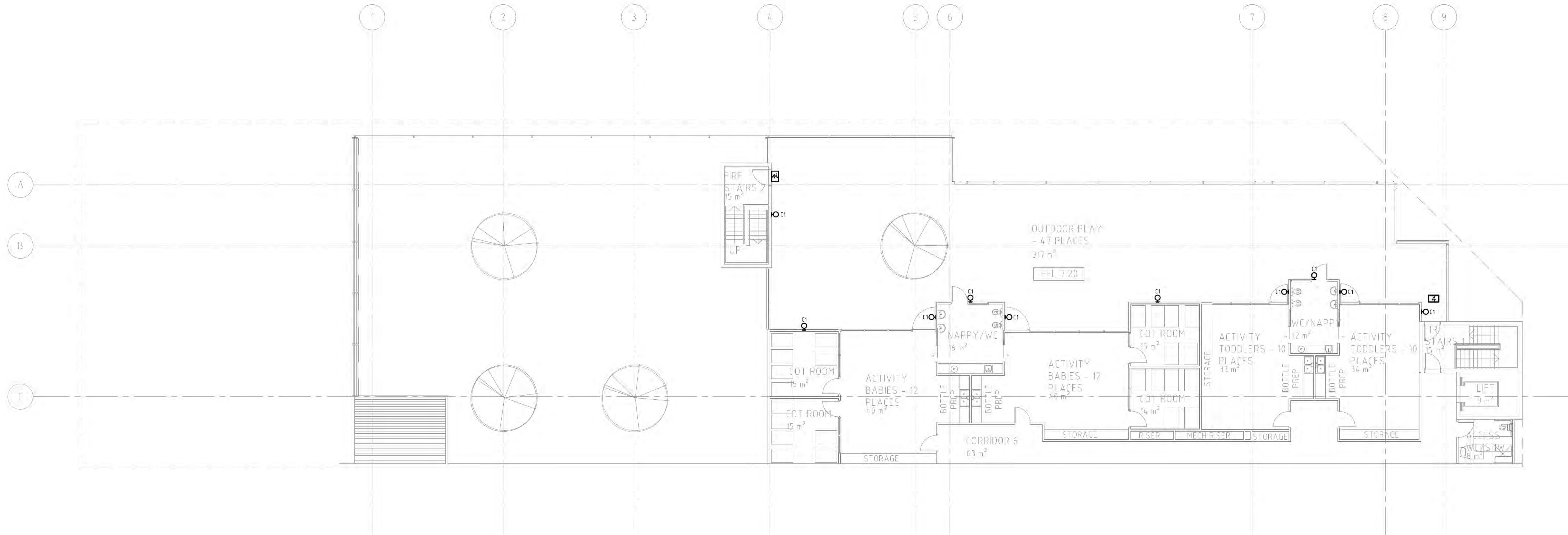
CONSULTANTS  
SPACELAB  
CREATING TIMELESS PLACES

arpm  
architecture project consulting interior design

PROJECT  
MITCHELL CH LDCARE CENTRE  
BLOCK 18 SECTION 11  
MITCHELL, ACT

DRAWING	LANDSCAPE PLAN GROUND FLOOR	SCALE @ A4 1:150	SCALE @ A0 1:300
PROJECT No 17/1272	DRAWING No L501.1	ISSUE DA	REVISION C

NOTE:  
1. FOR LEGEND REFER DRAWING E100



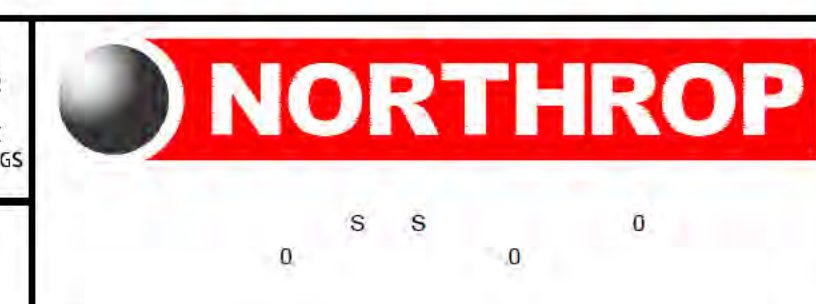
VERIFIER:  
JOB MANAGER: KS  
DESIGNED: KS  
DRAWN: EL

DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1 DRAFT DA	EL	PK		24.11.17
2 DA	EL	PK		28.11.17
3 DA	EL	PK		30.11.17

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ARCHITECT  
**A u p g u g**

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PROJECT  
**M H H A M H**

DRAWING TITLE  
**A V H Y U**

DRAWING NUMBER	REVISION
<b>2</b>	

DRAWING SHEET SIZE = B1



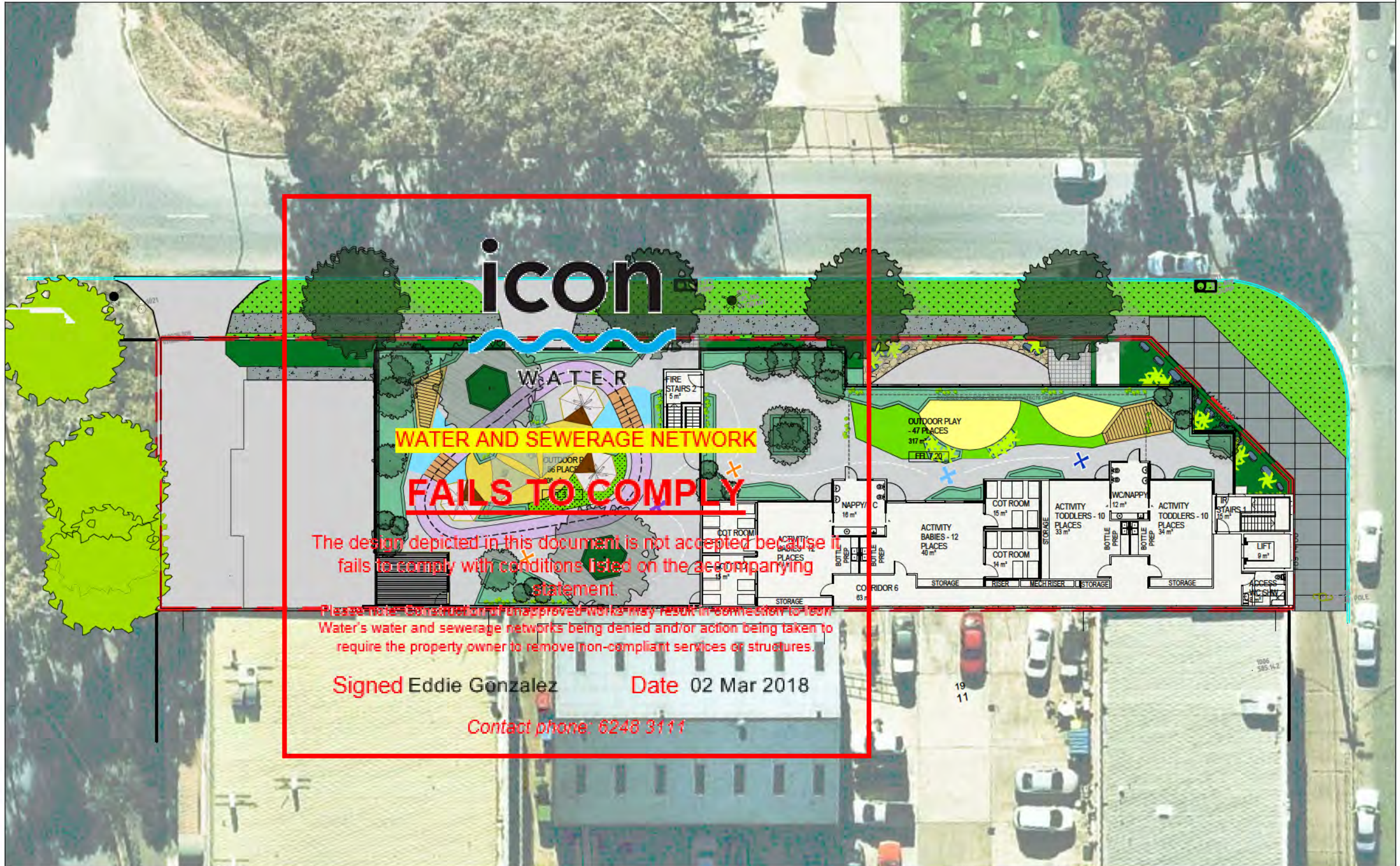
SPACELAB  
CREATING TIMELESS PLACES

ISSUE DATE: 01.12.2017  
DA ISSUE  
REVISION: C

DRAWING SCHEDULE

LANDSCAPE DRAWINGS:

DWG No.	Drawing Title
L501.1	LANDSCAPE PLAN - GROUND FLOOR
L501.2	LANDSCAPE PLAN - LEVEL 1
L501.3	LANDSCAPE PLAN - LEVEL 2
L502.1	PLANTING PALETTE



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BLOCK 18 SECTION 11, MITCHELL - KEY PLAN

SCALE 1:150 @ A1 1:300 @ A3

**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [EPD\\_Customer\\_Services](#)  
**Subject:** Icon Water Application Decision. Application - 167621. Mitchell - 18/11 (Email 4 of 11)  
**Date:** 2 March 2018 8:50:21 AM  
**Attachments:** [LSCAPE-201733198-LEVEL 1-01#2.pdf](#)  
[LSCAPE-201733198-LEVEL 2-01#2.pdf](#)  
[LSCAPE-201733198-PLANING PALETTE-01.pdf](#)

---

## Icon Water

### Approval ID : 167621, Mitchell 18 /11

Your application has been assessed against Icon Water's water and sewerage network access and asset protection requirements.

Please find attached an Icon Water DECISION STATEMENT together with your stamped plans.

A failure to comply with decision statement conditions will invalidate the approval and will expose the land-holder to prosecution under the Utilities Act 2000.

Non-compliant submissions must be rectified and resubmitted to Icon Water for approval prior to construction commencing. A decision to proceed with construction using unapproved drawings will expose the land-holder to prosecution under the Utilities Act 2000.

Please note: Separate decision statements are required from other utilities (eg: electricity, gas, stormwater and communications)

### Future applications

Icon Water has introduced an online planning application process for obtaining utility clearances prior to submitting a development application or seeking building approval.

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Icon Water requests that organisations register their details if they regularly submit applications. Registration will reduce the time it takes to lodge an application. To register, send a return email including the organisation's name, a contact name, phone number and email address.

Regards

**Eddie Gonzalez**  
[Building Approvals and Network Protection](#)  
[Icon Water](#)

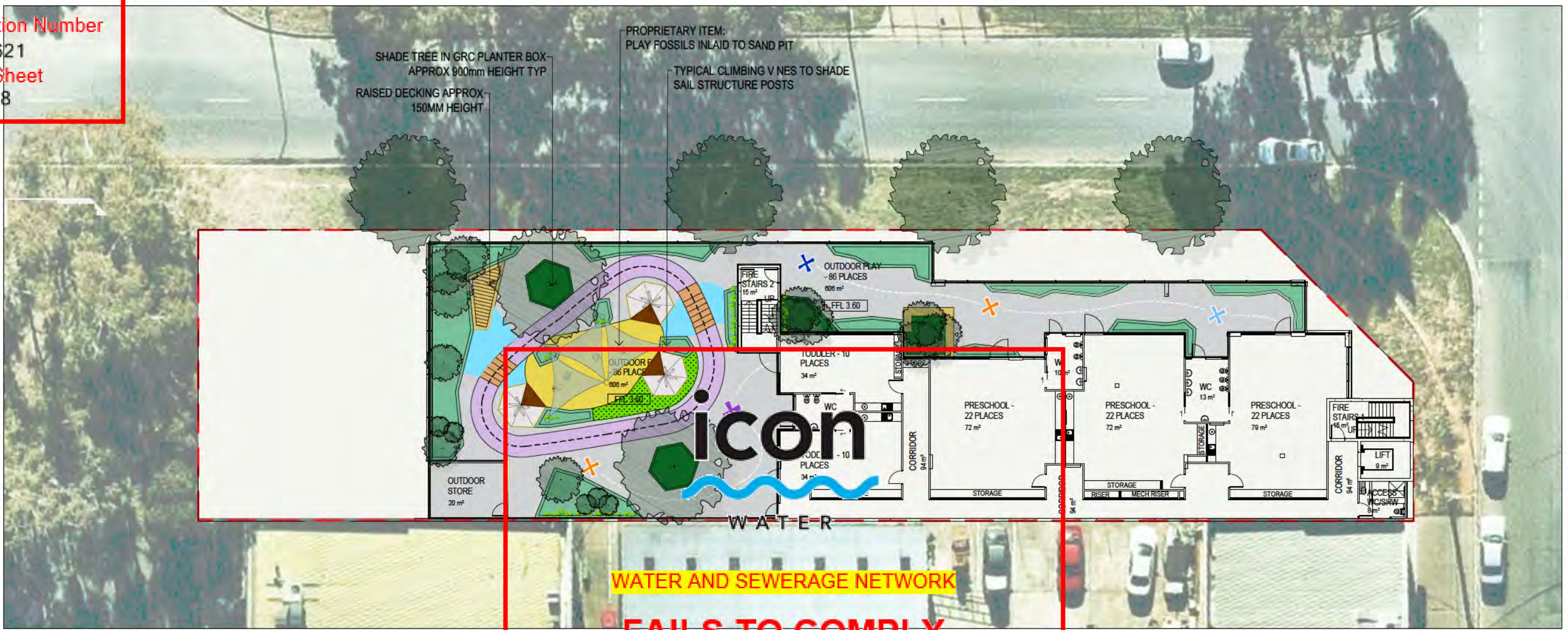
**Telephone** 02 6248 3111  
**Facsimile** 02 6242 1459  
**Email** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
GPO Box 366 Canberra ACT 2601  
[www.iconwater.com.au](http://www.iconwater.com.au)

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**WATER AND SEWERAGE NETWORK FAILS TO COMPLY**

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Signed Eddie Gonzalez Date 02 Mar 2018  
Contact phone: 6248 3111

**LANDSCAPE LEGEND**

- PROPERTY BOUNDARY
- BOUNDARY OF UPPER LEVEL
- EXISTING TREES
- PROPOSED HARD LANDSCAPE
- PAVING TYPE 1: Grey Concrete, Covered Finish with 600x600mm sawcut grid pattern
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- PAVING TYPE 4: 10mm Ø Bonded Gravel
- PAVING TYPE 5: As specified by architect
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- CIRCUIT RUN
- EPDM rubber soft fall
- TRAFFIC CONTROL SELECTED DECORATIVE BOULDERS
- PAINTED SURFACE: "OASIS" ELEMENTS
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- PROPOSED TREES
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- PROPOSED CUSTOM BUILT ELEMENTS
- TIMBER TIPI SHELTER (BY OTHERS)
- SHADE SAIL STRUCTURE
- TIMBER DECKING
- TIMBER BOARDWALK SECTION

**INDICATIVE LANDSCAPE MATERIALS: INSPIRATION IMAGES**



Artificial turf under cover    Indicative timber ramp    Play fossils in sand pit    Planting visible through balustrades    Jasmine trained up cables    Low decking at sand pit    "Treasure Map" overall play area concept

NOTE  
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**NOT FOR CONSTRUCTION**



REVISION	REASON FOR ISSUE	DATE	DESIGN	DRAWN	CHECKED	APPROVED FOR ISSUE
A	FOR INFORMATION	01.11.2017	AJ	AJ	CS	CS
B	FOR INFORMATION	15.11.2017	AJ	CS	CS	CS
C	FOR APPROVAL	01.12.2017	AJ	AJ	CS	CS

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CLIENT  
**Kostantinou Developments Pty Ltd**

CONSULTANTS

PROJECT  
**MITCHELL CH LDCARE CENTRE  
BLOCK 18 SECTION 11  
MITCHELL, ACT**

PROJECT No	DRAWING No	ISSUE	REVISION
17/1272	L501.2	DA	C





**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [EPD, Customer Services](#)  
**Subject:** Icon Water Application Decision. Application - 167621. Mitchell - 18/11 (Email 5 of 11)  
**Date:** 2 March 2018 8:50:29 AM  
**Attachments:** [MISC-201733198-12#2.pdf](#)  
[MISC-201733198-13#2.pdf](#)  
[MISC-201733198-14#2.pdf](#)  
[MISC-201733198-15#2.pdf](#)  
[NOISE-201733198-01\\_Part1.pdf](#)

---

## Icon Water

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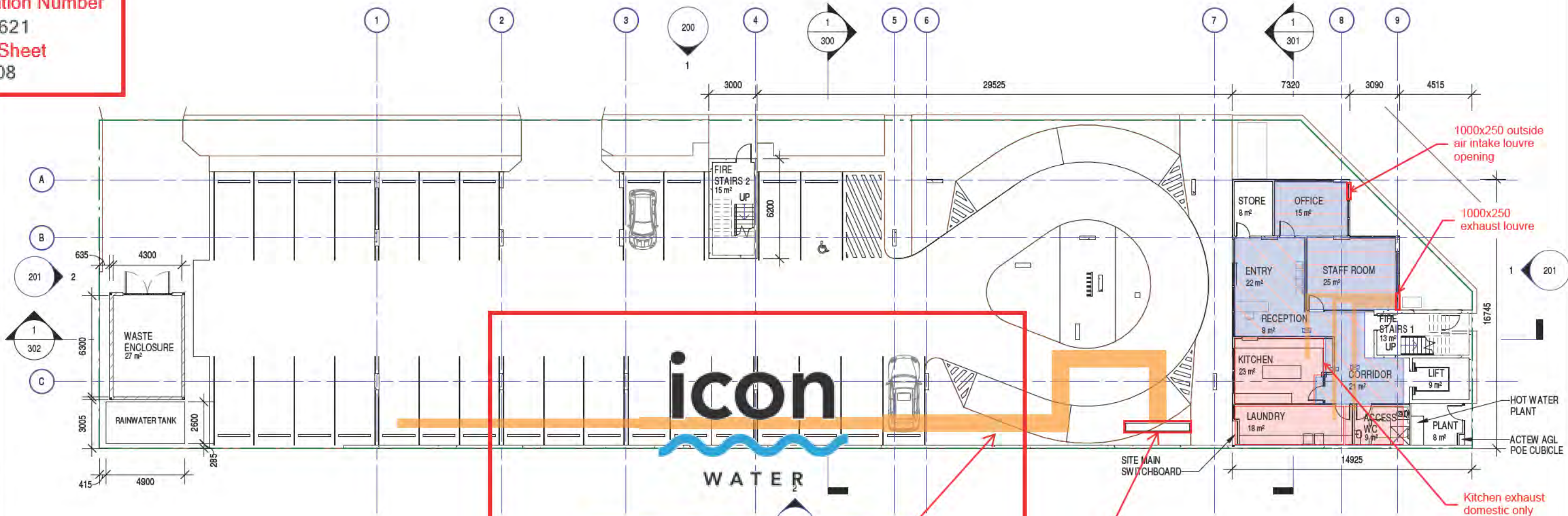
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Regards

**Eddie Gonzalez**

[Building Approvals and Network Protection](#)



**icon**  
WATER

**WATER AND SEWERAGE NETWORK**

**FAILS TO COMPLY**

Carpark ventilation ductwork  
Carpark ventilation ductwork to be in fire rated riser.

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Signed Eddie Gonzalez      Date 02 Mar 2018

Contact phone: 6246 3111

1000x250 outside air intake louvre opening

1000x250 exhaust louvre

Kitchen exhaust domestic only

LEGEND

- Exhaust System
- Proposed Air-Conditioned Zones

**Rudds Consulting Engineers**  
5 Bodalla Place  
FYSHWICK, ACT 2609  
Tel: (02) 6240 2900  
Fax: (02) 6290 9951  
Email: firstname.surname@rudds.com.au  
Website: www.rudds.com.au  
ABN 16 054 221 182

Rev	Amendment	Date	Int



Advisers: Alice Springs | Canberra | Darwin | Hobart | Melbourne | Perth  
Level 5, 19 Mann Street Canberra ACT 2601 P: (02) 61 68 4087 E: info@arpom.net.au

MITCHELL CHILDCARE CENTRE  
BLOCK 18, SECTION 11 CORNER DARLING & HEFFERNAN STREET, MITCHELL, ACT

GROUND FLOOR PLAN			
Drawn	Date	Scale	Project Number
Author		1:250	A3 A17041
Review	Date	Project Leader	Date
Checker		Designer	
PRELIMINARY		Drawing Number	Area
		SK 102	

Contractor shall check and verify all levels and dimensions on site and report any discrepancies to the Superintendent before undertaking any work or stop drawings

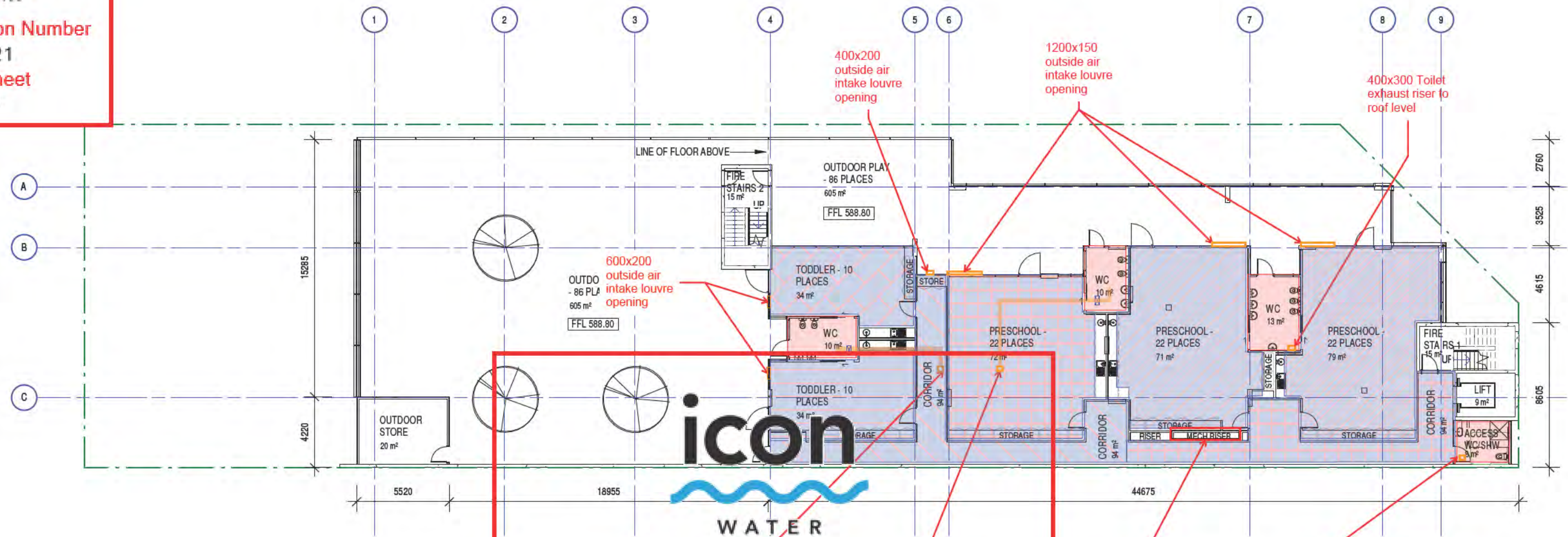
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17/01/2018 12:12:52 PM

Architectural Drawings  
Issued 30-01-18

**Rudds Consulting Engineers**  
Comments 12/02/2018





**WATER AND SEWERAGE NETWORK**

**FAILS TO COMPLY**

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Signed Eddie Gonzalez Date 02 Mar 2018

Contact phone: 6248 3111

Minimum requirement by the ventilation code 1668.2-2012

Proposed filter to all outside air intakes.

**Particle size table**

Substance	approximate range of particle diameters (microns)
Rain drops	500 - 5000
Natural mist	60 - 500
Natural fog	2 - 60
Pollens	10 - 100
Ground talc	0.5 - 50
Bacteria	0.3 - 35
Plant spores	10 - 35
Insecticide dusts	0.5 - 10
Stoker fly ash	10 - 8000
Pulverized coal, fly ash	1 - 50
Foundry dusts	1 - 1000
Cement dust	3 - 100
Metallurgical dust	0.5 - 100
Dust damaging to lungs	0.5 - 5
Oil smoke	0.1 - 1.0
Resin smoke	0.01 - 1.0
Tobacco smoke	0.01 - 1.0
Carbon black	0.01 - 0.3
Pigments (paints)	0.1 - 5
Viruses	0.003 - 0.05
Human hair	35 - 200

Rating performance	10 micron	5 micron	1 micron	0.5 micron	0.1 - 0.3 micron	Filter type
G1	90%	60%	20%	0%	0%	pre-filter
G2	96%	75%	30%	10%	0%	pre-filter
G3	97%	85%	45%	25%	0%	pre-filter
G4	98%	92%	58%	35%	5%	pre-filter
F5	98%	97%	70%	45%	20%	secondary
F6	99%	98%	82%	62%	40%	secondary
F7	99.9%	99%	88%	72%	55%	secondary
F8	99.9%	99.9%	97%	88%	78%	secondary
F9	99.99%	99.99%	98%	95%	93%	secondary
H10-H14	100%	100%	100%	100%	99.99%	HEPA
U15-U17	100%	100%	100%	100%	99.9975%	ULPA

For more information on HEPA or ULPA grades please contact your local distributor

**Rudds Consulting Engineers**  
5 Bodalla Place  
FYSHWICK, ACT 2609  
Tel: (02) 6240 2900  
Fax: (02) 6290 9951  
Email: first.name.surname@rudds.com.au  
Web: www.rudds.com.au  
ABN 16 054 221 182

Rev	Amendment	Date	Int



Address: [ Alice Springs ] [ Canberra ] [ Darwin ] [ Hobart ] [ Melbourne ] [ Perth ]  
Level 5, 19 Moss Street Canberra ACT 2601 P: (02) 61 68 4087 | E: info@arpm.net.au

MITCHELL CHILDCARE CENTRE  
BLOCK 18, SECTION 11 CORNER DARLING & HEFFERNAN STREET, MITCHELL, ACT

FIRST FLOOR PLAN

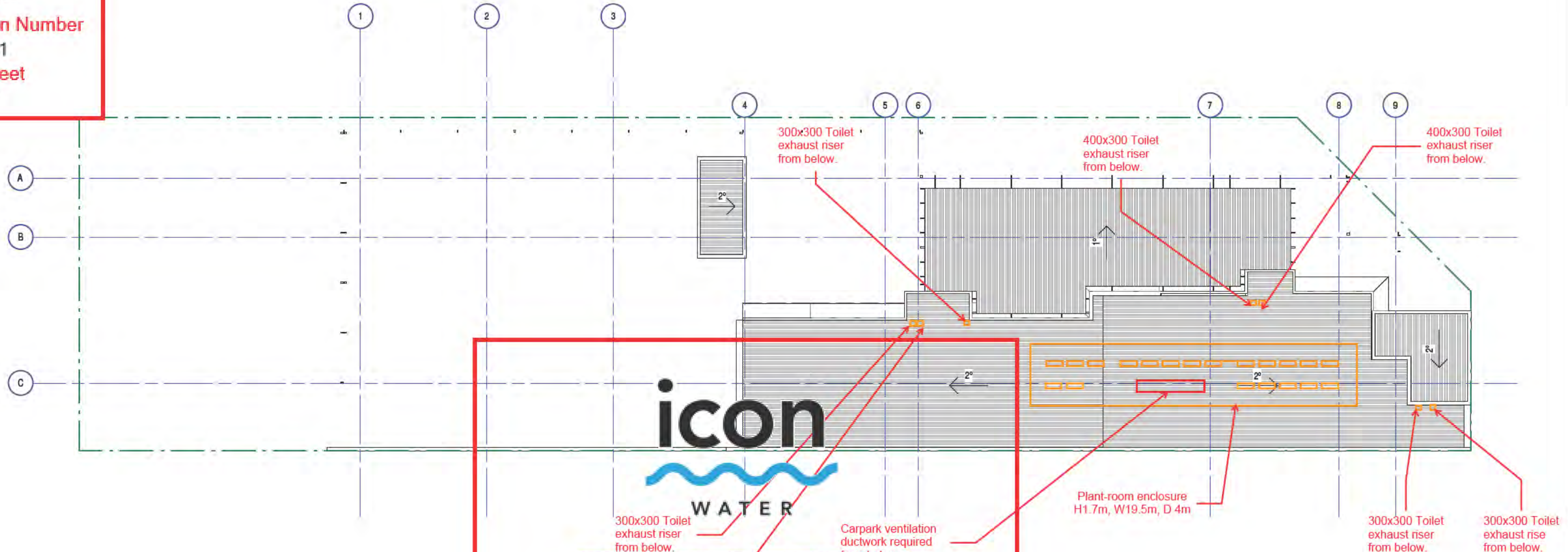
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Author		1 : 250	A3
Review	Date	Project Leader	Date
Checker		Designer	
PRELIMINARY			Drawing Number
			SK 103
			Aut

Contractor shall check and verify all levels and dimensions on site and report any discrepancies to the Superintendent before undertaking any work or shop drawings

**Rudds Consulting Engineers**  
Comments 12/02/2018



Architectural Drawings  
Issued 30-01-18



**icon WATER**

**WATER AND SEWERAGE NETWORK FAILS TO COMPLY**

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Signed Eddie Gonzalez      Date 02 Mar 2018

Contact phone: 6248 3111

**Rudds Consulting Engineers**  
PTY LIMITED  
ABN 16 054 021 182

5 Bodalla Place  
FYSHWICK, ACT 2609  
Tel: (02) 6240 2900  
Fax: (02) 6290 9951  
Email: firstname.surname@rudds.com.au  
Website: www.rudds.com.au

Rev	Amendment	Date	Int



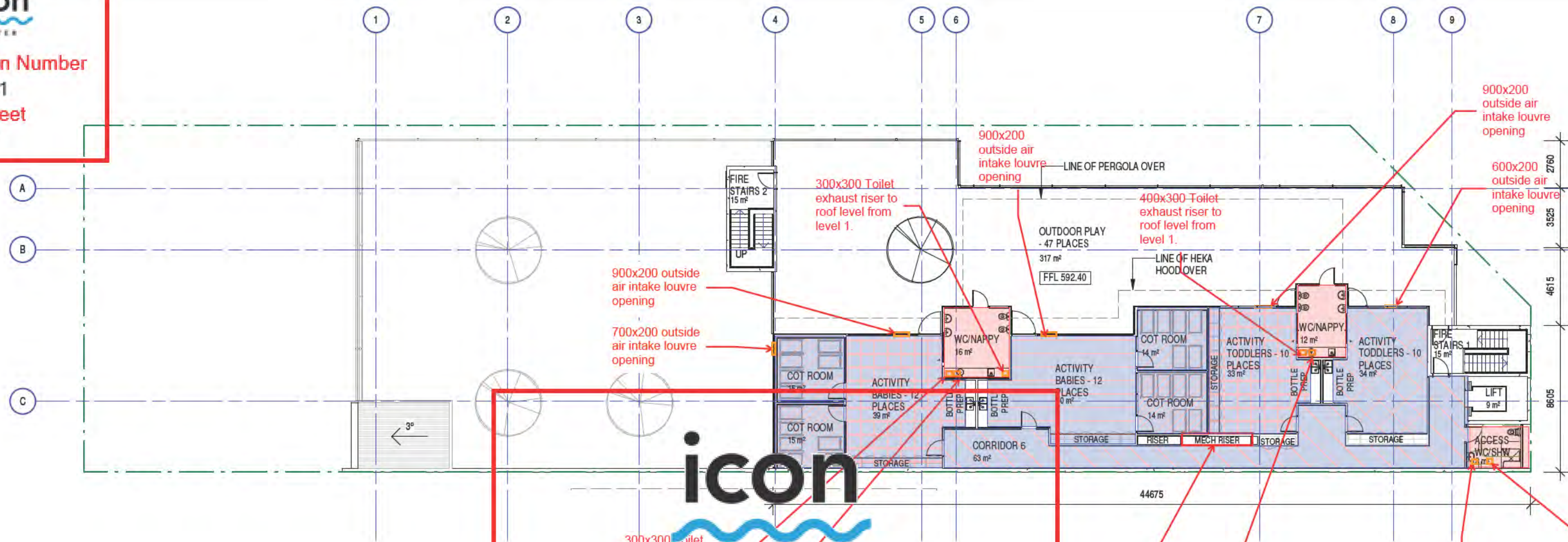
Address: Alice Springs | Canberra | Darwin | Hobart | Melbourne | Perth  
Level 5, 19 Moss Street Canberra ACT 2601 P: (02) 61 66 4087 E: info@arpm.net.au

MITCHELL CHILDCARE CENTRE  
BLOCK 18, SECTION 11 CORNER DARLING & HEFFERNAN STREET, MITCHELL, ACT

ROOF PLAN			
Drawn	Date	Scale	Project Number
Author		1 : 250	A3 A17041
Review	Date	Project Leader	Date
Checker		Designer	
PRELIMINARY			Drawing Number SK 105

Contractor shall check and verify all levels and dimensions on site and report any discrepancies to the Superintendent before undertaking any work or stop drawings.





**WATER AND SEWERAGE NETWORK  
FAILS TO COMPLY**

The design depicted in this document is not accepted because it fails to comply with conditions listed on the accompanying statement.

Please note: Construction of unapproved works may result in connection to Icon Water's water and sewerage networks being denied and/or action being taken to require the property owner to remove non-compliant services or structures.

Signed Eddie Gonzalez Date 02 Mar 2018

Contact phone: 6248 3111

**Particle size table**

Substance	approximate range of particle diameters (microns)
Rain drops	500 - 5000
Natural mist	60 - 500
Natural fog	2 - 60
Pollens	10 - 100
Ground talc	0.5 - 50
Bacteria	0.3 - 35
Plant spores	10 - 35
Insecticide dusts	0.5 - 10
Stoker fly ash	10 - 8000
Pulverized coal, fly ash	1 - 50
Foundry dusts	1 - 1000
Cement dust	3 - 100
Metallurgical dust	0.5 - 100
Dust damaging to lungs	0.5 - 5
Oil smoke	0.1 - 1.0
Resin smoke	0.01 - 1.0
Tobacco smoke	0.01 - 1.0
Carbon black	0.01 - 0.3
Pigments (paints)	0.1 - 5
Viruses	0.003 - 0.05
Human hair	35 - 200

Rating performance	10 micron	5 micron	1 micron	0.5 micron	0.1 - 0.3 micron	Filter type
G1	90%	60%	20%	0%	0%	pre-filter
G2	96%	75%	30%	10%	0%	pre-filter
G3	97%	85%	45%	25%	0%	pre-filter
G4	98%	92%	58%	35%	5%	pre-filter
F5	98%	97%	70%	45%	20%	secondary
F6	99%	98%	82%	62%	40%	secondary
F7	99.9%	99%	88%	72%	55%	secondary
F8	99.9%	99.9%	97%	88%	78%	secondary
F9	99.99%	99.99%	98%	95%	93%	secondary
H10-H14	100%	100%	100%	100%	99.99%	HEPA
U15-U17	100%	100%	100%	100%	99.9975%	ULPA

For more information on HEPA or ULPA grades please contact your local distributor

Minimum requirement by the ventilation code 1668.2-2012

Proposed filter to all outside air intakes.

**Rudds Consulting Engineers**  
5 Bodalla Place  
FYSHWICK, ACT 2609  
Tel: (02) 6240 2900  
Fax: (02) 6290 9951  
Email: firstname.surname@rudds.com.au  
Web: www.rudds.com.au  
ABN 16 054 221 182

Rev	Amendment	Date	Int



Addresses: Alice Springs | Canberra | Darwin | Hobart | Melbourne | Perth  
150 Wakefield Street, Adelaide SA 5000 P: (08) 6236 2900 | E: info@arpom.com.au

MITCHELL CHILDCARE CENTRE  
BLOCK 18, SECTION 11 CORNER DARLING & HEFFERNAN STREET, MITCHELL, ACT

**SECOND FLOOR PLAN**

Drawn	Date	Scale	Project Number
Author		As indicated	A3
Review	Date	Project Leader	Date
Checker		Designer	
PRELIMINARY			Drawing Number
			SK 104
			And

Contractor shall check and verify all levels and dimensions on site and report any discrepancies to the Superintendent before undertaking any work or shop drawings



**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [EPD\\_Customer\\_Services](#)  
**Subject:** Icon Water Application Decision. Application - 167621. Mitchell - 18/11 (Email 6 of 11)  
**Date:** 2 March 2018 8:50:36 AM  
**Attachments:** [NOISE-201733198-01\\_Part2.pdf](#)  
[NOISE-201733198-01\\_Part3.pdf](#)  
[OFFSITWORKS-201733198-01#2.pdf](#)

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## Icon Water

### Approval ID : 167621, Mitchell 18 /11

Your application has been assessed against Icon Water's water and sewerage network access and asset protection requirements.

Please find attached an Icon Water DECISION STATEMENT together with your stamped plans.

A failure to comply with decision statement conditions will invalidate the approval and will expose the land-holder to prosecution under the Utilities Act 2000.

Non-compliant submissions must be rectified and resubmitted to Icon Water for approval prior to construction commencing. A decision to proceed with construction using unapproved drawings will expose the land-holder to prosecution under the Utilities Act 2000.

Please note: Separate decision statements are required from other utilities (eg: electricity, gas, stormwater and communications)

### Future applications

Icon Water has introduced an online planning application process for obtaining utility clearances prior to submitting a development application or seeking building approval.

This revised application process consists of an electronic form available [here](#). By using the online form applicants will no longer need to complete the respective Water/Sewerage and Electricity/Gas application forms.

When an application is submitted it will be assessed against the water, sewerage, electricity and gas networks.

Icon Water requests that organisations register their details if they regularly submit applications. Registration will reduce the time it takes to lodge an application. To register, send a return email including the organisation's name, a contact name, phone number and email address.

Regards

**Eddie Gonzalez**  
[Building Approvals and Network Protection](#)  
[Icon Water](#)

**Telephone** 02 6248 3111  
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**Email** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
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