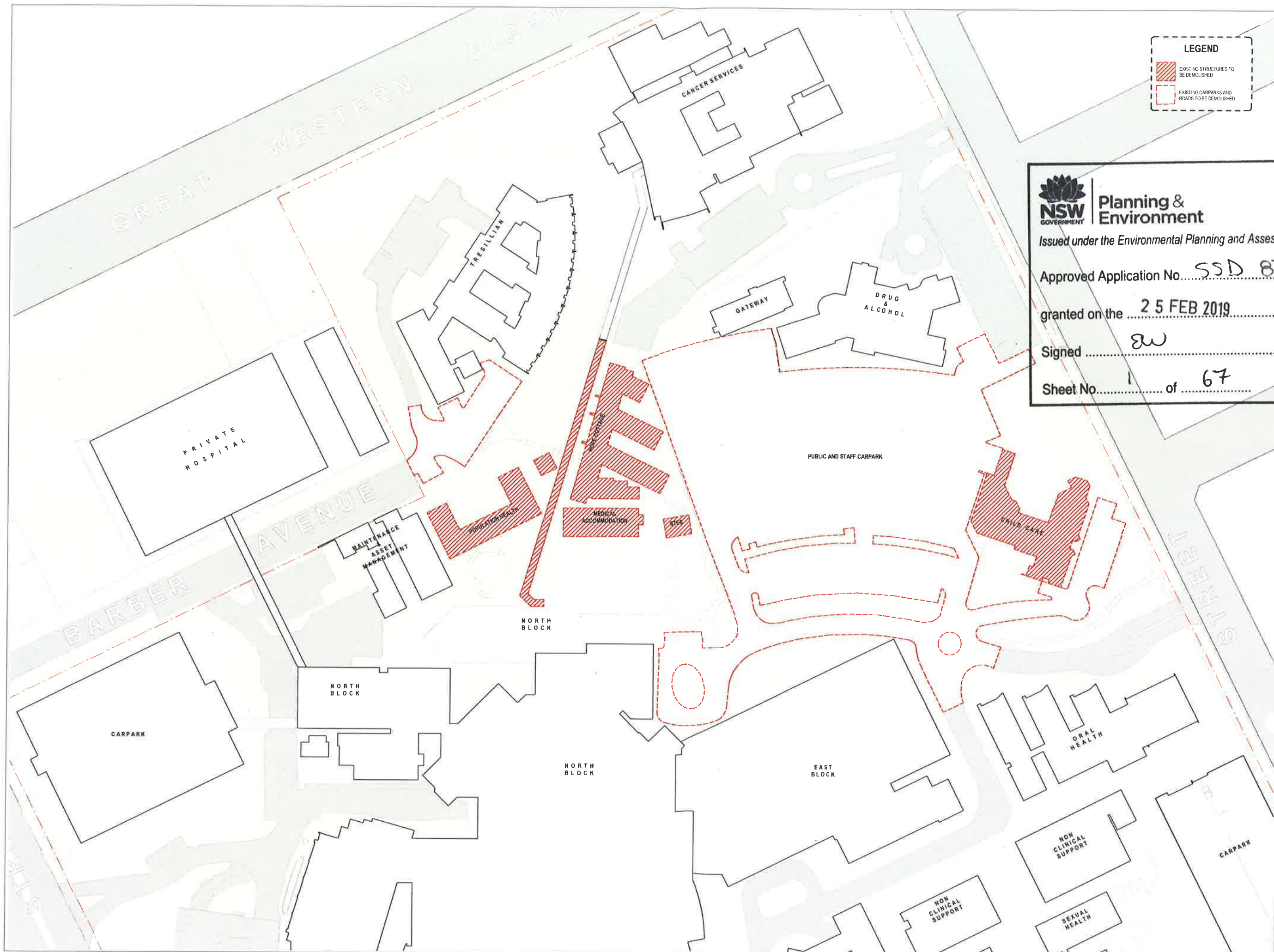




LEGEND

- EXISTING STRUCTURES TO BE DEMOLISHED
- EXISTING CARPARKS AND ROADS TO BE DEMOLISHED



Planning & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed EW

Sheet No. 1 of 67



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ISSUE	DATE	ISSUED BY
A	25/02/19	ISSUED BY SSDA
B	19/11/19	ISSUED BY SSDA

CONSULTANT
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(02) 9247 8400
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CONSULTANT
MBM (02) 9270 1000

CONSULTANT
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PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR
CPB
CONSTRUCTION TYPES



HEALTH INFRASTRUCTURE

CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BMV PROJECT NUMBER

S1607004 INH

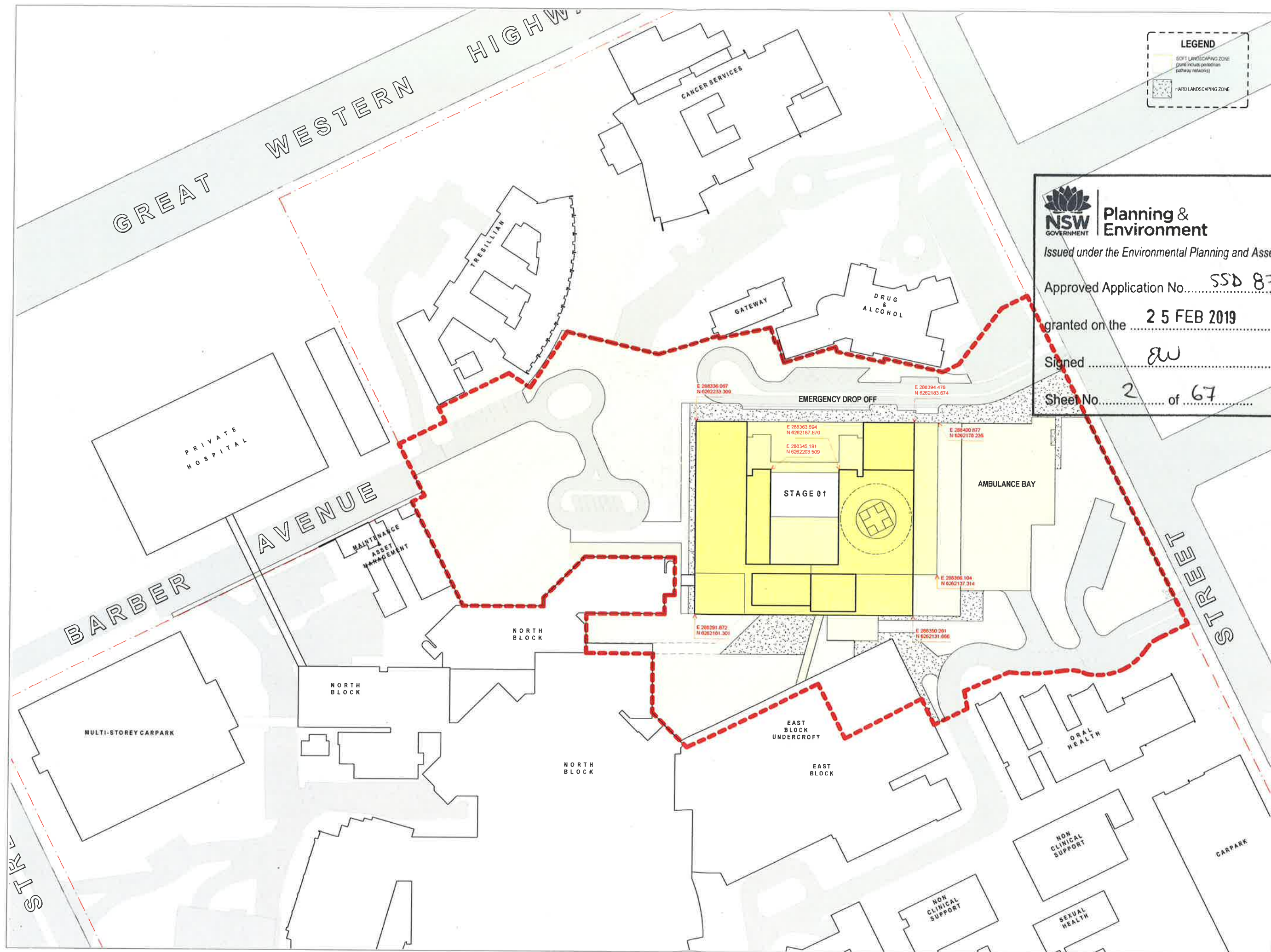


TRUE NORTH PROJECT NORTH
GRAPHIC SCALE
0 10000 20000
SCALE
1: 50000
STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION

DRAWING

DEMOLITION PLAN
NHR-BMV-AR-K-DWG
A0 - 106
ISSUE
B



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B	2019/02/25	ISSUED BY SSDA



Planning & Environment

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Approved Application No. SSD 8766

granted on the 25 FEB 2019

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Sheet No. 2 of 67

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CBRE

MANAGING CONTRACTOR
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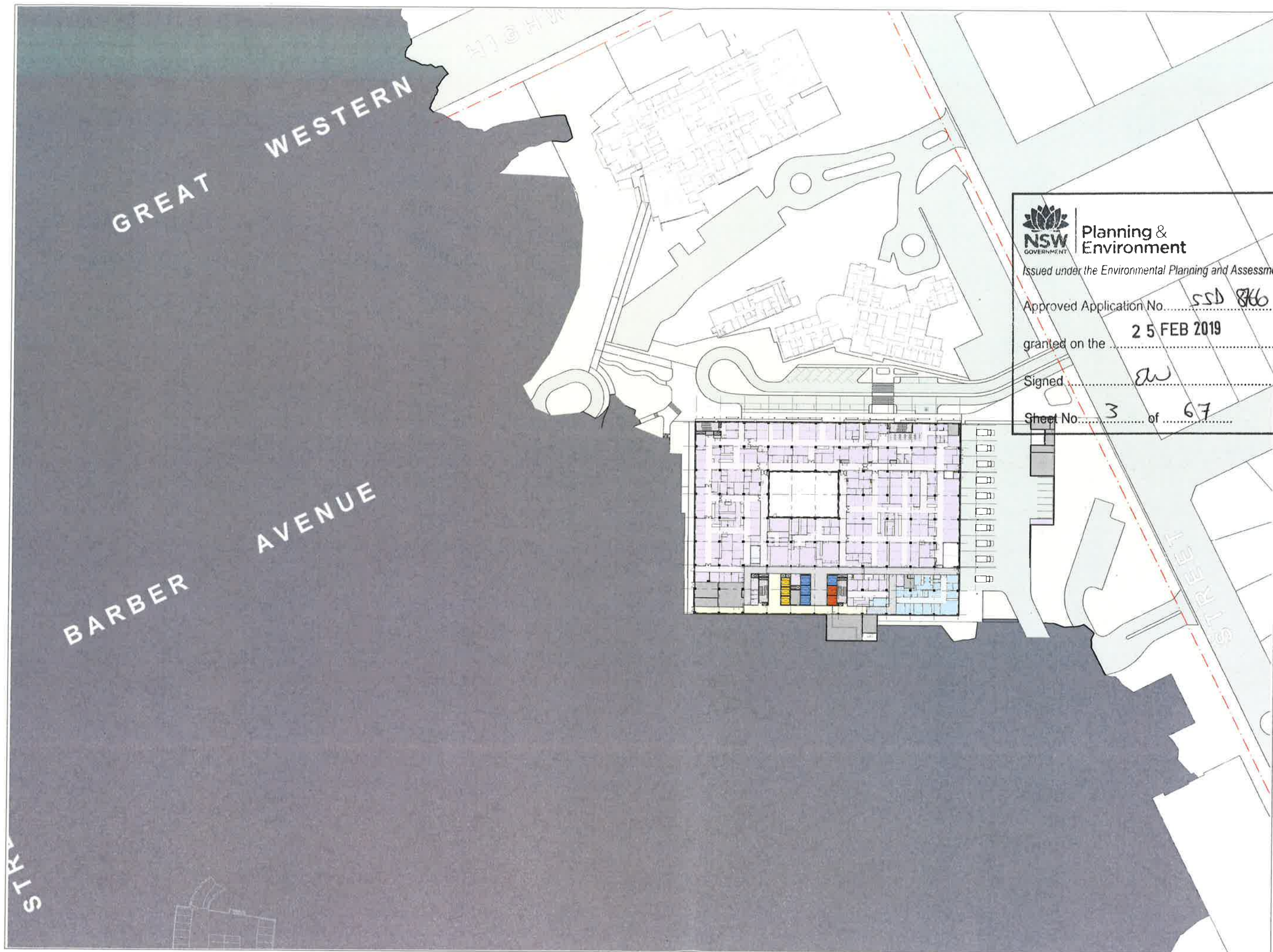
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ISSUE DATE FOR

0 14/11/18 Issue 1/18



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Sheet No. 3 of 67

CONSULTANT

BONACCI GROUP PTY LTD

(02) 8247 8400

CONSULTANT

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(02) 9967 2200

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(02) 9211 7777

PROJECT MANAGER

CBRE

(02) 9333 3333

MANAGING CONTRACTOR

CPB

CLIENT

NSW Health Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN

DERBY ST

KINGSWOOD NSW 2747

BVN PROJECT NUMBER

S1507004 INH

DRAWING KEY

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

SCALE

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DO NOT SCALE

STATUS

DEVELOPMENT APPLICATION

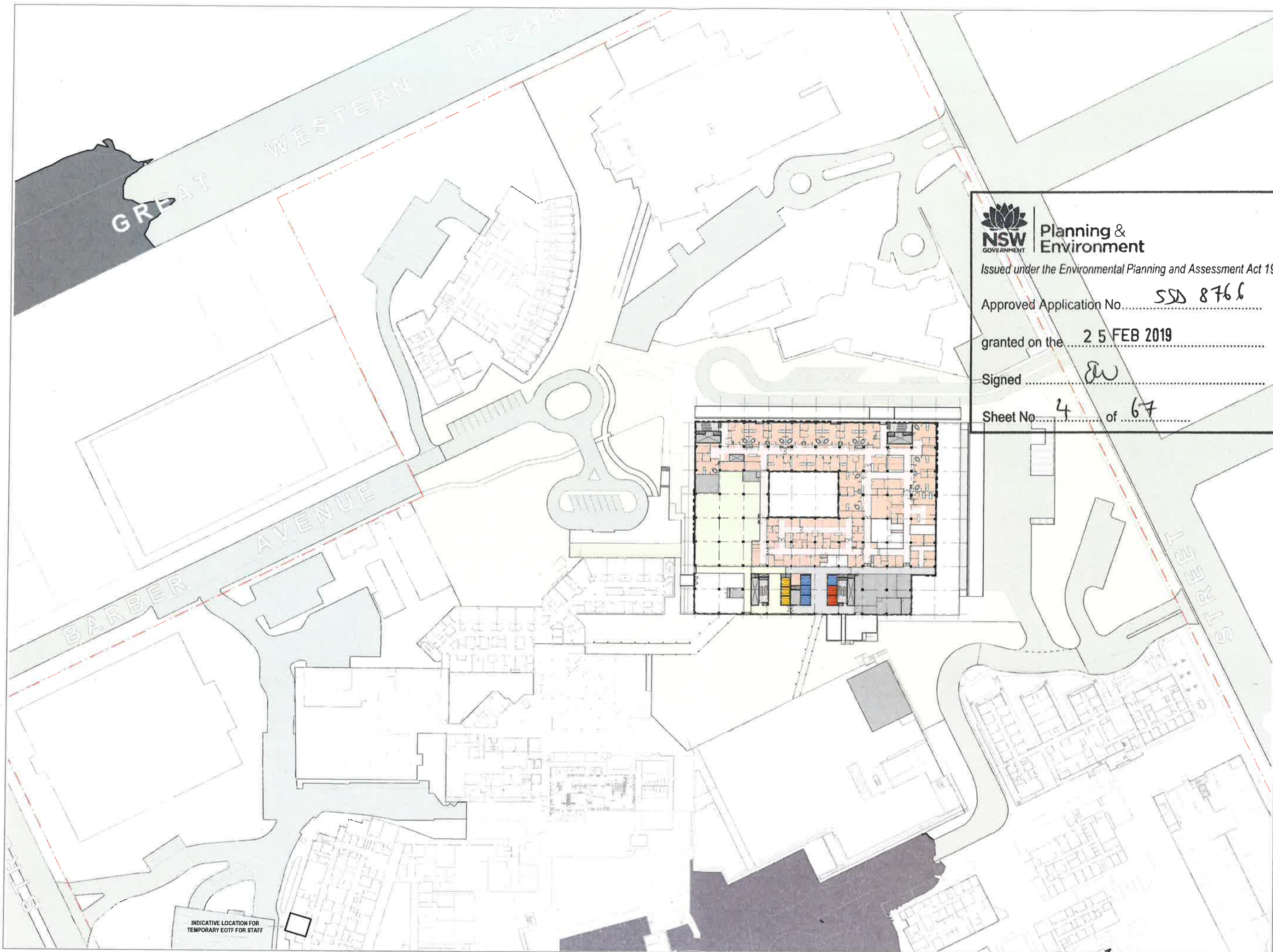
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LV 00 FLOOR PLAN

NHR-BVN-AR-K-DWG

A0 - 200

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NOTE

Consultation with the public and other stakeholders is required for the preparation of the final proposal. The public consultation period is from 10/02/2019 to 10/03/2019.

ISSUE DATE FOR

10/02/2019 10/03/2019



Planning & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed [Signature]

Sheet No. 4 of 67

CONSULTANT

BONACCI GROUP PTY LTD

(02) 8247 8400

CONSULTANT

STEENSEN VARMING

(02) 9567 2200

CONSULTANT

WARREN SMITH & PARTNERS

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CONSULTANT

MBM (02) 9270 1000

CONSULTANT

BLACKETT MAGUIRE AND GOLDSMITH

(02) 9211 7777

PROJECT MANAGER

CBRE

(02) 9333 3333

MANAGING CONTRACTOR

CPB

CLIENT

NSW Health Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN

DERBY ST

KINGSWOOD NSW 2747

BVM PROJECT NUMBER

S1607004 INH

DRAWING KEY

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

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STATUS

DO NOT SCALE

DEVELOPMENT APPLICATION

DRAWING

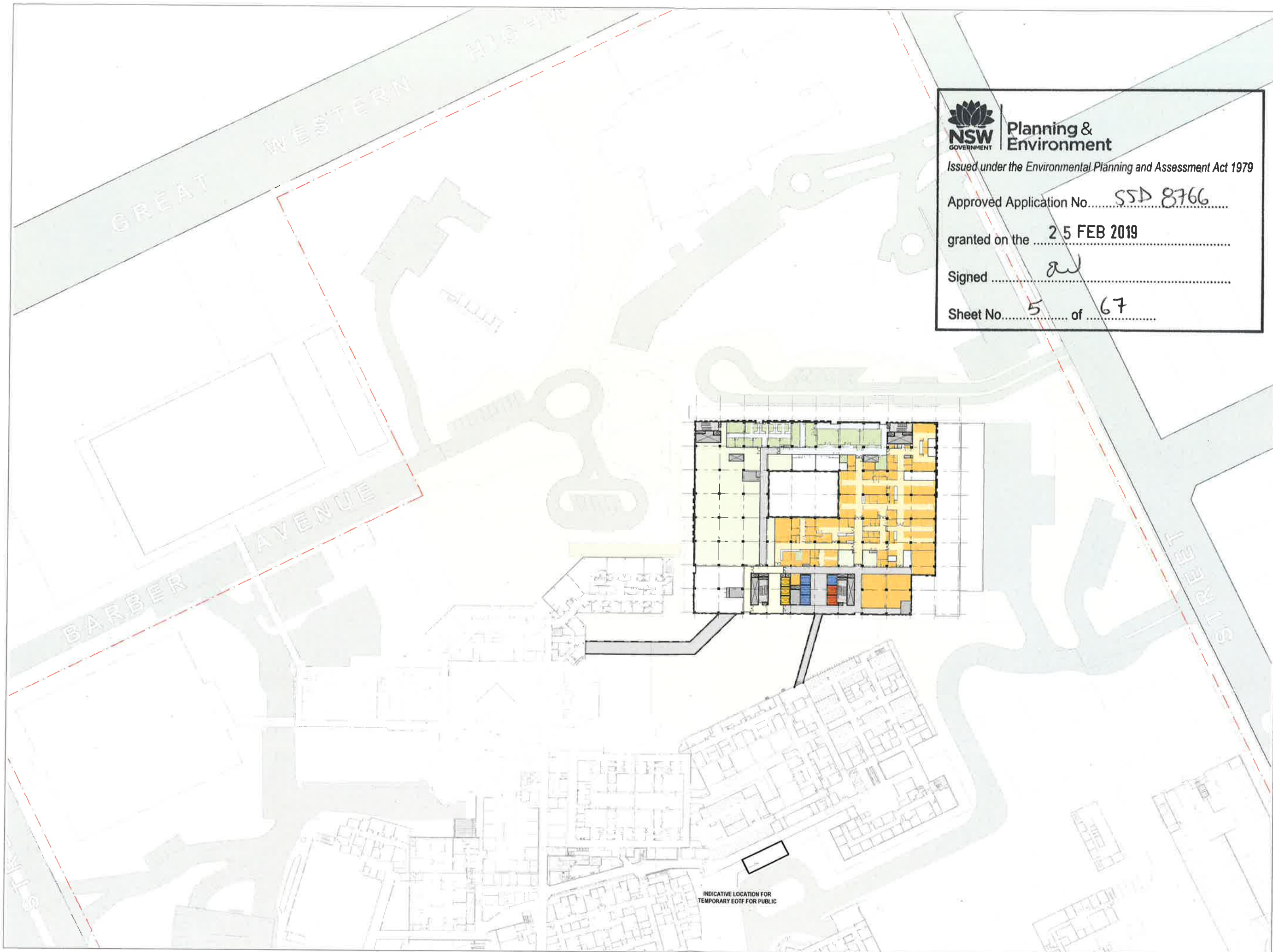
LV 01 FLOOR PLAN

NHR-BVM-AR-K-DWG

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ISSUE

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Planning & Environment

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Approved Application No. SSD 8766

granted on the 25 FEB 2019

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NOTE
OUTDOOR TOILETS ARE NOT TO BE CONSIDERED AS A DEVELOPMENT UNDER THE ACT.

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1	2019/02/25	ISSUED FOR SIGNATURE
2	2019/02/25	ISSUED FOR SIGNATURE

CONSULTANT
BONACCI GROUP PTY LTD
(02) 8247 8400
CONSULTANT
STEENSEN VARMING
(02) 9967 2200
CONSULTANT
WARREN SMITH & PARTNERS
(02) 9272 5100
CONSULTANT
MBM (02) 9270 1000

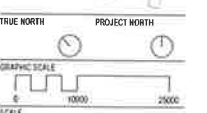
CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR
CPB CONTRACTORS
CLIENT



HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

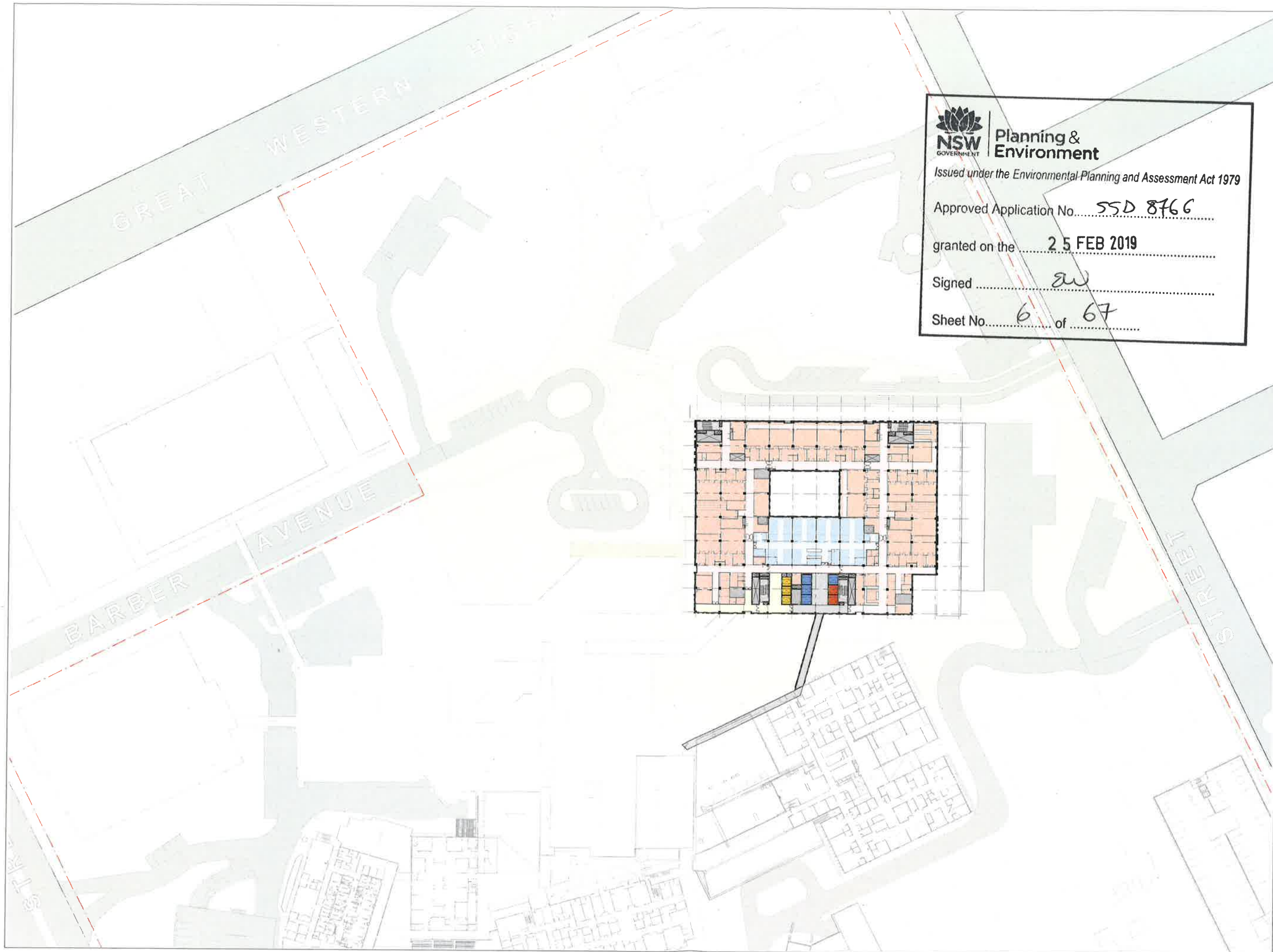
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DERBY ST
KINGSWOOD NSW 2747
BUN PROJECT NUMBER

S1607004 INH
DRAWING KEY



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DEVELOPMENT APPLICATION
DRAWING

LV 02 FLOOR PLAN
NHR-BVN-ARK-DWG
A0-202
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**Planning &
Environment**

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No.....**SSD 8766**

granted on the.....**25 FEB 2019**

Signed.....*EW*

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NOTE
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ISSUE	DATE	ISSUED BY	FOR
A	20/02/19	Issued for SDA	
B	14/01/19	Issued for SDA	

CONSULTANT
BONACCI GROUP PTY LTD
(02) 8247 8400

CONSULTANT
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CONSULTANT
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PROJECT MANAGER
CBRE
(02) 9333 3333

MANAGING CONTRACTOR

CLIENT

**Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

S1607004 INH
DRAWING KEY



TRUE NORTH **PROJECT NORTH**

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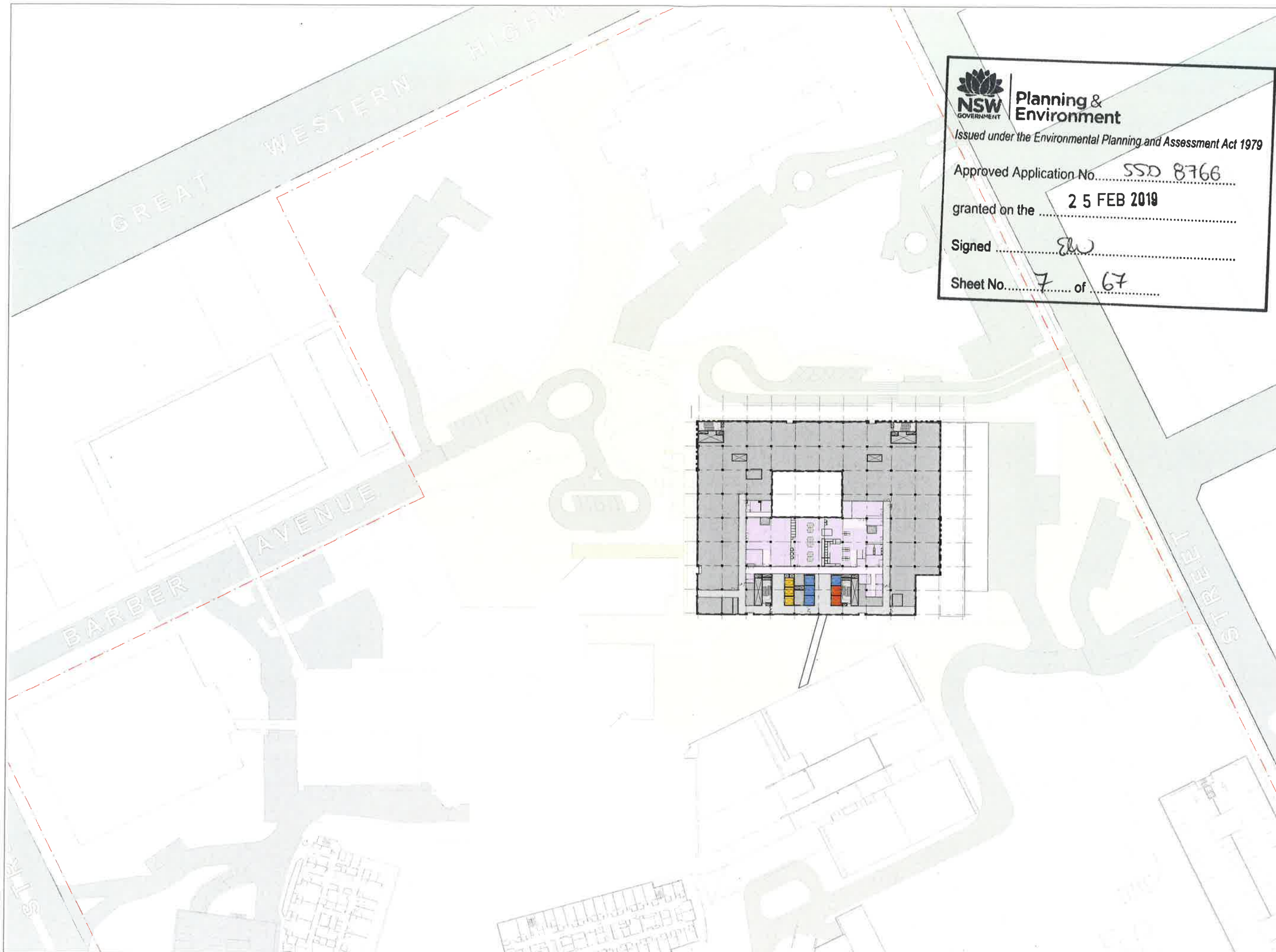
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STATUS

DEVELOPMENT APPLICATION
DRAWING

LV 03 FLOOR PLAN

ISSUE
NHR-BVN-AR-K-DWG
A0 - 203
B



Planning & Environment

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Approved Application No. **SSD 8766**

granted on the **25 FEB 2019**

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ISSUE	DATE	FOR
A	25/02/19	Issued by SSDA
B	19/02/19	Issued by SSDA

CONSULTANT
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CONSULTANT
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CBRE
(02) 9333 3333
MANAGING CONTRACTOR



CLIENT
NSW Health Infrastructure
CLIENT NUMBER

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

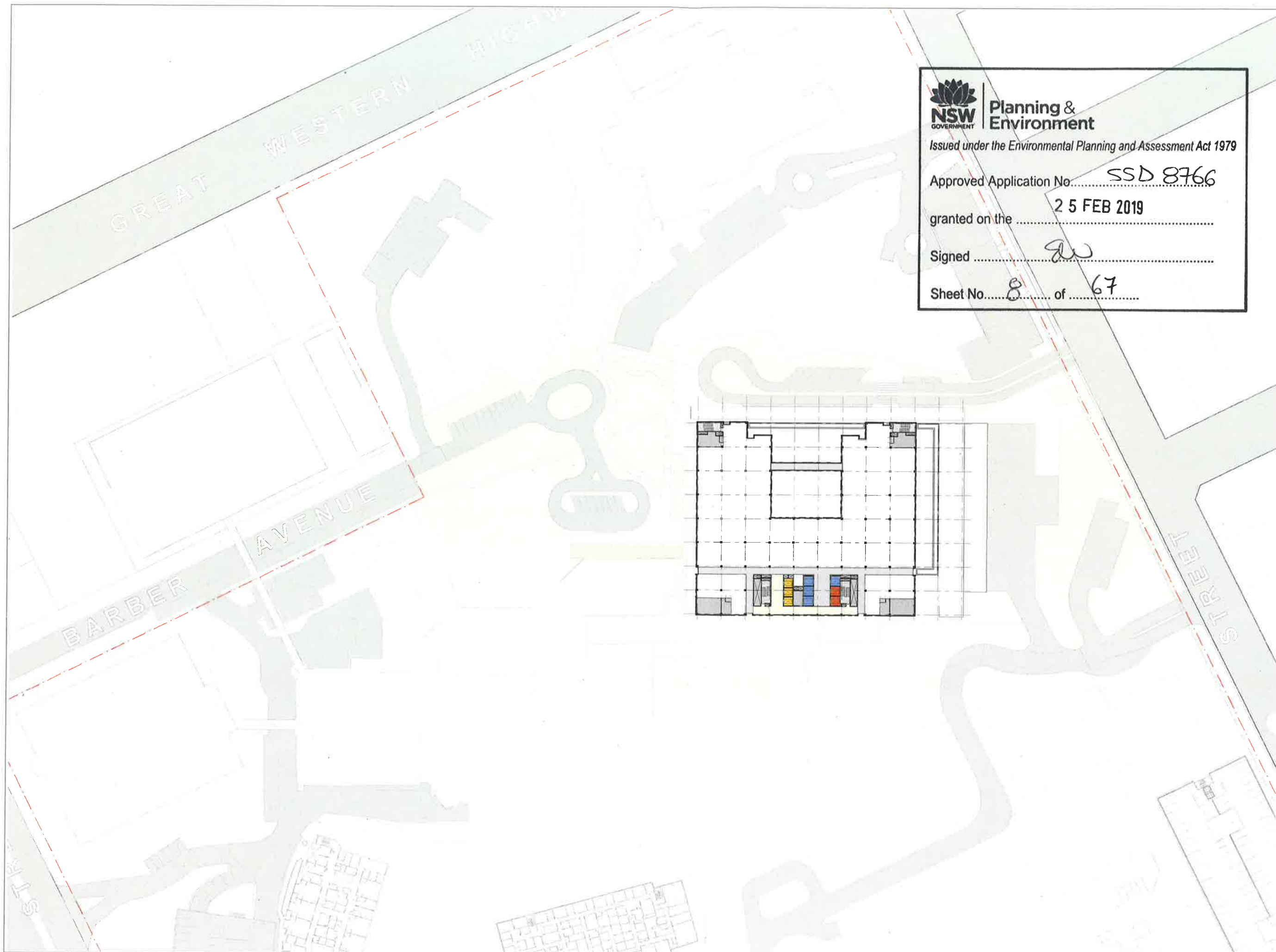
S1607004 INH
DRAWING KEY



TRUE NORTH
PROJECT NORTH
GRAPHIC SCALE
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STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

LV 04 FLOOR PLAN
NHR-BVN-AR-K-DWG
A0 - 204
REV
B



NSW GOVERNMENT | **Planning & Environment**
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8766
granted on the 25 FEB 2019

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REVISION	DATE	BY	FOR
A	28/03/18	Issued by SDA	
B	14/11/18	Issued by SDA	

CONSULTANT
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CONSULTANT
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CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777

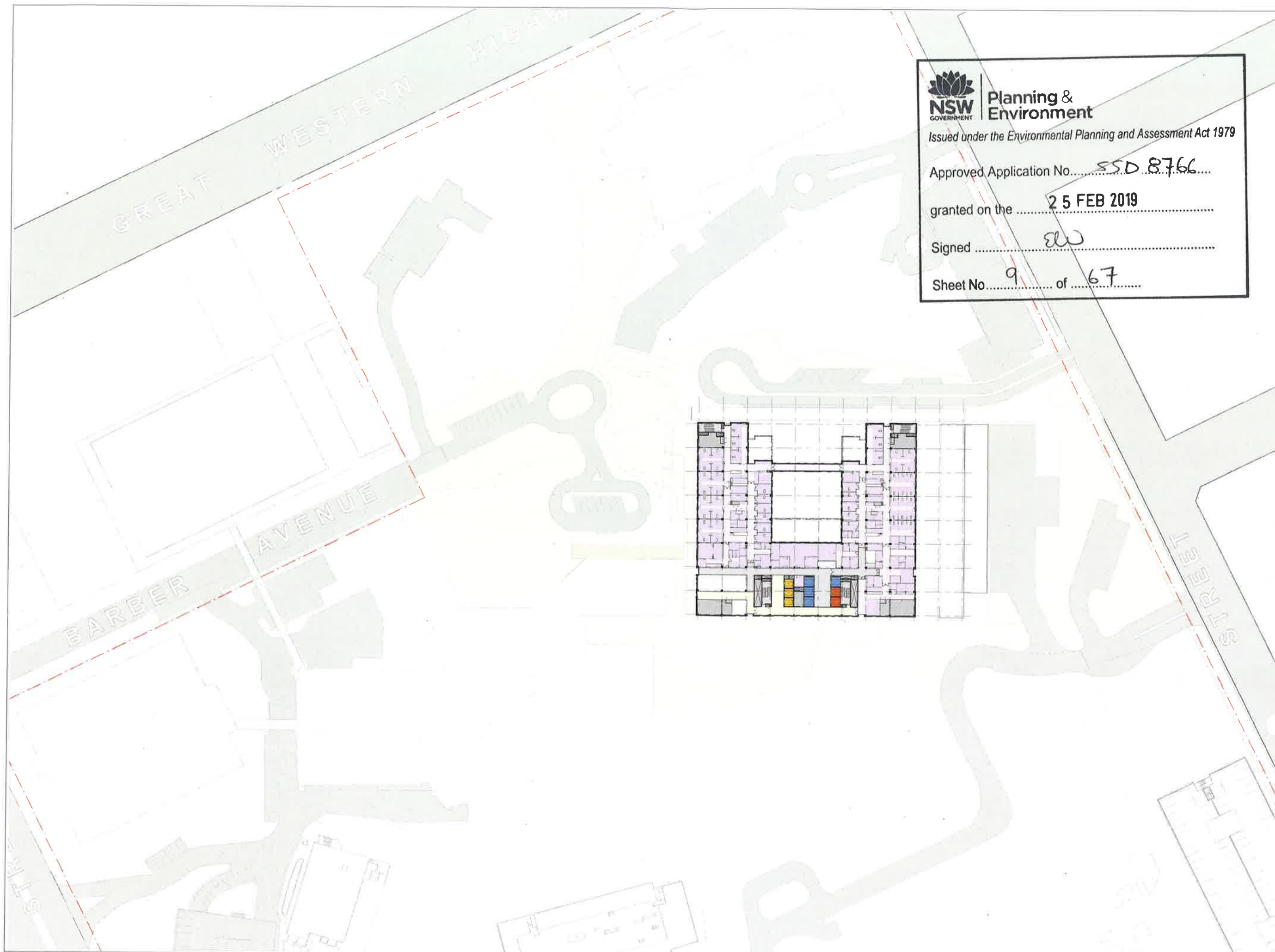
PROJECT MANAGER
CBRE
(02) 9333 3333

MANAGING CONTRACTOR
CPB
CONTRACTORS

CLIENT
NSW Health Infrastructure
CLIENT NUMBER
NHR
PROJECT
NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER
S1607004 INH

DRAWING KEY
TRUE NORTH
PROJECT NORTH
GRAPHIC SCALE
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STATUS
DEVELOPMENT APPLICATION
DRAWING

LV 05 FLOOR PLAN
NHR-BVN-AR-K-DWG
A0 - 205
B



Planning &
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NOTE
Contractor to ensure that all work is completed in accordance with the approved plans and specifications. Any variation to the approved plans and specifications must be approved by the relevant authority before work commences.

ISSUE	DATE	FOR
A	20/02/18	Issue for SSDA
B	18/11/18	Issue for SSDA

CONSULTANT
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CBRE
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MANAGING CONTRACTOR



NSW Health
Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

S1607004 INH
DRAWING KEY



TRUE NORTH **PROJECT NORTH**

GRAPHIC SCALE
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DEVELOPMENT APPLICATION
DRAWING

LV06 FLOOR PLAN
NHR-BVN-AR-K-DWG
A0-206
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B	14/11/18	Issued for SSDA

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BONACCI GROUP PTY LTD
(02) 8247 8400
CONSULTANT
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PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



NSW
GOVERNMENT | Health
Infrastructure

HEALTH INFRASTRUCTURE

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1607004 INH



GRAPHIC SCALE

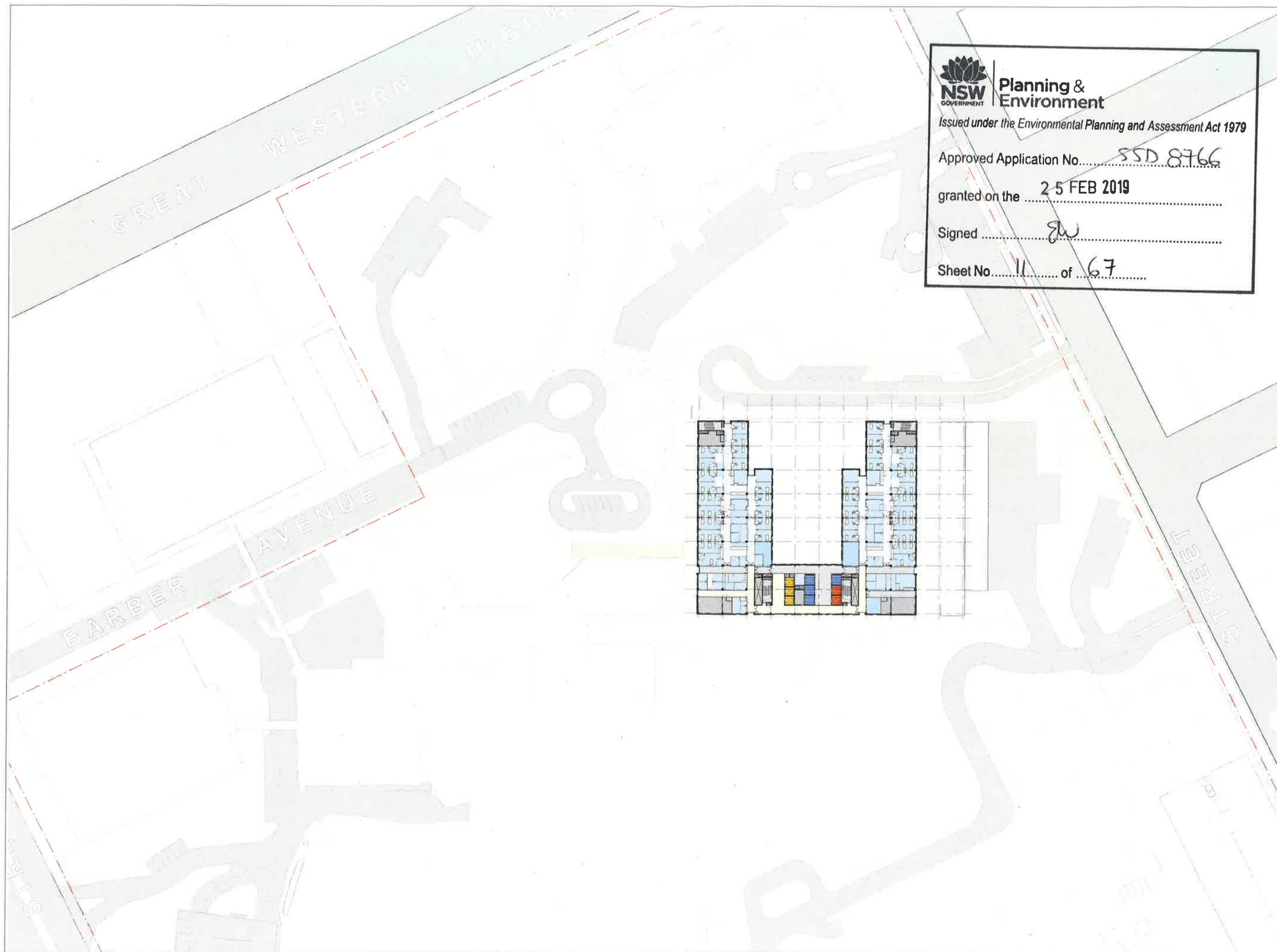
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DEVELOPMENT APPLICATION

LV 07 FLOOR PLAN

HR-EVN-AR-K-DWG	FIGURE
A0 - 207	B



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Approved Application No. SSD 8766

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NOTE
Contractor to comply with all applicable standards and specifications for the construction of the project.

ISSUE	DATE	FOR
A	25/02/19	Issued for SSDA
B	18/03/19	Issued for SSDA

CONSULTANT
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CONSULTANT
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(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



CLIENT



HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVM PROJECT NUMBER

S1607004 INH

DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

SCALE

0 10000 20000

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STATUS

DEVELOPMENT APPLICATION

DRAWING

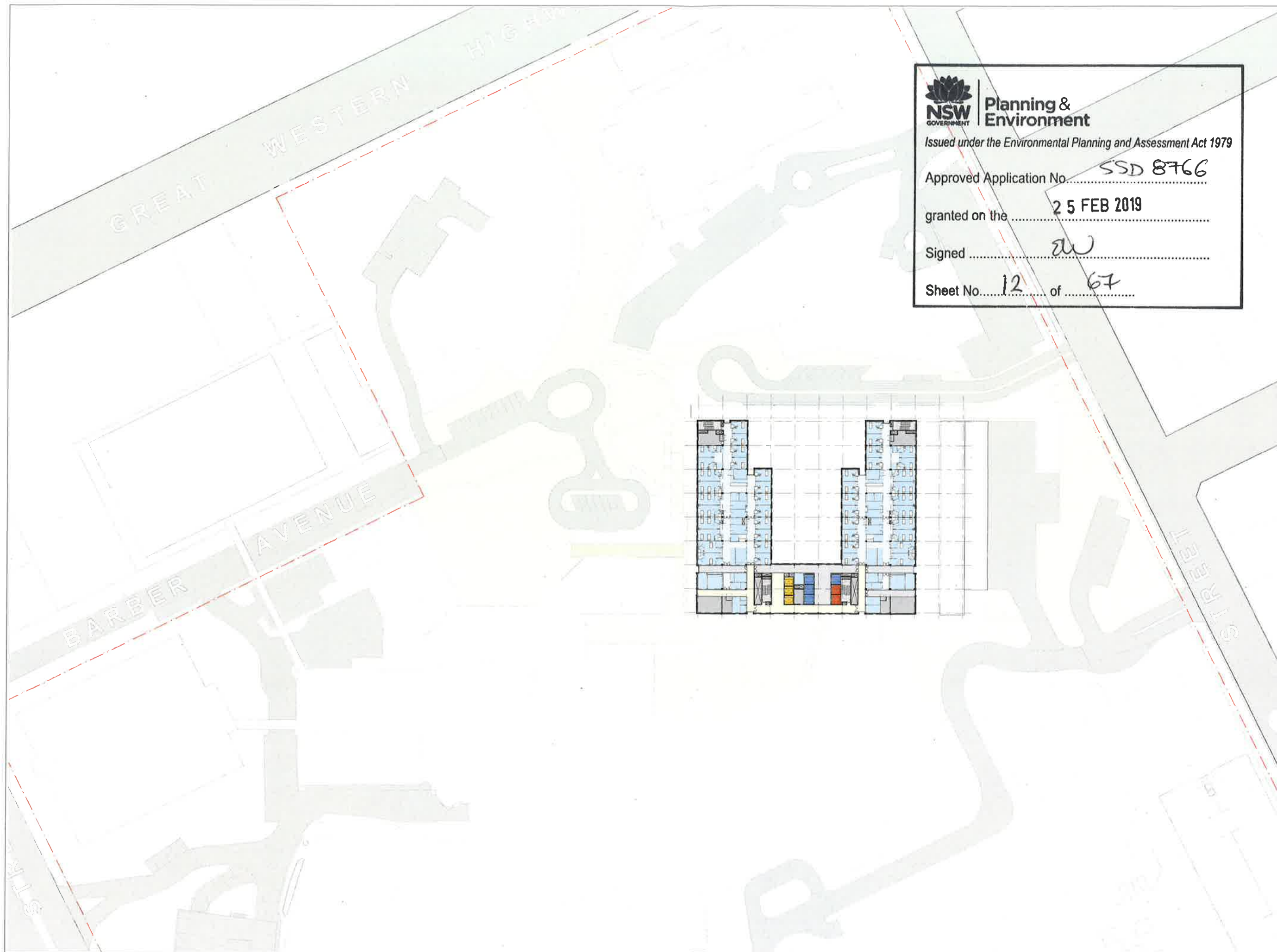
LV 08 FLOOR PLAN

NHR-BVM-AR-K-DWG

A0 - 208

ISSUE

B



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ISSUE DATE FOR

A 20/01/19 Issued by SSDA

B 24/01/19 Issued by SSDA

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BONACCI GROUP PTY LTD
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PROJECT MANAGER
CBRE
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MANAGING CONTRACTOR



CLIENT
NSW Health
Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVM PROJECT NUMBER

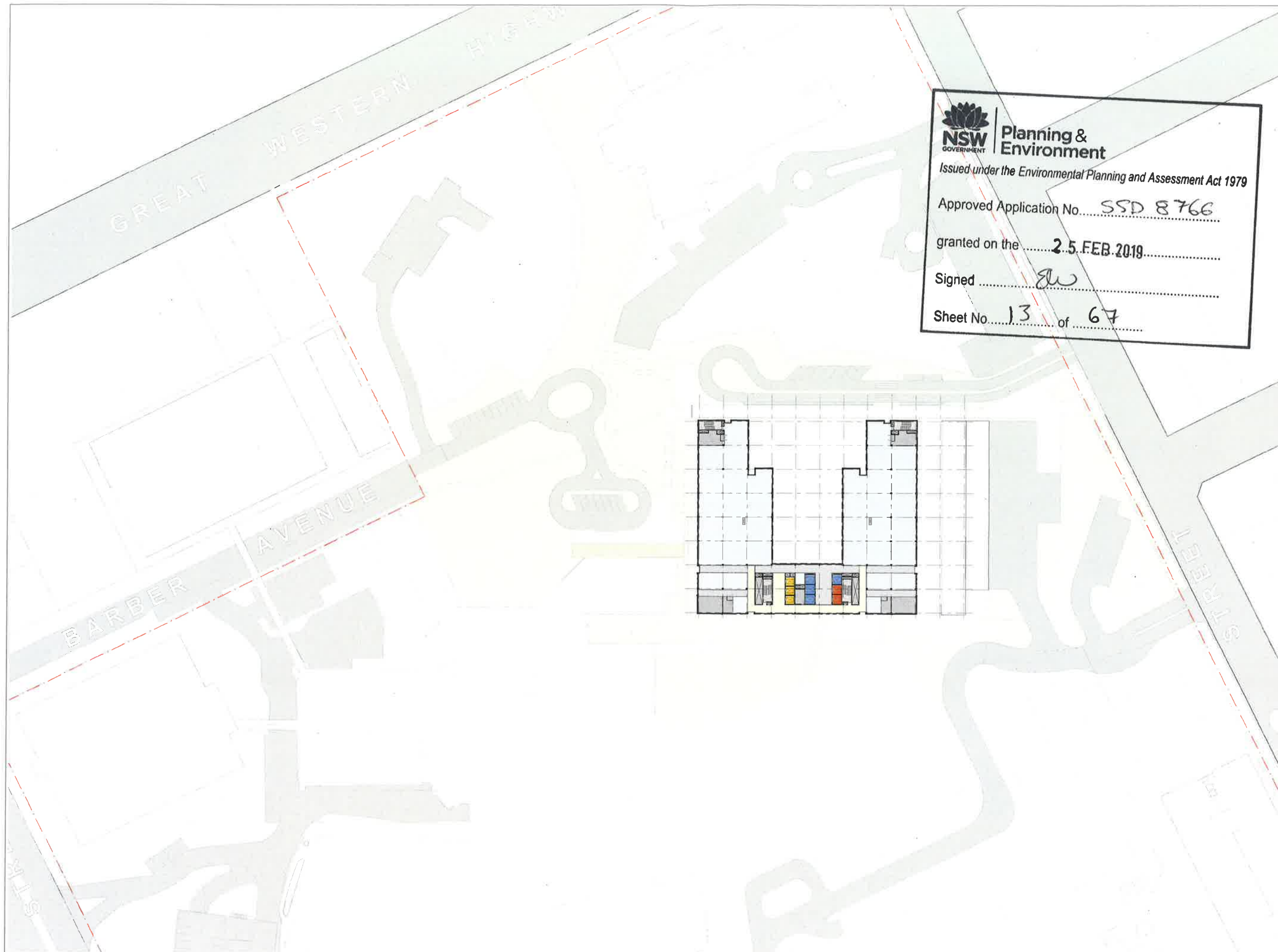
S1507004 INH
DRAWING KEY



TRUE NORTH PROJECT NORTH
GRAPHIC SCALE
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STATUS
DEVELOPMENT APPLICATION
DRAWING

LV 09 FLOOR PLAN
NHR-BVM-AR-K-DWG
A0 - 209
ISSUE
B



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A	2009/10	Issued by SSDA
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BONACCI GROUP PTY LTD
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CONSULTANT
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PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



CLIENT
NSW Health
Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
(N/A) PROJECT NUMBER

S1607004 INH
DRAWING KEY



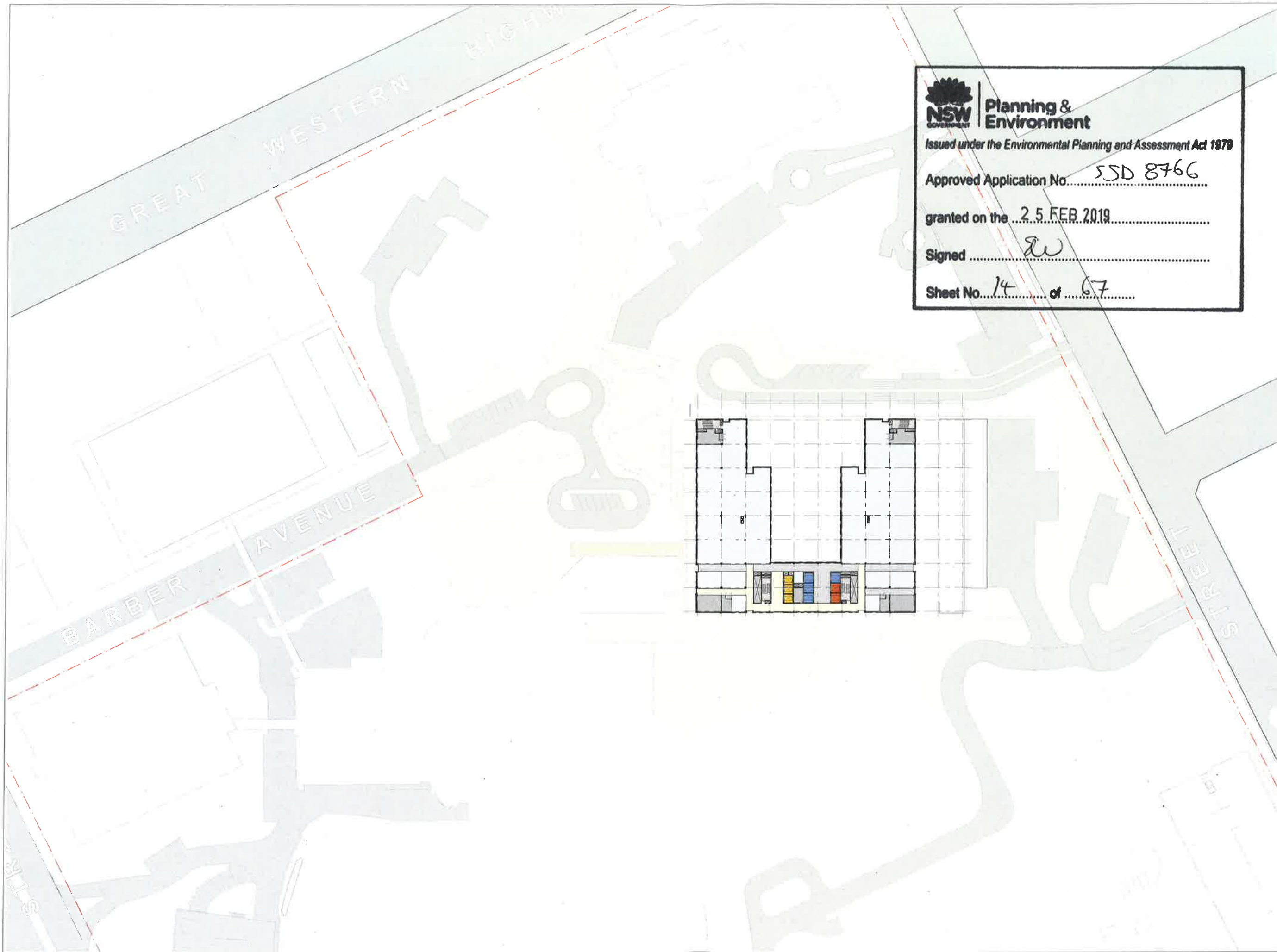
TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
SCALE
0 10000 20000

1:5000
STATUS

DEVELOPMENT APPLICATION
DRAWING

LV 10 FLOOR PLAN
NHR-BVN-AR-K-DWG
A0 - 210
ISSUE
B





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Approved Application No. 550 8766
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B	18/10/18	Issued for SDA

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BONACCI GROUP PTY LTD
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CONSULTANT
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CONSULTANT
WARREN SMITH & PARTNERS
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CONSULTANT
MBM (02) 9270 1000
CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR

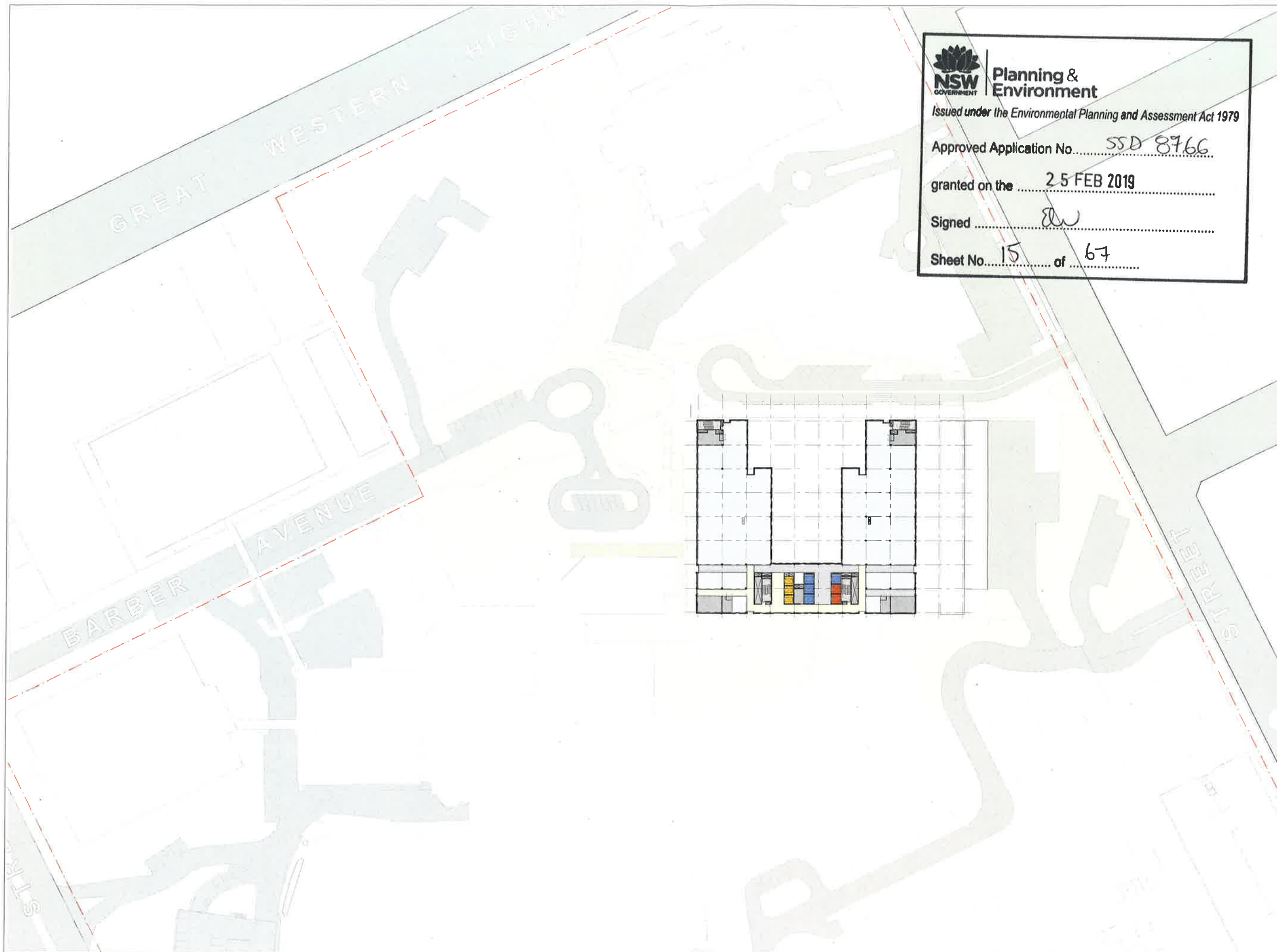
CLIENT

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT
NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BUN PROJECT NUMBER
S1607004 INH
DRAWING KEY

TRUE NORTH **PROJECT NORTH**

GRAPHIC SCALE

SCALE
1:50000
STATUS
DO NOT SCALE
DEVELOPMENT APPLICATION
DRAWING
LV11 FLOOR PLAN
NHR-BUN-AR-K-DWG
A0-211
SCALE
B



Planning & Environment

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B	24/04/19	Issued for SIDA

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BONACCI GROUP PTY LTD
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CONSULTANT
MBM (02) 9270 1000

CONSULTANT
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(02) 9211 7777
PROJECT MANAGER
CBRE
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MANAGING CONTRACTOR



HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

BVN PROJECT NUMBER

S1607004 INH

DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

0 10000 25000

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STATUS

DO NOT SCALE

DEVELOPMENT APPLICATION

DRAWING

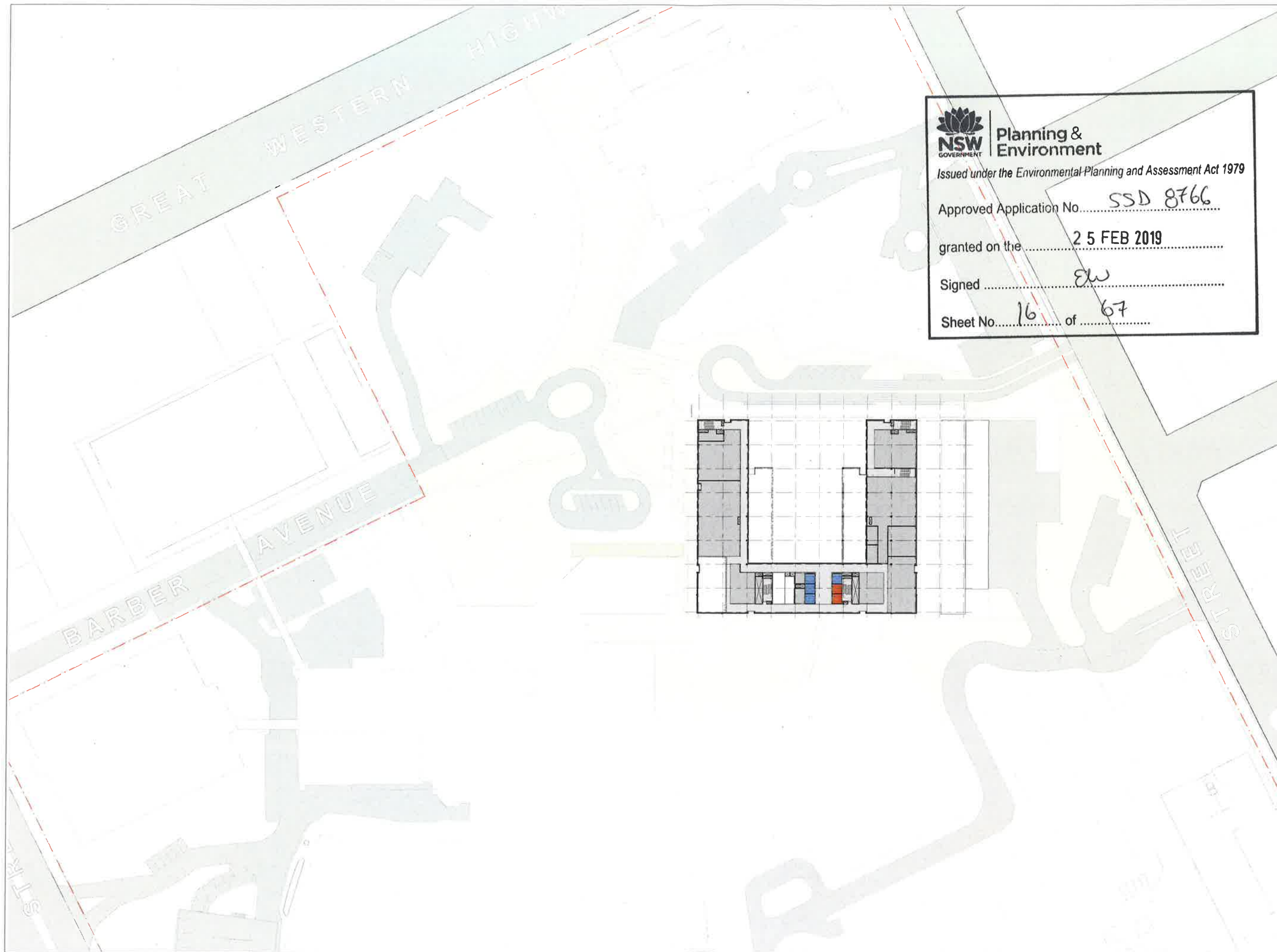
LV12 FLOOR PLAN

NHR-BVN-AR-K-DWG

A0-212

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B



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B	14/05/18	Issued for SSDA

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(02) 8247 8400

CONSULTANT
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CONSULTANT
MBM (02) 9270 1000

CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777

PROJECT MANAGER
CBRE

(02) 9333 3333

MARKING CONTRACTOR



CLIENT



HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR

PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

SVN PROJECT NUMBER

S1607004.NH

DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

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STATUS

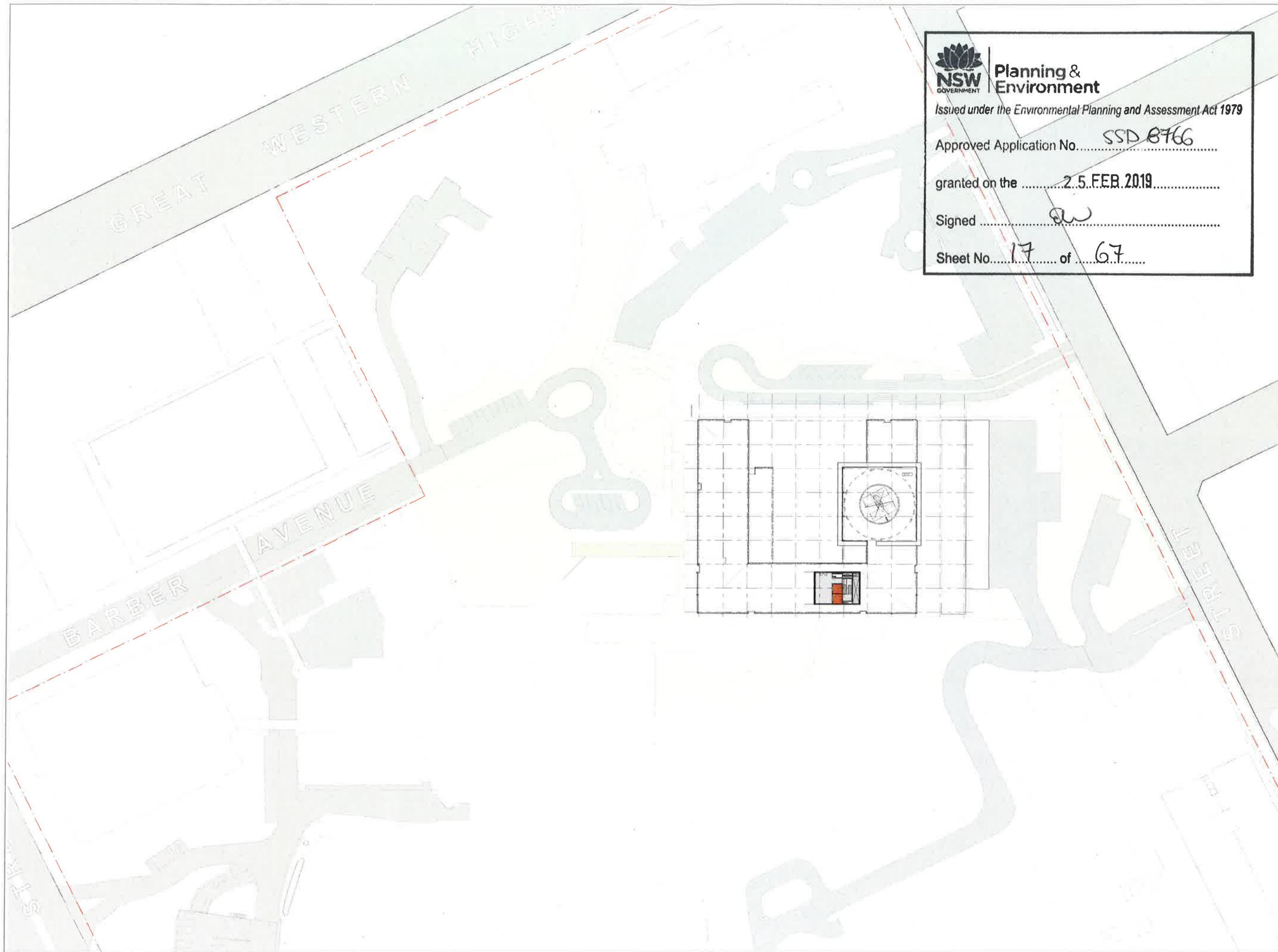
DEVELOPMENT APPLICATION

DRAWING

LV 13 FLOOR PLAN

NHR-BN-AR-X-DWG
A0 - 213

ISSUE
B



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NOTE

Consultants are to advise the client of any changes to the design or construction of the project that may affect the environment or the community.

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A	20/05/18	Issued for SSCA
B	16/11/18	Issued for SSCA

CONSULTANT

BONACCI GROUP PTY LTD
(02) 9247 8400

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CONSULTANT

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CONSULTANT

MBM (02) 9270 1000

CONSULTANT

BLACKETT MAGUIRE AND GOLDSMITH
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PROJECT MANAGER

CBRE
(02) 9333 3333

MANAGING CONTRACTOR

CPB
CONSTRUCTORS

CLIENT

NSW Health
Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

PROJECT NUMBER

S1607004 INH

DRAWING KEY

TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

0 10000 20000

SCALE

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STATUS

DO NOT SCALE

DEVELOPMENT APPLICATION

DRAWING

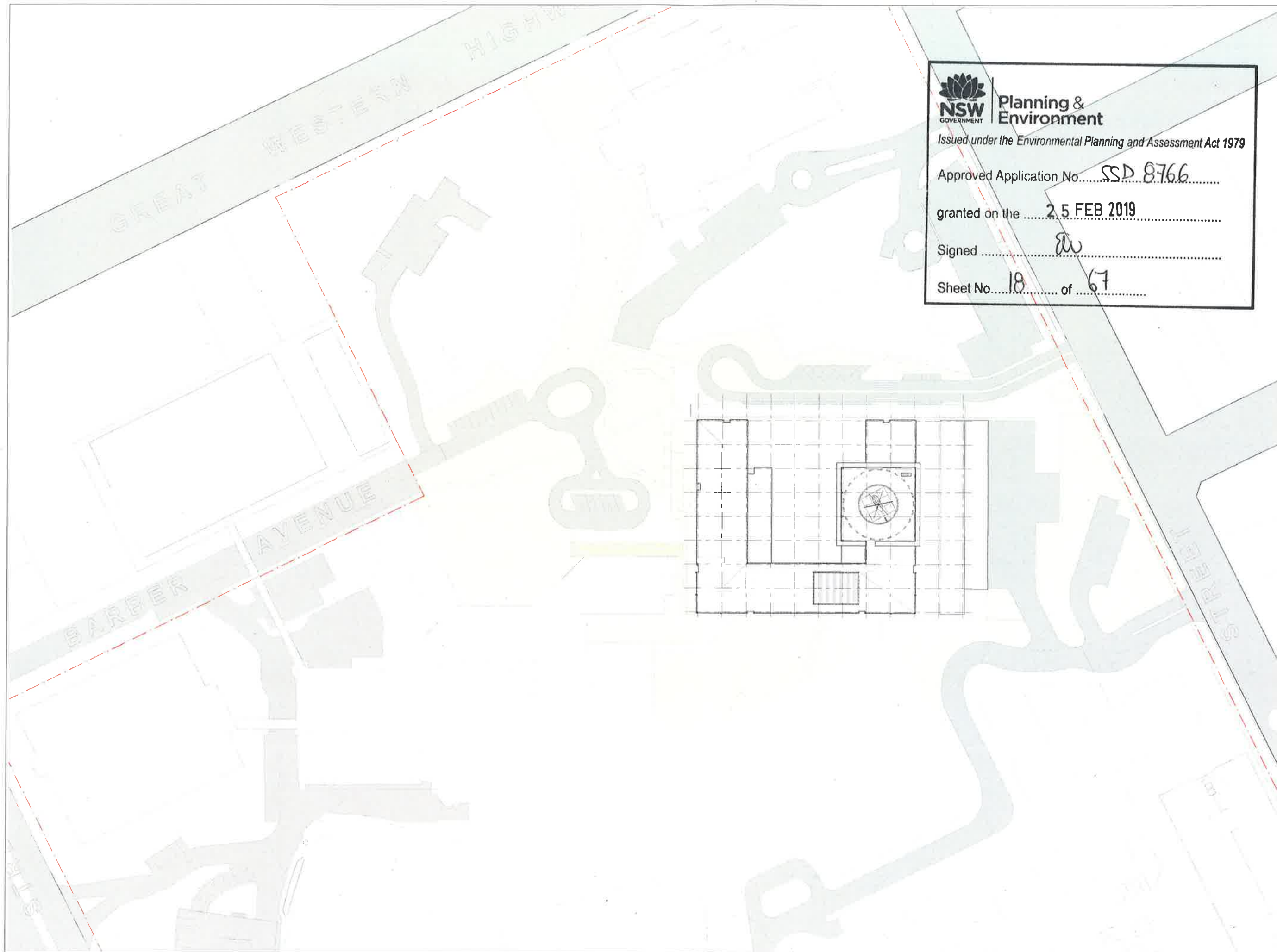
LV 14 FLOOR PLAN

NHR-BWN-AR-K-DWG

A0 - 214

ISSUE

B



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BONACCI GROUP PTY LTD
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CONSULTANT

MBM (02) 9270 1000

CONSULTANT

BLACKETT MAGUIRE AND GOLDSMITH
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PROJECT MANAGER

CBRC

MANAGING CONTRACTOR

CPB

CLIENT

NSW

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN

DERBY ST

KINGSWOOD NSW 2747

BVM PROJECT NUMBER

S1607004 INH

DRAWING KEY

TRUE NORTH

GRAPHIC SCALE

0 1000 2000

SCALE

1:5000

STATUS

DEVELOPMENT APPLICATION

DRAWING

LV 15 ROOF PLAN

NHR-BVM-AR-K-DWG

A0 - 215

ISSUE

B

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CONSULTANT
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CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
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PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR

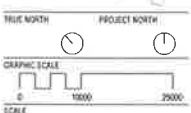


HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
SUBPROJECT NUMBER

S1607004 INH
DRAWING KEY



SCALE
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STATUS
DEVELOPMENT APPLICATION
DRAWING

LV B1 FLOOR PLAN
NHR-BVN-AR-K-DWG
A0 - 216
ISSUE
B



Planning & Environment

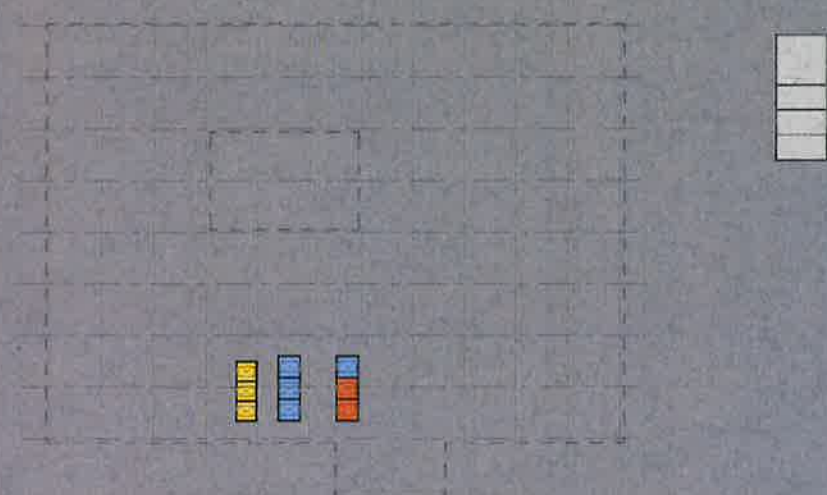
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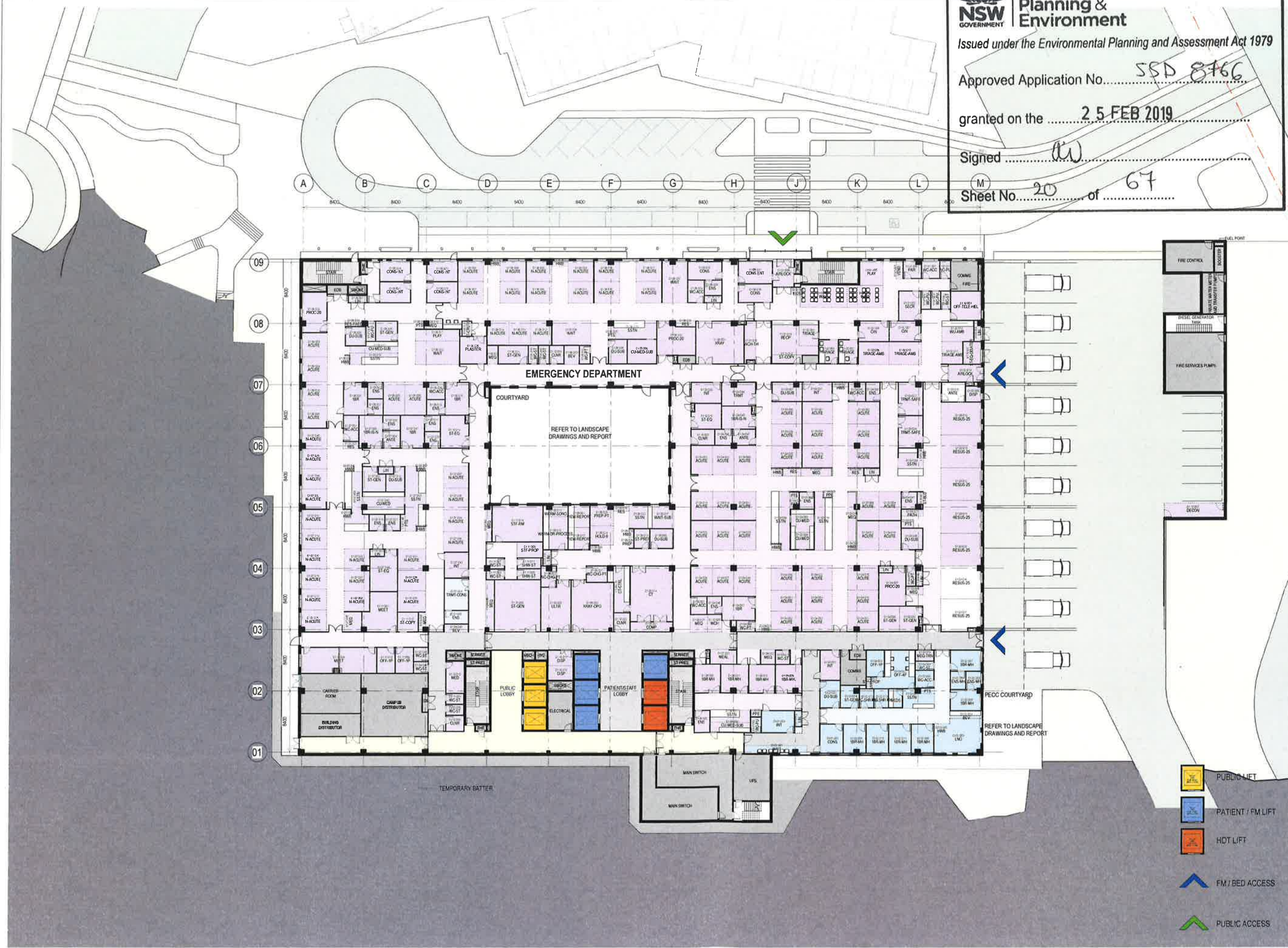
Approved Application No. **SSD 8766**

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Sheet No. **19** of **67**







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A 14/11/18 Issued for SIDA

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CBRE
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MANAGING CONTRACTOR
CPB
CONTRACTOR

NSW Health
Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN

DERBY ST

KINGSWOOD NSW 2747

BVN PROJECT NUMBER

S1607004 INH

DRAWING KEY



TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

SCALE

1:20000

STATUS

DEVELOPMENT APPLICATION

DRAWING

LV 01 GENERAL

ARRANGEMENT

NHR-BVN-AR-K-DWG

A0 - 221

ISSUE

A



TEMPORARY ENCLOSED -
LINK TO EXISTING NORTH
BLOCK

ENCLOSED LINK TO
EXISTING EAST BLOCK



Planning & Environment

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Sheet No. 22 of 67

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MONACCI GROUP PTY LTD
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CONSULTANT
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CONSULTANT
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(212) 921-7777
PROJECT MANAGER
BRE
(212) 9333-3333
MANAGING CONTRACTOR



NSW Health Infrastructure

HEALTH INFRASTRUCTURE

PROJECT

EPEAN
ERBY ST
INGSWOOD NSW 2747

1607004 INH

200@B1 DO NOT SCALE
ATUS

DEVELOPMENT APPLICATION

V 02 GENERAL
ARRANGEMENT

HR.BVN-AR-K-DWG	000
0 - 222	A



TEMPORARY ENCLOSED
LINK TO EXISTING EAST
BLOCK





NSW GOVERNMENT | **Planning & Environment**
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Approved Application No. SSD 8766

granted on the 25 FEB 2019

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- PUBLIC LIFT
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- FM / BED ACCESS
- PUBLIC ACCESS

CONSULTANT
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CONSULTANT
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(02) 8587 2200

CONSULTANT
WARREN SMITH & PARTNERS
(02) 9272 5100

CONSULTANT
MBM (02) 9270 1000

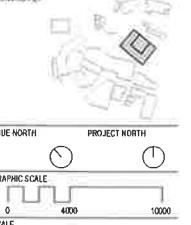
CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777

PROJECT MANAGER
CBRE
(02) 9333 3333

MANAGING CONTRACTOR
CPB CONTRACTORS

NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT
NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVR PROJECT NUMBER
S1607004 INH



DEVELOPMENT APPLICATION
DRAWING
LV 04 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWG
A0 - 224



NSW GOVERNMENT | **Planning & Environment**
Issued under the **Environmental Planning and Assessment Act 1979**
Approved Application No. **SSD 8766**
granted on the **25 FEB 2019**
Signed *[Signature]*
Sheet No. **25** of **67**

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- PATIENT / FM LIFT
- HOT LIFT
- FM / BED ACCESS
- PUBLIC ACCESS

CONSULTANT
BONACCI GROUP PTY LTD
(02) 9247 6400
CONSULTANT
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CONSULTANT
WARREN SMITH & PARTNERS
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CONSULTANT
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CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7177
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR

CPB
CONSTRUCTIONS
CLIENT

NSW GOVERNMENT | **Health Infrastructure**
CLIENT

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

ENVIRONMENTAL PROJECT NUMBER
S1607004 2011

DRAWING KEY



TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
0 5000 10000

SCALE
1:2000

STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
(DRAWING)

LV 05 GENERAL ARRANGEMENT

ISSUE	DATE	FOR
NHR-BVN-AR-K-DWG		
A0 - 225		A



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Approved Application No. SSD 8766

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Sheet No. 26 of 67

-  PUBLIC LIFT
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-  HOT LIFT
-  FM / BED ACCESS
-  PUBLIC ACCESS

CONSULTANT
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CONSULTANT
MBM (02) 9270 1000

CONSULTANT
BLACKETT MUIRHEAD AND GOLDSMITH
(02) 9211 7777

PROJECT MANAGER
CBRE
(02) 9333 3333

MANAGING CONTRACTOR
CPB CONSTRUCTION

NSW Health Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR PROJECT

NEPEAN DERBY ST KINGSWOOD NSW 2747

BVN PROJECT NUMBER

S1607004 INH

DRIVING KEY

TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

SCALE 0 4000 10000

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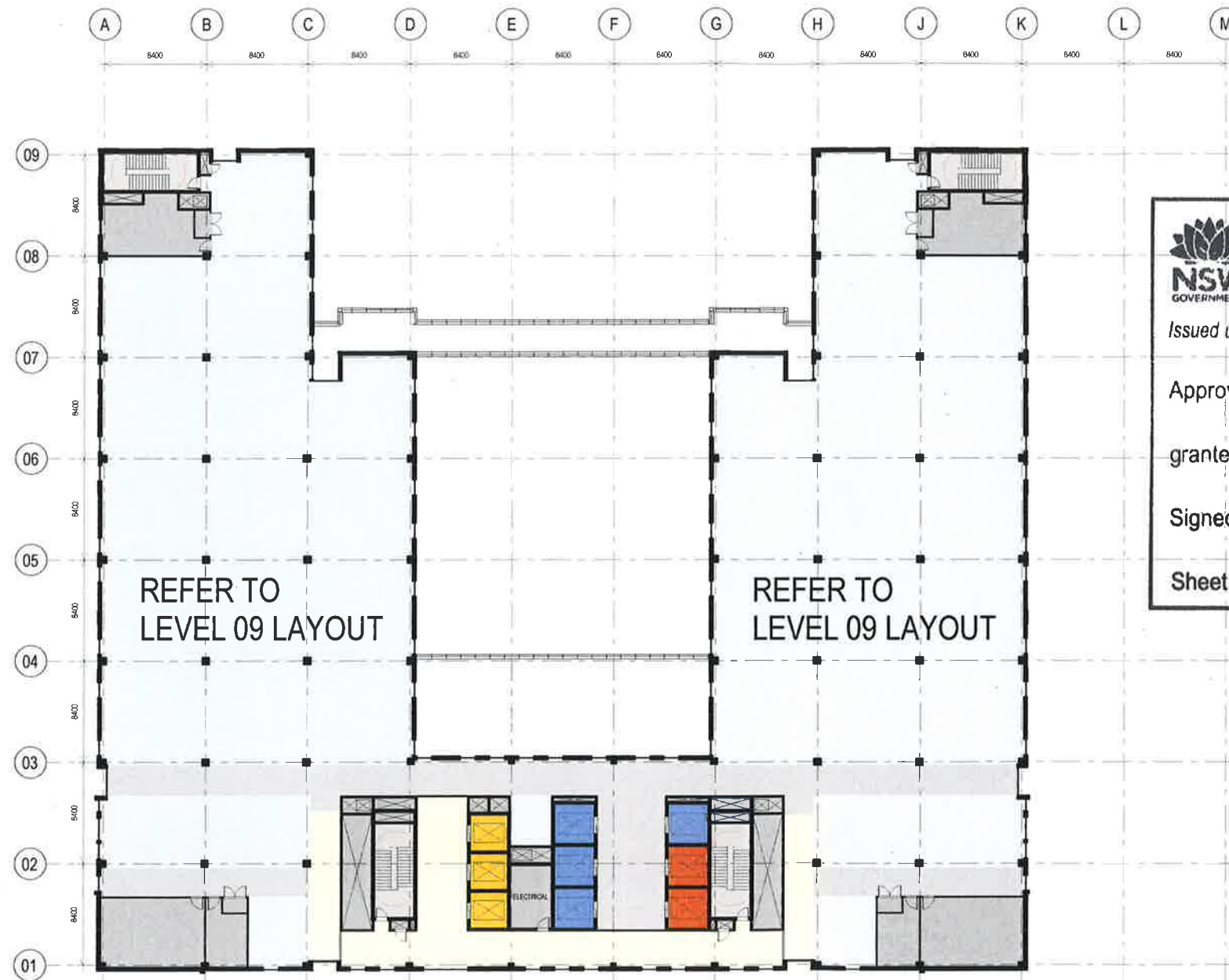
DEVELOPMENT APPLICATION

DRAWING

LV 06 GENERAL ARRANGEMENT

NHR-BVN-AR-K-DWG

A0 - 226 A



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Sheet No. 27 of 67

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-  FM / BED ACCESS
-  PUBLIC ACCESS

CONSULTANT
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BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR

CPB
CONTRACTORS

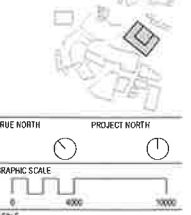
NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
SVR PROJECT NUMBER

S1607004 INH
DRAWING KEY



GRAPHIC SCALE
SCALE
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STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

LV 07 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWS
A0 - 227
ISSUE
A



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MONACCI GROUP PTY LTD
(02) 8247 8400
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BLACKETT MAGUIRE AND GOLDSMITH
02) 9211 7777

021 9333 3333



NSW Health Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER

HR _____
PROJECT _____

WHEPEAN
 DERBY ST
 KINGSWOOD NSW 2747

AVN PROJECT NUMBER

S1607004 INH

READING KEY



RISE NORTH	PROJECT NORTH

GRAPHIC SCALE

2 4000 10000

DO NOT SCALE

DEVELOPMENT APPLICATION

EV08 GENERAL ARRANGEMENT	ISSUE
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HR 8VN-R-K-DWG	
A0-228	A

	PUBLIC LIFT
	PATIENT / FM LIFT
	HOT LIFT
	FM / BED ACCESS
	PUBLIC ACCESS



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- CONSULTANT
BONACCI GROUP PTY LTD
(02) 8247 8400
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CONSULTANT
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PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR

Health
Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

110

NAME _____

MEDEAN

HERBY ST

VERBET ST
 WINGWOOD I

WILKINSWOOD

OWN PROJECT NUMBER

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1607004 INH

READING KEY



PUBLIC LIFT



PATIENT / FM LIFT



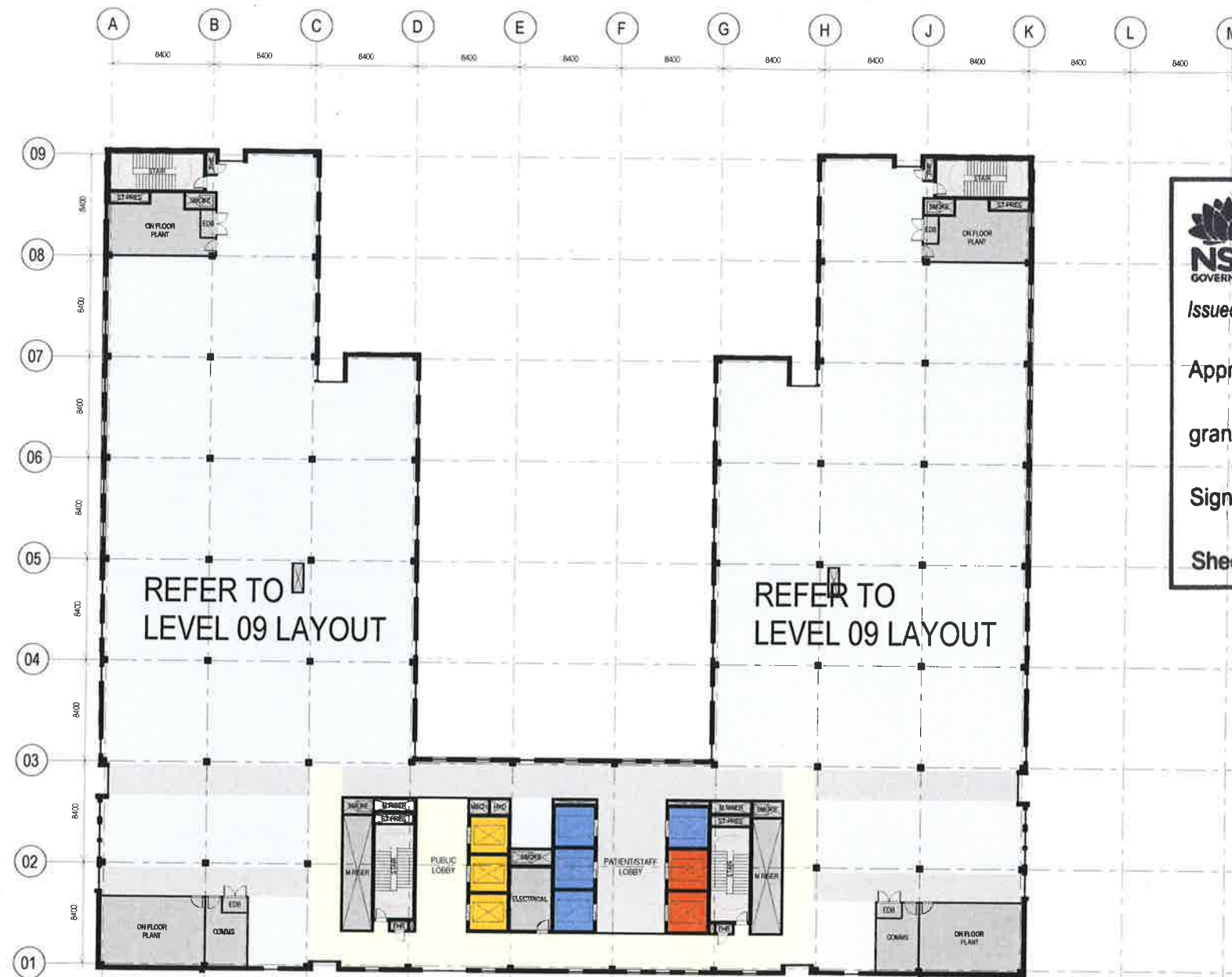
HOT LIFT



FM / BED ACCESS



PUBLIC ACCESS



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-  FM / BED ACCESS
-  PUBLIC ACCESS

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CONSULTANT
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CONSULTANT
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(02) 9211 7777

PROJECT MANAGER
CBRE
(02) 5333 3333

MANAGING CONTRACTOR
CPB CONTRACTORS

CLIENT
NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT
NEPEAN
DERBY ST
KINGSTOWN NSW 2747
BVA PROJECT NUMBER

DRAWING KEY

TRUE NORTH PROJECT NORTH
GRAPHIC SCALE
0 4000 10000
SCALE
1:25000
STATUS
DEVELOPMENT APPLICATION
DRAWING

LV 10 GENERAL ARRANGEMENT
NHR-BVN-AR-K-DWG
A0-230
A



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CONSULTANT
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CONSULTANT
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PROJECT MANAGER
CBRE
(02) 8333 3333
MANAGING CONTRACTOR
CPB
CONTRACTORS

NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVM PROJECT NUMBER

S1507004 INH
DRAWING KEY



TRUE NORTH PROJECT NORTH
GRAPHIC SCALE
0 4000 10000
SCALE
1:2000
STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

LV 11 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWG
A0 - 231
ISSUE
A

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- HOT LIFT
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- PUBLIC ACCESS



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 Sheet No. 32 of 67

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 (02) 9272 5100
CONSULTANT
 MBM (02) 9270 1000

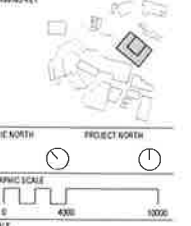
CONSULTANT
 BLACKETT MAGUIRE AND GOLDSMITH
 (02) 9211 7777
PROJECT MANAGER
 CBRE
 (02) 9333 3333
MANAGING CONTRACTOR
CPB
 CONSTRUCTION PROJECTS
 CLIENT

NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
 CLIENT NUMBER
 NHR
 PROJECT

NEPEAN
 DERBY ST
 KINGSWOOD NSW 2747
 BVN PROJECT NUMBER

S1607004 INH
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1:20000
 STATUS
 DEVELOPMENT APPLICATION
 DRAWING

LV 12 GENERAL
 ARRANGEMENT
 NHR-BVN-AR-K-DWG
 A0-232
 ISSUE
 A



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- PUBLIC ACCESS

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MANAGING CONTRACTOR
CPB CONTRACTORS

CLIENT
NSW Health Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

BVN PROJECT NUMBER
S1607004 INH

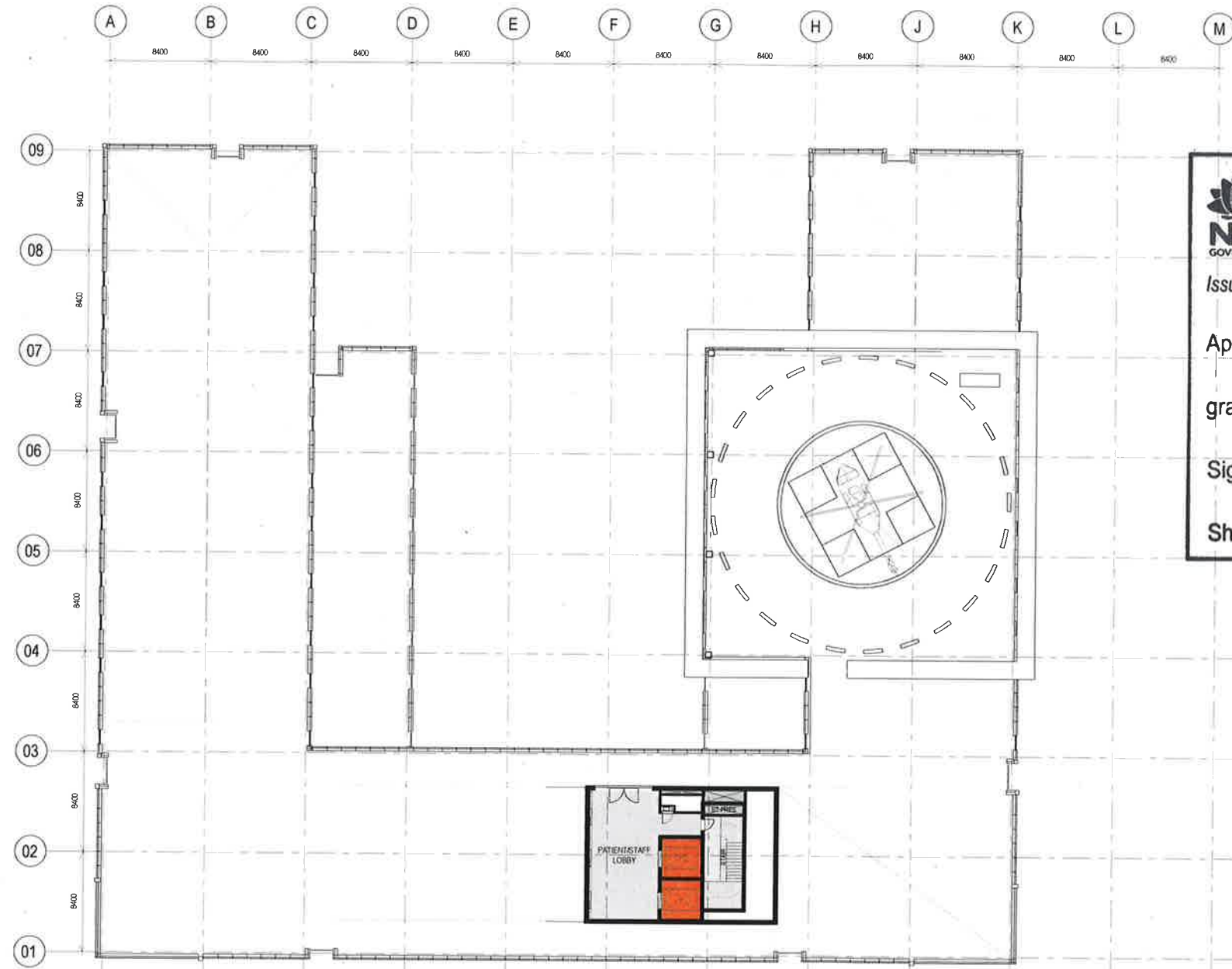
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DEVELOPMENT APPLICATION
DRAWING

LV 13 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWG
A0-233

ISSUE
A



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Sheet No..... **34** of **67**

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CONSULTANT
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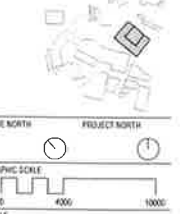
CONSULTANT
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(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

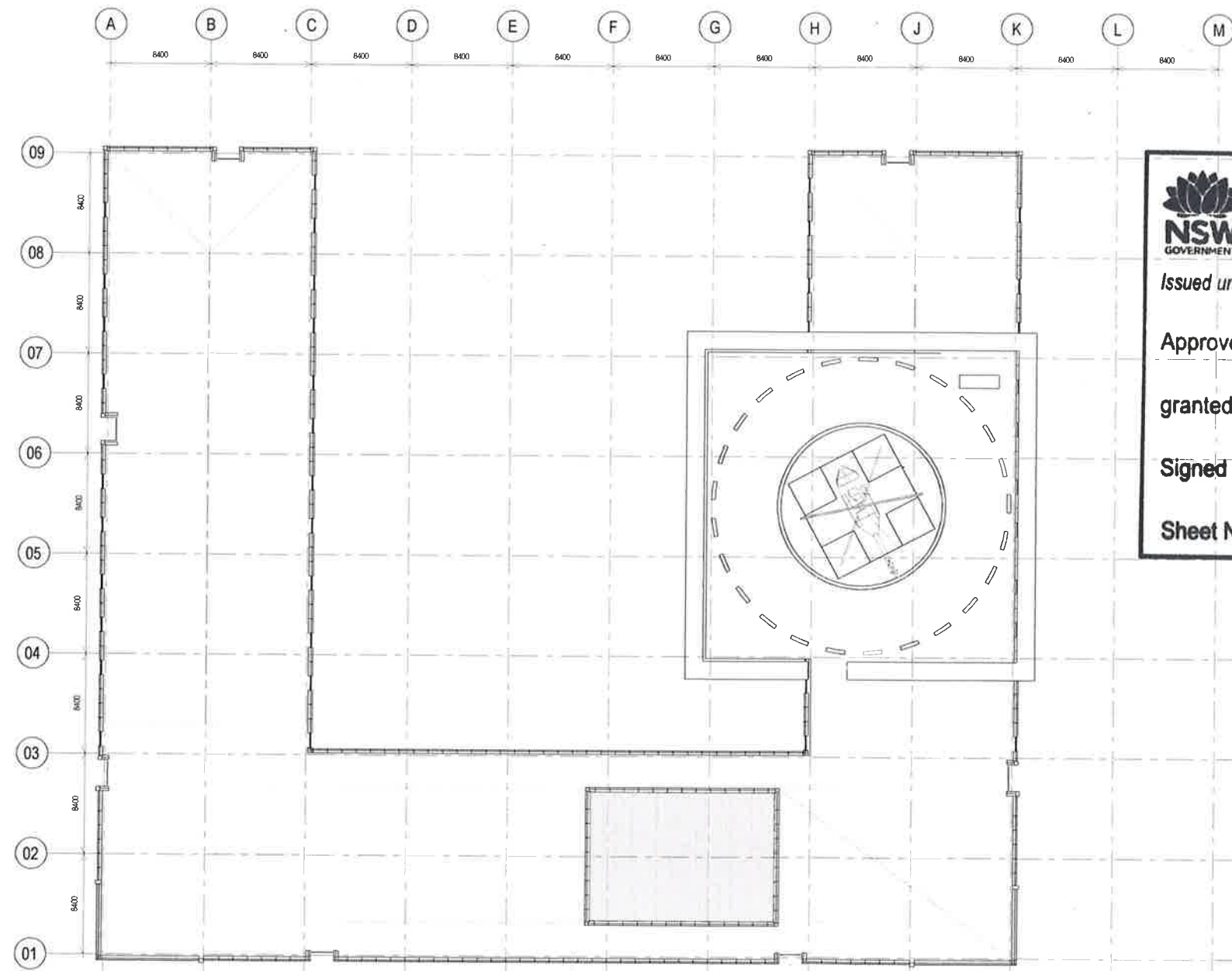
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DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

S1607004 INH
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1:2000
STATUS
DEVELOPMENT APPLICATION
DRAWING

LV 14 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWG
A0 - 234
ISSUE
A



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Sheet No.....35..... of 67.....

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-  PUBLIC ACCESS

CONSULTANT
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MANAGING CONTRACTOR
CPB
CONSTRUCTORS

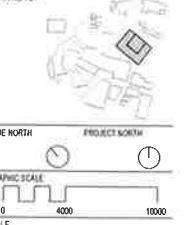
NSW GOVERNMENT | **Health Infrastructure**

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

S1607004.INH
DRAWING KEY



TRUE NORTH PROJECT NORTH

GRAPHIC SCALE
SCALE
0 4000 10000

1:20000
STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

LV ROOF GENERAL
ARRANGEMENT

NHR-BVN-AR-K-OWG
A0 - 235

REVISION
A

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CPB
CONTRACTORS
CLIENT

NSW **Health**
Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

S1607004 INH
DRAWING KEY



TRUE NORTH PROJECT NORTH
GRAPHIC SCALE
SCALE 0 4000 10000
1:20000
STATUS DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

LV B1 GENERAL
ARRANGEMENT
NHR-BVN-AR-K-DWG
A0 - 236
REVISE
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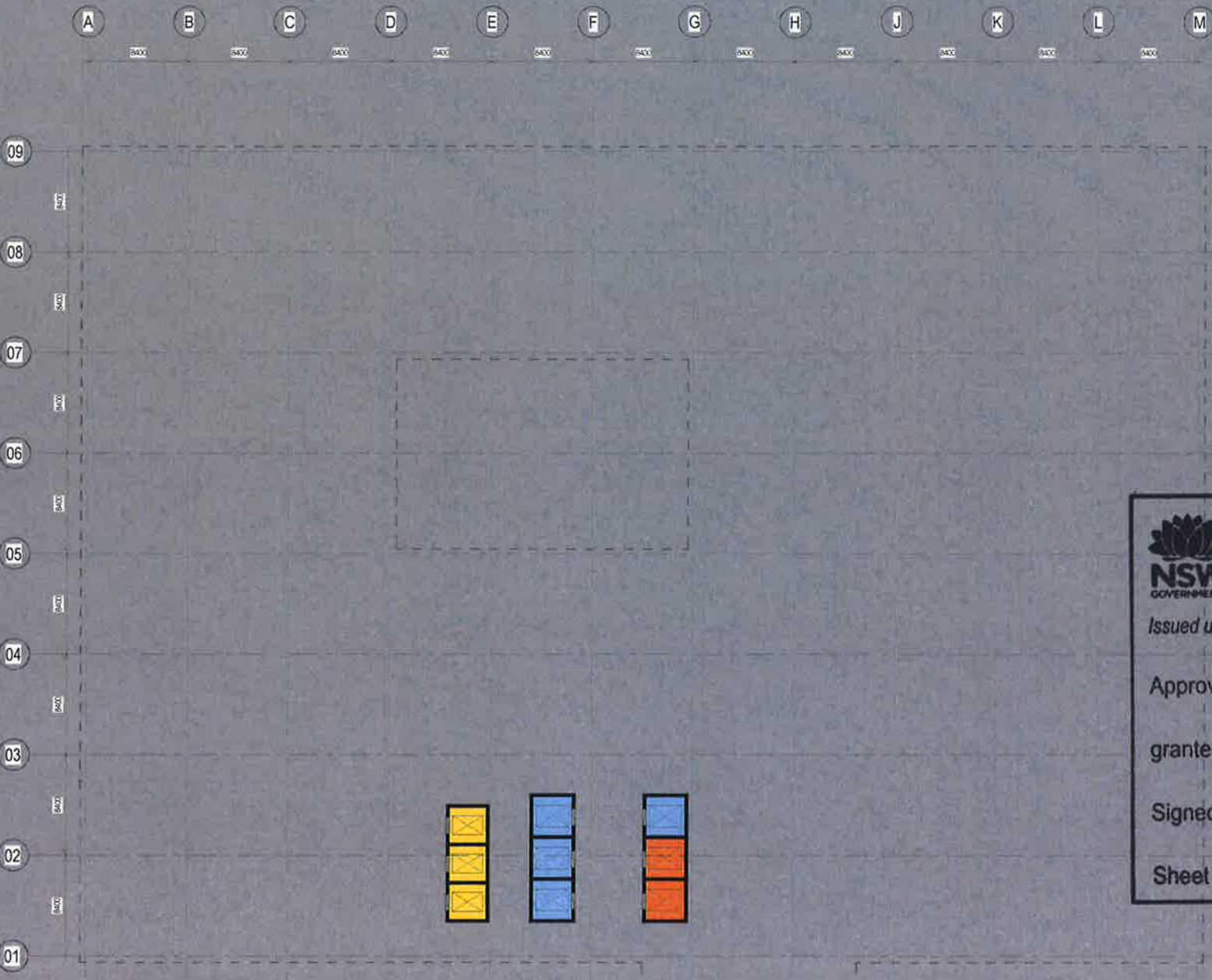
Approved Application No. SSD 8766

granted on the 25 FEB 2019

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Sheet No. 36 of 67

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-  PUBLIC ACCESS





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REVISIONS
A 000001 Initial Design
B 000002 Revised Design

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CBRE
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MANAGING CONTRACTOR
CPB
CONTRACTORS
CLIENT

NSW
GOVERNMENT
Health
Infrastructure

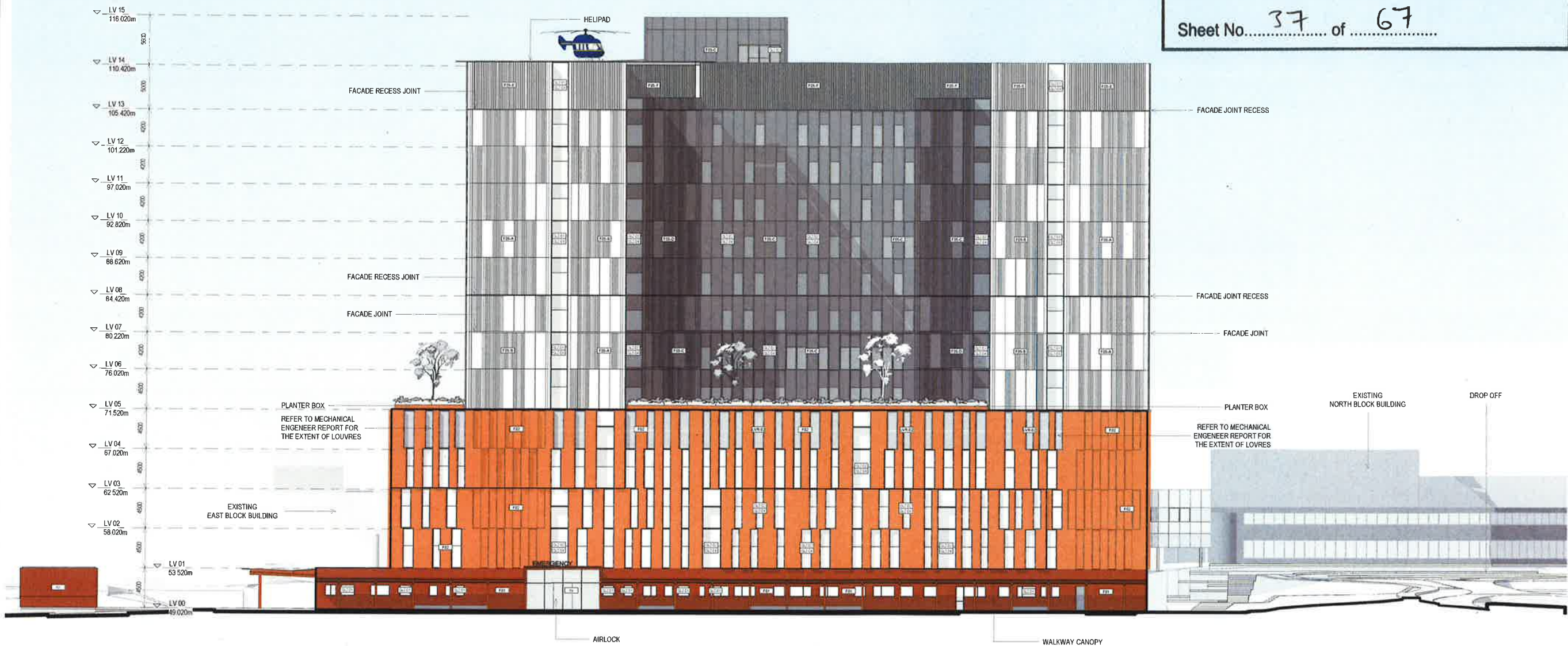
HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BHV PROJECT NUMBER

S1607004 INH
DRAWING KEY

GRAPHIC SCALE
SCALE
0 4000 10000
STATUS
DEVELOPMENT APPLICATION
DRAWING

ELEVATIONS - NORTH
NHR-EVN-AR-K-0000
AD - 300
B



NORTH ELEVATION

FACADE TYPES

- F01 - Natural masonry / brick. Varied format and orientation of units to create texture and visual relief on facade.
- F02 - Substrate on Steel Frame with Terracotta (Natural) Tile system. Facade depth varies to create visual relief.
- F05 - Substrate on Steel Frame prefinished metal cladding. Mixture of "Profile" and "Flat" metal cladding. Refer to elevations for extent of scope of cladding types & colour.
F05-A: Prefinished "Flat" metal cladding - White (Hunter Douglas or similar)
F05-B: Prefinished "Profiled" metal cladding - White (Longline or similar)
F05-C: Prefinished "Flat" metal cladding - Dark Grey (Hunter Douglas or similar)
F05-D: Prefinished "Profiled" metal cladding - Dark Grey (Longline or similar)
F05-E: Prefinished "Profiled" metal cladding - White (Klip-Lok or similar)
F05-F: Prefinished "Profiled" metal cladding - Dark Grey (Klip-Lok or similar)
- F06 - Shopfront glazing system affixed back to Steel Frame. Fins projecting off mullion. Mixture transparent glazing panel & colourback glazing depending on location.

GLAZING TYPES

- GLZ-01 - Transparent glazing Light Grey.
GLZ-02 - Transparent glazing Dark Grey.
GLZ-03 - Colourback glazing Light Grey.
GLZ-04 - Colourback glazing Dark Grey.

LOUVRE TYPES

- LVR-01 Horizontal metal louvres - White
LVR-02 Horizontal metal louvres - Dark Grey



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ISSUE DATE FOR
A 29/01/19 Issued by SDA
B 14/01/19 Issued by SDA



SOUTH ELEVATION

FACADE TYPES

- F01 - Natural masonry / brick. Varied format and orientation of units to create texture and visual relief on facade.
- F02 - Substrate on Steel Frame with Terracotta (Natural) Tile system. Facade depth varies to create visual relief.
- F05 - Substrate on Steel Frame prefinished metal cladding. Mixture of "Profile" and "Flat" metal cladding. Refer to elevations for extent of scope of cladding types & colour.
F05-A: Prefinished "Flat" metal cladding - White (Hunter Douglas or similar)
F05-B: Prefinished "Profiled" metal cladding - White (Longline or similar)
F05-C: Prefinished "Flat" metal cladding - Dark Grey (Hunter Douglas or similar)
F05-D: Prefinished "Profiled" metal cladding - Dark Grey (Longline or similar)
F05-E: Prefinished "Profiled" metal cladding - White (Klip-Lok or similar)
F05-F: Prefinished "Profiled" metal cladding - Dark Grey (Klip-Lok or similar)
- F06 - Shopfront glazing system affixed back to Steel Frame. Fins projecting off mullion. Mixture transparent glazing panel & colourback glazing depending on location.

GLAZING TYPES

- GLZ-01 - Transparent glazing Light Grey.
GLZ-02 - Transparent glazing Dark Grey.
GLZ-03 - Colourback glazing Light Grey.
GLZ-04 - Colourback glazing Dark Grey.

LOUVRE TYPES

- LVR-01 - Horizontal metal louvers - White
LVR-02 - Horizontal metal louvers - Dark Grey

CONSULTANT
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MBM (02) 9270 1000

CONSULTANT
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(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



CLIENT
NSW Health
Infrastructure

HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVM PROJECT NUMBER

S1607004.INH
DRAWING KEY



GRAPHIC SCALE
SCALE 1:1000
DO NOT SCALE

DATE
STATUS

DEVELOPMENT APPLICATION
DRAWING

ELEVATIONS - SOUTH
NHR-BVM-AR-K-DWG
A0 - 301
B

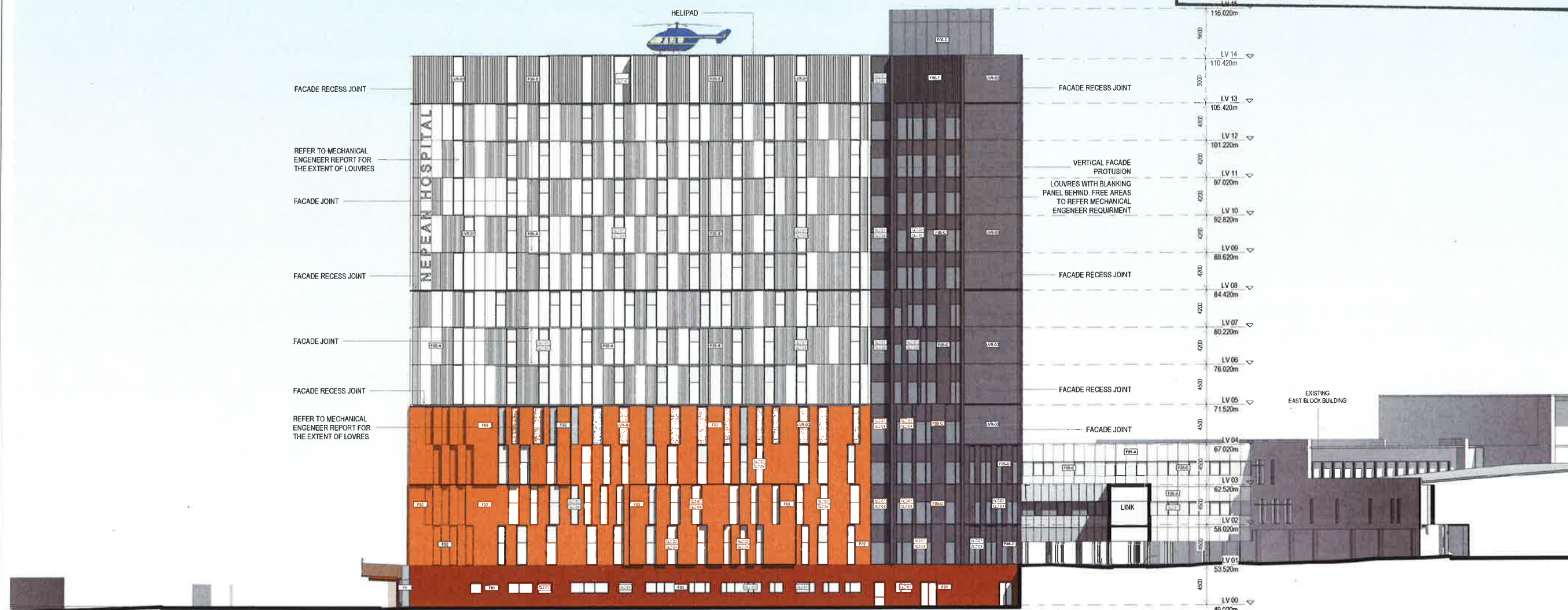


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ISSUE	DATE	FOR
A	25/02/19	Issued for ESDA
B	18/03/19	Issued for ESDA



WEST ELEVATION

FACADE TYPES

- F01** - Natural masonry / brick. Varied format and orientation of units to create texture and visual relief on facade.
- F02** - Substrate on Steel Frame with Terracotta (Natural) Tile system. Facade depth varies to create visual relief.
- F05** - Substrate on Steel Frame prefinished metal cladding. Mixture of "Profile" and "Flat" metal cladding. Refer to elevations for extent of cladding types & colour.
F05-A: Prefinished "Flat" metal cladding - White (Hunter Douglas or similar)
F05-B: Prefinished "Profiled" metal cladding - White (Longline or similar)
F05-C: Prefinished "Flat" metal cladding - Dark Grey (Hunter Douglas or similar)
F05-D: Prefinished "Profiled" metal cladding - Dark Grey (Longline or similar)
F05-E: Prefinished "Profiled" metal cladding - White (Klip-Lok or similar)
F05-F: Prefinished "Profiled" metal cladding - Dark Grey (Klip-Lok or similar)
- F06** - Shopfront glazing system affixed back to Steel Frame. Fins projecting off mullion. Mixture transparent glazing panel & colourback glazing depending on location.

GLAZING TYPES

- GLZ-01** - Transparent glazing Light Grey.
GLZ-02 - Transparent glazing Dark Grey.
GLZ-03 - Colourback glazing Light Grey.
GLZ-04 - Colourback glazing Dark Grey.

LOUVRE TYPES

- LVR-01** Horizontal metal louvers - White
LVR-02 Horizontal metal louvers - Dark Grey

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CONSULTANT
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CONSULTANT
BLACKETT MAGUIRE AND GOLDSMITH
(02) 9211 7777
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



HEALTH INFRASTRUCTURE

CLIENT NUMBER

NHR

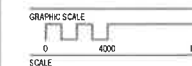
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747

BVN PROJECT NUMBER

S1607004 INH

DRAWING KEY



SCALE
As indicated
STATUS

DEVELOPMENT APPLICATION
DRAWING

ELEVATIONS - WEST

NHR-BVN-AR-K-DWG

A0-302

ISSUE

B



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Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed EW

Sheet No. 40 of 67



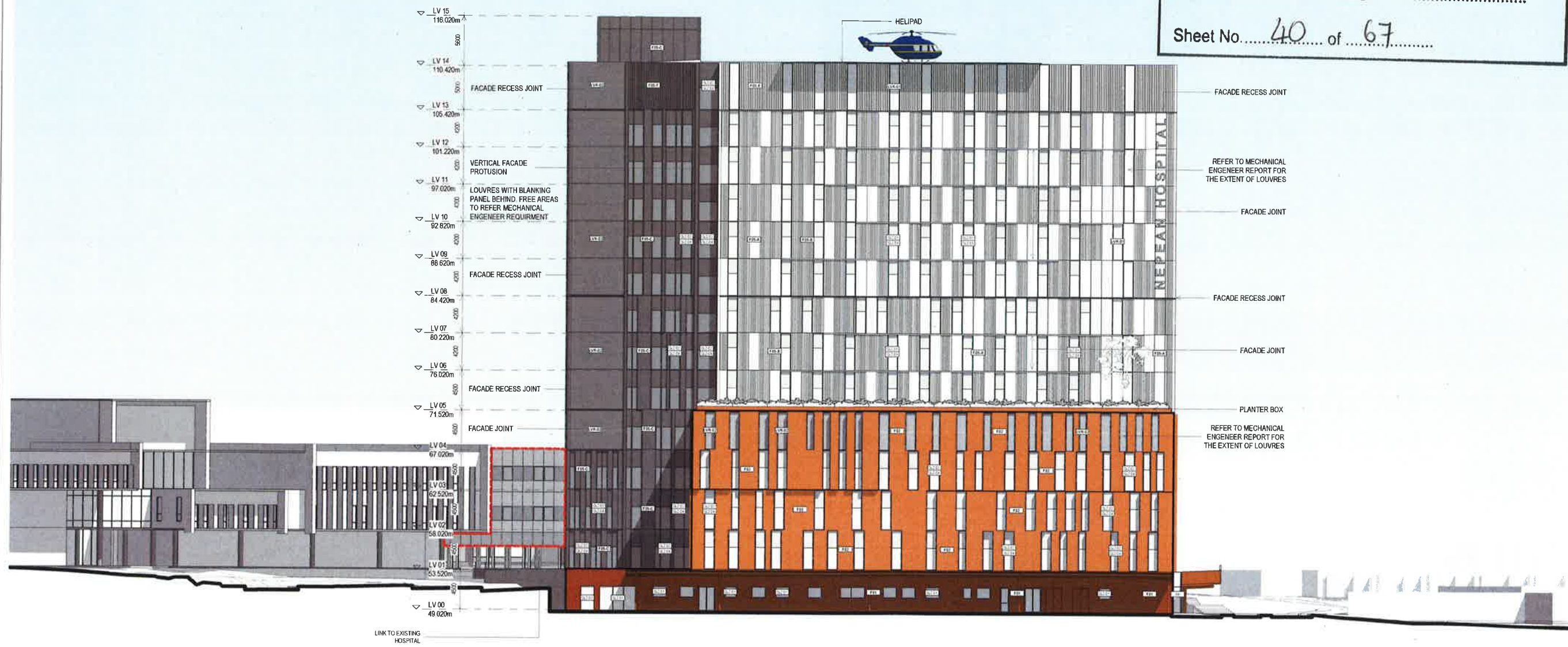
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NOTE
DRAWING OF FACADES AND ELEVATIONS OF BUILDINGS IS A REPRESENTATION OF THE BUILDING AS IT WILL APPEAR WHEN COMPLETED. IT DOES NOT REPRESENT THE BUILDING AS IT WILL BE WHEN IT IS IN USE. THE BUILDING MAY BE MODIFIED OR CHANGED AT ANY TIME WITHOUT NOTICE.

ISSUE	DATE	ISSUED BY
A	26/03/18	Issued by SSDA
B	16/11/18	Issued by SSDA



EAST ELEVATION

FACADE TYPES

- F01 - Natural masonry / brick. Varied format and orientation of units to create texture and visual relief on facade.
- F02 - Substrate on Steel Frame with Terracotta (Natural) Tile system. Facade depth varies to create visual relief.
- F05 - Substrate on Steel Frame prefinished metal cladding. Mixture of "Profile" and "Flat" metal cladding. Refer to elevations for extent of scope of cladding types & colour.
 - F05-A: Prefinished "Flat" metal cladding - White (Hunter Douglas or similar)
 - F05-B: Prefinished "Profiled" metal cladding - White (Longline or similar)
 - F05-C: Prefinished "Flat" metal cladding - Dark Grey (Hunter Douglas or similar)
 - F05-D: Prefinished "Profiled" metal cladding - Dark Grey (Longline or similar)
 - F05-E: Prefinished "Profiled" metal cladding - White (Klip-Lok or similar)
 - F05-F: Prefinished "Profiled" metal cladding - Dark Grey (Klip-Lok or similar)
- F06 - Shopfront glazing system affixed back to Steel Frame. Fins projecting off mullion. Mixture transparent glazing panel & colourback glazing depending on location.

GLAZING TYPES

- GLZ-01 - Transparent glazing Light Grey.
- GLZ-02 - Transparent glazing Dark Grey.
- GLZ-03 - Colourback glazing Light Grey.
- GLZ-04 - Colourback glazing Dark Grey.

LOUVRE TYPES

- LVR-01 Horizontal metal louvres - White
- LVR-02 Horizontal metal louvres - Dark Grey

CONSULTANT
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STEENSEN VARMING
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CONSULTANT
WARREN SMITH & PARTNERS
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CPB
CONTRACTORS
CLIENT



HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVM PROJECT NUMBER

S1607004 INH
DRAWING KEY



GRAPHIC SCALE
SCALE
As indicated on drawing
STATUS

DEVELOPMENT APPLICATION
DRAWING

ELEVATIONS - EAST
NHR-BVM-AR-K-DWG
A0 - 303
B



Planning & Environment

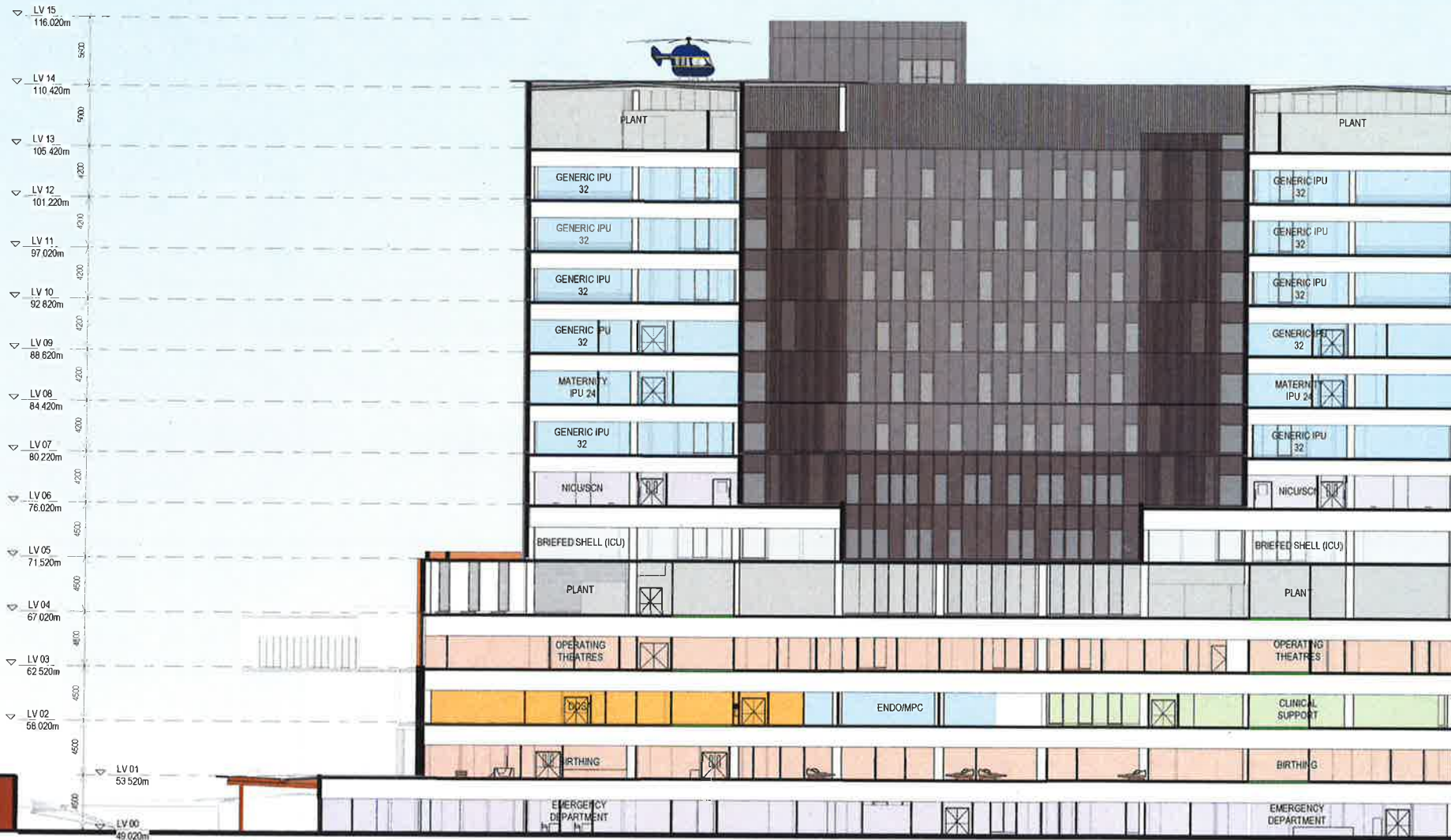
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granted on the **25 FEB 2019**

Signed *[Signature]*

Sheet No. **41** of **67**



SECTION 1

CONSULTANT
BONACCI GROUP PTY LTD
(02) 9247 8400
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HEALTH INFRASTRUCTURE
CLIENT NUMBER

NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BPN PROJECT NUMBER

S1607004 INH
DRAWING KEY



GRAPHIC SCALE
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DEVELOPMENT APPLICATION
DRAWING

BUILDING SECTIONS
NHR-BVN-AR-K-DWG
A0 - 310
PAGE
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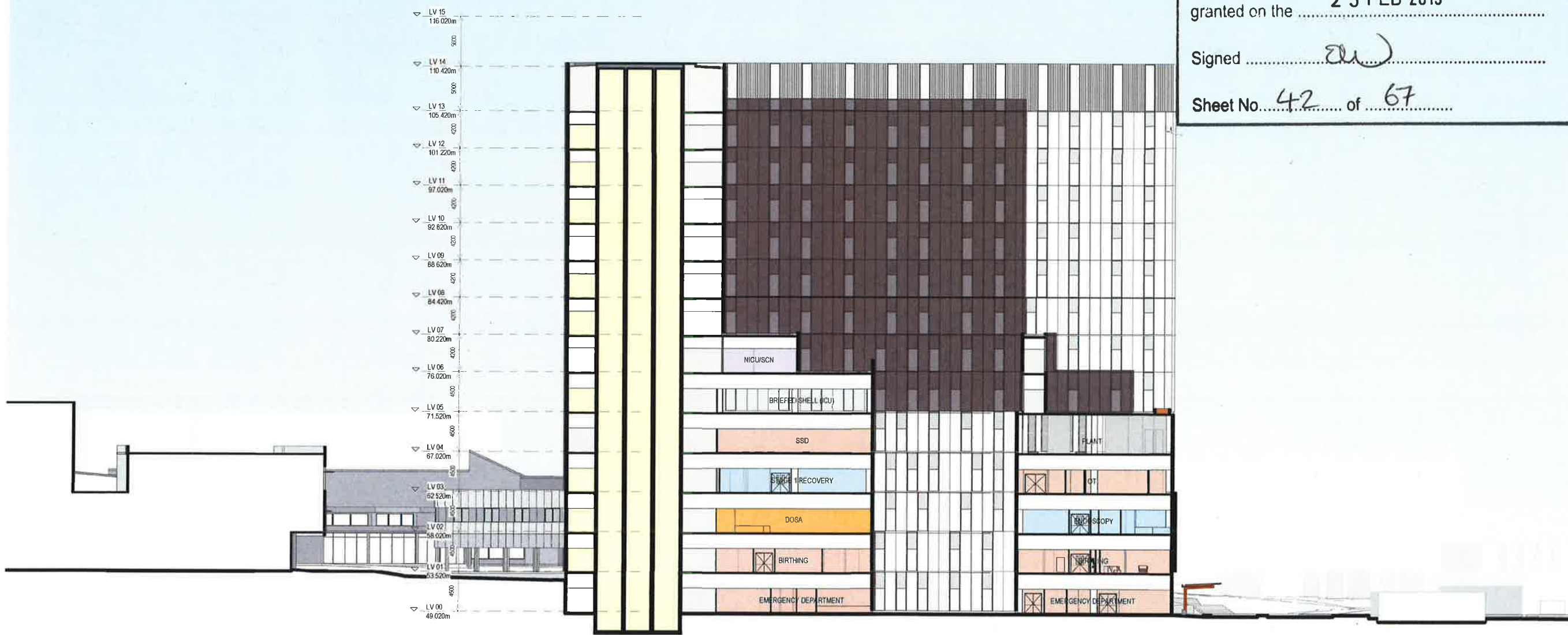
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granted on the 25 FEB 2019

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Sheet No. 42 of 67



SECTION 2

CONSULTANT
BONACCI GROUP PTY LTD
(02) 9247 8400
CONSULTANT
STEENSEN VARMING
(02) 9367 2200
CONSULTANT
WARREN SMITH & PARTNERS
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CONSULTANT
MBM (02) 9270 1000

CONSULTANT
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(02) 9211 7277
PROJECT MANAGER
CBRE
(02) 9333 3333
MANAGING CONTRACTOR



CLIENT
NSW Health Infrastructure

HEALTH INFRASTRUCTURE
CLIENT NUMBER
NHR
PROJECT

NEPEAN
DERBY ST
KINGSWOOD NSW 2747
BVN PROJECT NUMBER

S1607004 34H
DRAWING KEY



GRAPHIC SCALE
SCALE
0 4000 10000
1:2000
STATUS
DO NOT SCALE

DEVELOPMENT APPLICATION
DRAWING

BUILDING SECTIONS
NHR-BVN-AR-K-DWG
A0-311
ISSUE
B

DESCRIPTION:
SMALL FORMAT MASONRY / CERAMIC CLADDING -
TERRACOTTA / NATURAL



DESCRIPTION:
PREFINISHED TILE CLADDING -
TERRACOTTA / NATURAL

DESCRIPTION: PREFINISHED 'FLAT' METAL CLADDING, INVERTED RIBS - WHITE

DESCRIPTION: PREFINISHED 'PROFILED' METAL CLADDING, SLENDER HIGH RIBS AND BROAD FLAT PANS - WHITE

DESCRIPTION: PREFINISHED 'FLAT' METAL CLADDING, INVERTED RIBS - DARK GREY

DESCRIPTION: PREFINISHED 'PROFILED' METAL CLADDING, SLENDER HIGH RIBS AND BROAD FLAT PANS - DARK GREY

 NSW
GOVERNMENT

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NEPEAN HOSPITAL MAINWORKS - PLANT SCHEDULE					
CODE	BOTANIC NAME	COMMON NAME	MATURE SIZE (h x w) (m)	PROPOSED POT SIZE	QUANTITY
TREES					
As	<i>Acmena smithii</i> 'Sublime'	Acmena Sublime	5 x 2-3	75L	27
COS	<i>Corymbia ficifolia</i> 'Orange Splendour'	Orange Flowering Gum	5 x 3	75L	4
Cm	<i>Corymbia maculata</i>	Spotted Gum	10-25 x 4-10	200L	27
Ca	<i>Cyathea australis</i>	Rough Tree Fern	4-10 x 2-4	1.2-2.5m high	21
Da	<i>Dicksonia antarctica</i>	Soft Tree Fern	1.5-15 x 1-2	1.2-2m high	11
Ecr	<i>Eucalyptus crebra</i>	Narrow Leaved Ironbark	25 x 15	75L	19
Ee	<i>Eucalyptus eugenioides</i>	Thin Leaf Stringybark	25 x 15	100L	5
Efi	<i>Eucalyptus fibrosa</i>	Red Ironbark	25 x 15	75L	16
EED	<i>Eucalyptus leucoxydon</i> 'Euky Dwarf'	Dwarf SA Blue Gum	6 x 5	75L	8
Emo	<i>Eucalyptus moluccana</i>	Grey Box	25 x 15	200L	27
Ete	<i>Eucalyptus tereticornis</i>	Forest Red Gum	25 x 15	200L	18
Md	<i>Melealeuca decora</i>	White Feather Honey Myrtle	4-6 x 2-4	100L	17
Wf	<i>Waterhousia floribunda</i> 'Green Avenue'	Weeping LilyPilly	8 x 5	200L	22

* Tree numbers correspond with the arborist report composed by Moore Trees Arboricultural Services December 2017

* Not all trees have been captured in the arborist report



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Sheet No. 44 of 67



LANDSCAPE LEVEL 01 FORECOURT

102



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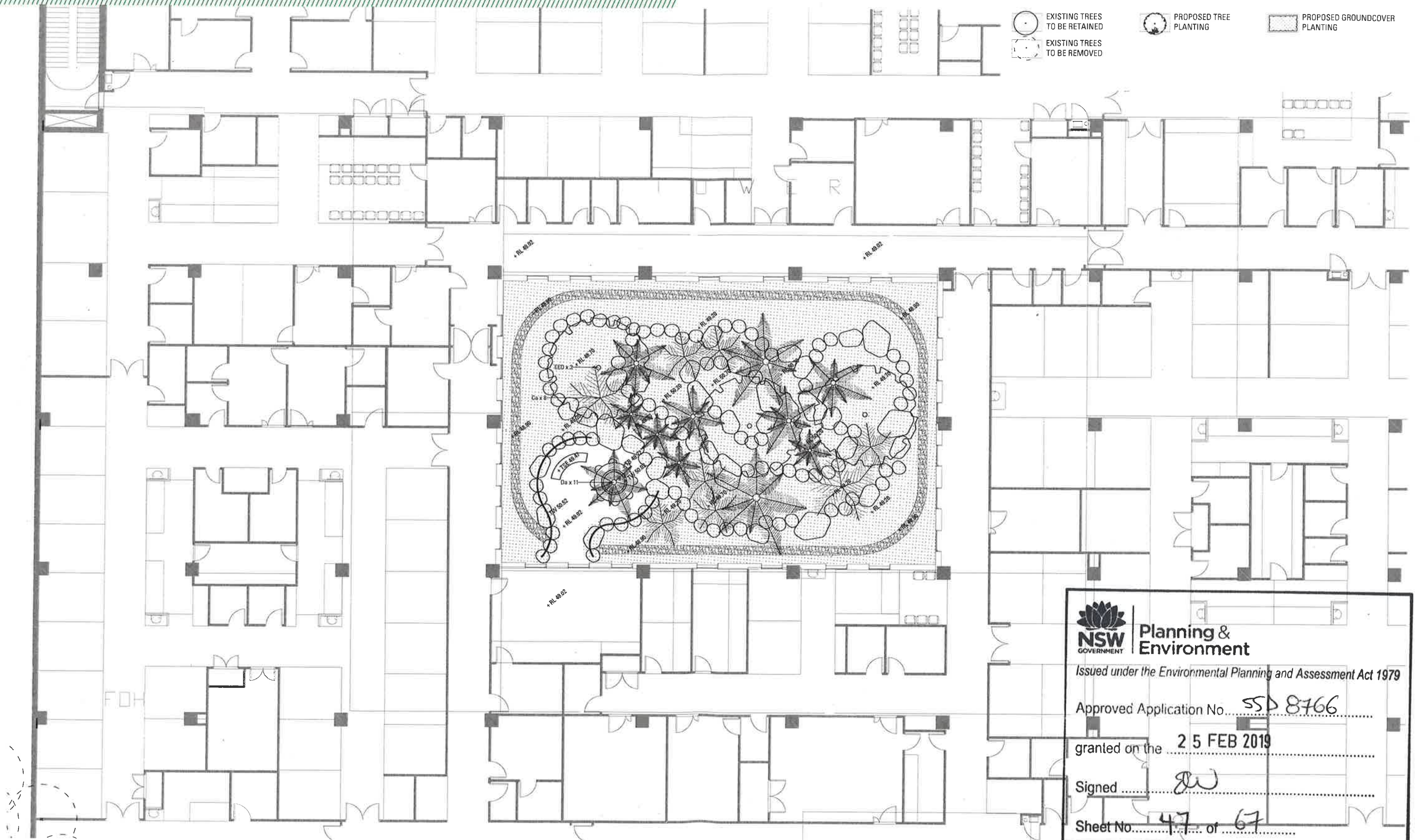
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Signed *[Signature]*

Sheet No. **46** of **67**

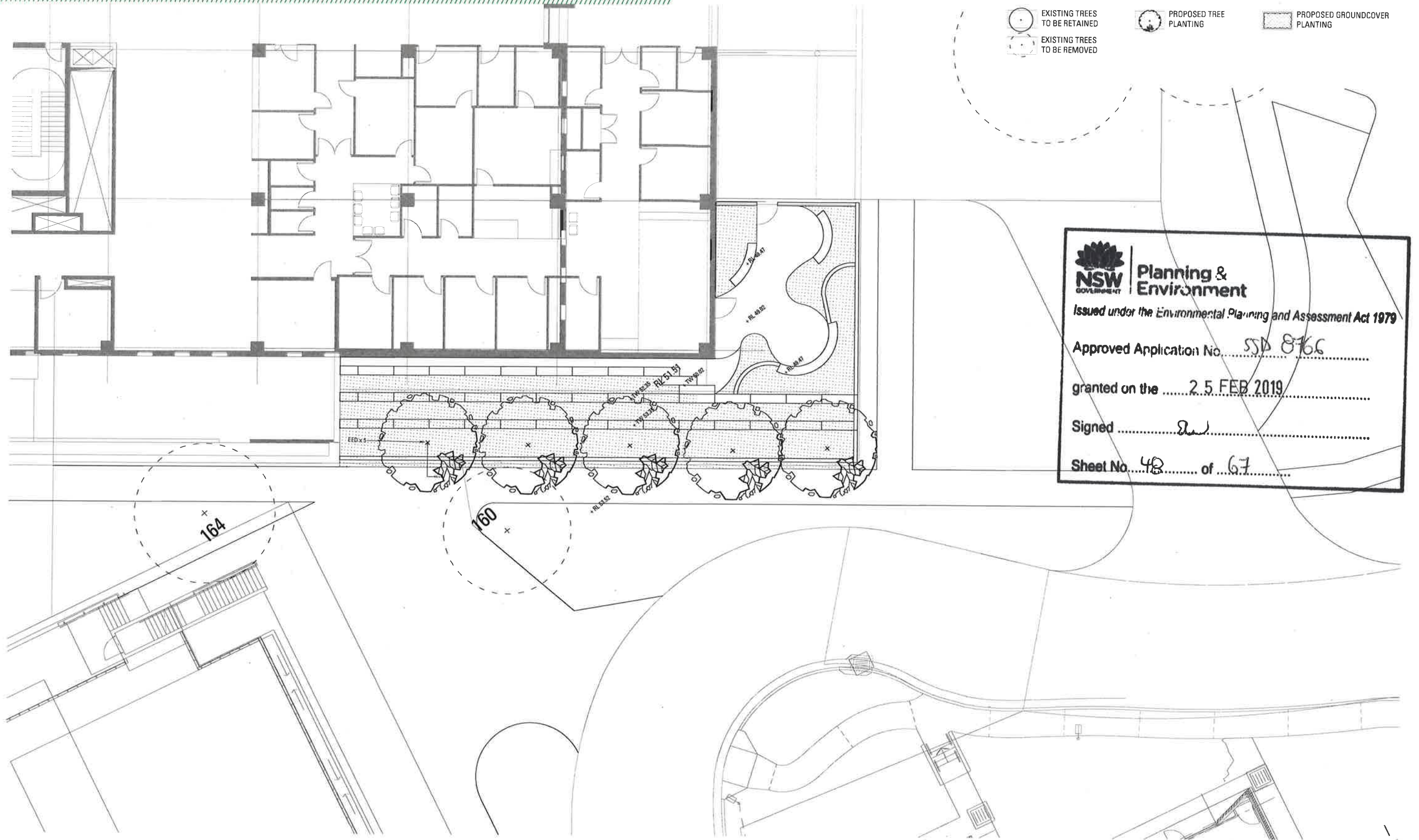


- EXISTING TREES TO BE RETAINED
- EXISTING TREES TO BE REMOVED
- PROPOSED TREE PLANTING
- PROPOSED GROUND COVER PLANTING

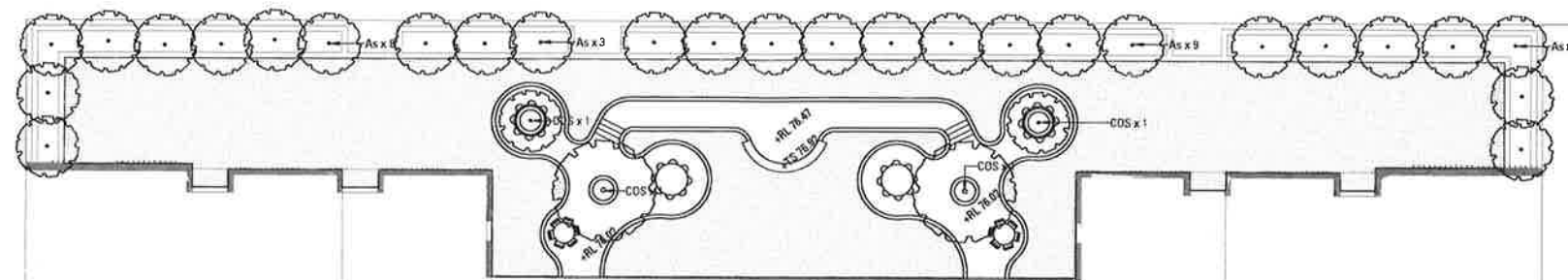


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granted on the <u>25 FEB 2019</u>	
Signed <u>[Signature]</u>	
Sheet No. <u>47</u> of <u>67</u>	





-  EXISTING TREES TO BE RETAINED
-  EXISTING TREES TO BE REMOVED
-  PROPOSED TREE PLANTING
-  PROPOSED GROUND COVER PLANTING



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Signed <u>EW</u>	
Sheet No. <u>49</u> of <u>67</u>	





VISION | STAGE ONE LANDSCAPE PLAN

3.2



VISION | ROOFTOP LANDSCAPE PLAN

3.3

LEGEND

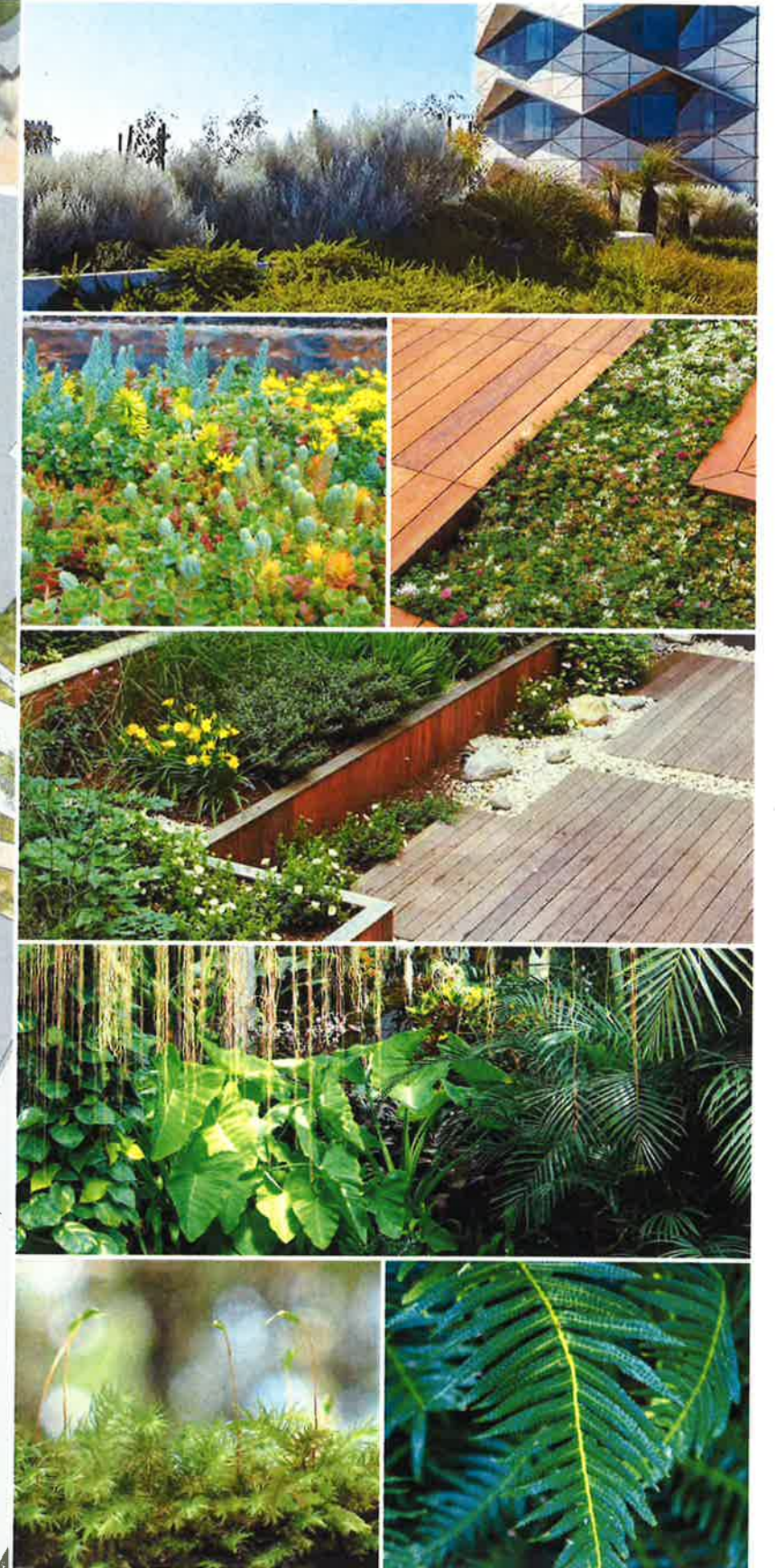
- 01/ Level 0 Atrium with water feature and lush planting
- 02/ Level 6 raised planting bed with small feature trees
- 03/ Level 6 sandstone seating wall surrounding raised planter
- 04/ Level 6 lookout / respite areas
- 05/ Level 9 sedum green roof

0 25 50 75 100 125m

SCALE 1:1250 @ A1



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 granted on the 25 FEB 2019
 Signed [Signature]
 Sheet No. 52 of 67



ARCADIA
LANDSCAPE ARCHITECTURE

NEPEAN HOSPITAL MASTERPLAN
LANDSCAPE SSDA



PREPARED BY Arcadia Landscape Architecture
CLIENT Health Infrastructure NSW
ARCHITECT BVN

DATE August 2018
SCALE
ISSUE 4

*Supplies and materials are to be confirmed by the landscape architect prior to construction. All discrepancies to be referred to the project manager and Arcadia Landscape Architecture Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authorities.

NEPEAN HOSPITAL REDEVELOPMENT DERBY STREET, KINGSWOOD NSW 2747 MAIN TOWER

DRAWING REGISTER AND CONSTRUCTION NOTES - CIVIL & STORMWATER

DRAWING No.	DESCRIPTION
NHR-BON-DRW-CIV-TB1-ALL-000001	DRAWING REGISTER AND CONSTRUCTION NOTES
NHR-BON-DRW-CIV-TB1-ALL-000101	SOIL AND WATER MANAGEMENT PLAN - SHEET 1
NHR-BON-DRW-CIV-TB1-ALL-000102	SOIL AND WATER MANAGEMENT PLAN - SHEET 2
NHR-BON-DRW-CIV-TB1-ALL-000103	SOIL AND WATER MANAGEMENT DETAILS
NHR-BON-DRW-CIV-TB1-ALL-000201	BULK EARTHWORKS PLAN - SHEET 1
NHR-BON-DRW-CIV-TB1-ALL-000202	BULK EARTHWORKS PLAN - SHEET 2
NHR-BON-DRW-CIV-TB1-ALL-000203	BULK EARTHWORKS SECTIONS - SHEET 1
NHR-BON-DRW-CIV-TB1-ALL-000204	BULK EARTHWORKS SECTIONS - SHEET 2
NHR-BON-DRW-CIV-TB1-ALL-000205	BULK EARTHWORKS SECTIONS - SHEET 3
NHR-BON-DRW-CIV-TB1-ALL-000206	BULK EARTHWORKS SECTIONS - SHEET 4
NHR-BON-DRW-CIV-TB1-ALL-000207	BULK EARTHWORKS SECTIONS - SHEET 5
NHR-BON-DRW-CIV-TB1-ALL-000301	SITINGWORKS & STORMWATER DRAINAGE PLAN - SHEET 1
NHR-BON-DRW-CIV-TB1-ALL-000302	SITINGWORKS & STORMWATER DRAINAGE PLAN - SHEET 2
NHR-BON-DRW-CIV-TB1-ALL-000303	STORMWATER DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
NHR-BON-DRW-CIV-TB1-ALL-000304	STORMWATER DRAINAGE LONGITUDINAL SECTIONS - SHEET 2

GENERAL NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS OR SKETCHES AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
- MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION, CURRENT SAA CODES, BUILDING REGULATIONS AND THE REQUIREMENTS OF ANY OTHER RELEVANT STATUTORY AUTHORITIES.
- THESE DRAWINGS MUST NOT BE SCALED. ALL DIMENSIONS ARE IN METRES. ALL SET OUT DIMENSIONS AND LEVELS, INCLUDING THOSE SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S DRAWINGS AND VERIFIED ON SITE.
- ALL SET OUT AND DIMENSIONS OF THE STRUCTURE INCLUDING KERBS AND RETAINING WALLS, AND BULK EARTHWORKS MUST BE TAKEN FROM THE ARCHITECT'S DRAWINGS. SET OUT OF THE STORMWATER PITS BY OTHERS. CONTRACTOR TO CONFIRM SET OUT OF SERVICE TRENCHING INCLUDING SUBSOIL ON SITE.
- THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE WORKS REFER TO GEOTECHNICAL REPORT.
- ALL DIMENSIONS AND REDUCED LEVELS MUST BE VERIFIED ON SITE BEFORE THE COMMENCEMENT OF ANY WORK.
- THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE SUPERINTENDENT BUT IS NOT AN AUTHORIZATION OF A COST VARIATION. THE SUPERINTENDENT MUST APPROVE ANY COST VARIATION BEFORE ANY WORK STARTS.
- ALL LEVELS SHOWN ARE TO THE AUSTRALIAN HEIGHT DATUM.
- SERVICE INFORMATION SHOWN IS APPROXIMATE ONLY. PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND SERVICES AND COMPLY WITH ALL REQUIREMENTS OF THOSE AUTHORITIES.
- EXISTING SURFACE CONTOURS, WHERE SHOWN, ARE INTERPOLATED AND MAY NOT BE ACCURATE.
- UNLESS NOTED OTHERWISE, ALL VEGETATION SHALL BE STRIPPED TO A MINIMUM DEPTH OF 150mm UNDER ALL PROPOSED PAVEMENT AND BUILDING AREAS.
- MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.

SITINGWORKS NOTES

- PRIOR TO THE PLACEMENT OF ANY PAVEMENTS, BUILDINGS OR DRAINS, THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION IN ACCORDANCE WITH TEST TABLE OF A.S. 1088 FOR THE TOP 150mm. ANY SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL TO THE ENGINEERS' APPROVAL AND COMPACTION IN ACCORDANCE WITH THE COMPACTION REQUIREMENTS SET OUT BELOW. ON HIGHLY REACTIVE CLAY AREAS, SITE EXCAVATED MATERIAL MAY BE USED WITH THE PRIOR AUTHORIZATION OF THE ENGINEER.
- ALL FILL AND PAVEMENT MATERIALS SHALL BE COMPACTED IN ACCORDANCE WITH DOUGLAS PARTNERS GEOTECHNICAL REPORT. MOISTURE CONTENT TO BE MAINTAINED AT +/- 2% DMC. MINIMUM COMPACTION REQUIREMENTS ARE DETAILLED BELOW FOR ALL REQUIREMENTS ARE TO BE VERIFIED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
 - LANDSCAPED AREAS: 98% STD.
 - FILL UNDER ANY FOOTINGS AND FLOOR SLABS FOR ANY STRUCTURE TO SUBGRADE LEVEL:
 - FINE BRUSHED ROCK: 98% STD.
 - SELECTED FILL WITHOUT CONSPICUOUS CLAY CONTENT: 98% STD.
 - BUILDING BASECOURSE: 98% MOD.
 - FILL UNDER ROAD PAVEMENTS:
 - TO WITHIN 500mm OF FINISHED SUBGRADE LEVEL: 98% STD.
 - UP TO FINISHED SUBGRADE LEVEL: 98% STD.
 - ROAD PAVEMENT MATERIALS:
 - SUB BASE: 98% MOD.
 - BASE COURSE: 98% MOD.
- THE MAXIMUM COMPACTION IS TO BE NO GREATER THAN 4% ON TOP OF THE ABOVE MENTIONED VALUES.
- GRADE EVENLY BETWEEN FINISHED SURFACE SPOT LEVELS. FINISHED SURFACE CONTOURS ARE SHOWN FOR CLARITY. WHERE FINISHED SURFACE LEVELS ARE NOT SHOWN, THE SURFACE SHALL BE GRADED SMOOTHLY SO THAT IT WILL DRAIN AND MATCH ADJACENT SURFACES OR STRUCTURES.
- ALL DIMENSIONS GIVEN ARE TO FACE OF KERB, CENTER OF PIPE OR EXTERIOR FACE OF BUILDING UNLESS NOTED OTHERWISE.
- ANY STRUCTURES, PAVEMENTS OR SURFACES DAMAGED, DIRTED OR MADE UNSERVICEABLE DUE TO CONSTRUCTION WORK SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER.
- ANY FILL REQUIRED SHALL BE APPROVED BY THE ENGINEER / GEOTECHNICAL CONSULTANT.
- CONTRACTOR IS TO ENSURE THAT ALL EXCAVATIONS ARE MAINTAINED IN A DRY CONDITION WITH NO WATER ALLOWED TO REMAIN IN THE EXCAVATIONS.
- ALL FINISHES AND COLOURS TO BE IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR CONCRETE, REINFORCEMENT AND RETAINING WALL DETAILS.
- GENERALLY FOR TRENCHING WORKS THE CONTRACTOR MUST:
 - COMPLY WITH THE GENERAL PROVISIONS OF PART 3.1 "MANAGING RISKS TO HEALTH AND SAFETY" OF NEW WORK HEALTH AND SAFETY REGULATION 2011.
 - COMPLY PART 4.3 DIVISION 3 "EXCAVATION WORK" OF NSW WORK HEALTH AND SAFETY REGULATION 2011.
- PRIOR TO THE EXCAVATION OF ANY TRENCH DEEPER THAN 1.5 METRES, THE CONTRACTOR MUST:
 - NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY ON THE APPROPRIATE FORM.

STORMWATER DRAINAGE NOTES

- UNLESS NOTED OTHERWISE BY HYDRAULIC ENGINEERS DRAWINGS, ALL DOWNPIPES & GRATED DRAINS SHALL BE CONNECTED TO PITS OR MAIN STORMWATER DRAINS WITH 150 DIA UPVC PIPES LAD AT A MINIMUM GRADE OF 1 IN 100 FOR SYPHONIC ROOF DRAINAGE SYSTEMS. ALL DOWNPIPES CONNECTION DRAIN SIZES TO BE CONNECTED INTO MAIN STORMWATER DRAINS SHALL BE IN ACCORDANCE WITH HYDRAULIC ENGINEERS DRAWINGS.
- ALL MAIN STORMWATER DRAINS SHALL BE CONSTRUCTED USING MATERIALS AS SPECIFIED ON THE DRAWINGS IN ACCORDANCE WITH THE APPROPRIATE A.S. IF NOT SPECIFIED THEN CLASS 2 RRP SHALL BE USED FOR DIAMETERS > 225mm. SEWER CLASS 5H UPVC IN ACCORDANCE WITH AS1260 SHALL BE USED FOR 225mm OR SMALLER.
- ALL PIPEWORK TO BE INSTALLED IN ACCORDANCE WITH AS3725 FOR RCP AND AS2032 FOR PVC. ALL BEDDING TO BE TYPE 10 UNLESS NOTED OTHERWISE.
- FOR ALL PITS - 12m DEEP, STEP IRONS SHALL BE INSTALLED.
- PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY BONACCI GROUP.
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED UPVC SEWER GRADE PIPE IS TO BE USED.
- GRATES AND COVERS SHALL CONFORM WITH AS 3996 AND AS 9481 FOR ACCESS REQUIREMENTS.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

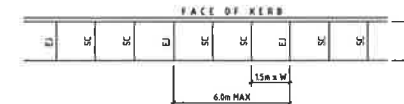
KERBING NOTES

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 33 MPa UNO.
- ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 75mm GRANULAR BASECOURSE COMPACTED TO A MINIMUM 98% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1089 S2.1.
- EXPANSION JOINTS (EJ) TO BE FORMED FROM 100mm COMPRESSIBLE CORN 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 MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLAB.
- WEAKENED PLANE JOINTS TO BE 100mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLAB.
- BROOCHED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL PLANT FINISHED.
- IN THE REPLACEMENT OF KERBS:
 - EXISTING ROAD PAVEMENT IS TO BE SAWCUT 100mm UNO FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER, NEW BASECOURSE AND SURFACE TO BE LAD 500mm WIDE UNO.
 - EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.

JOINTING NOTES

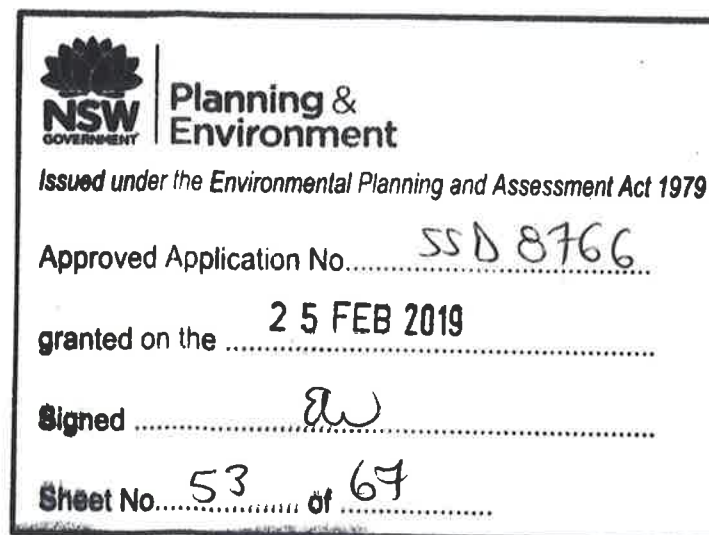
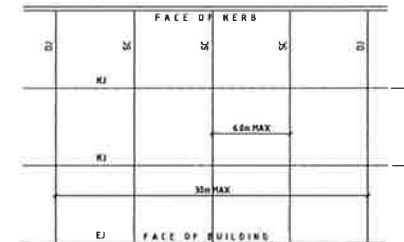
PEDESTRIAN FOOTPATH JOINTS (INTERNAL TO SITE)

- EXPANSION JOINTS (EJ) ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT 6m CENTRES.
- SAWCUT JOINTS (SC) ARE TO BE LOCATED AT A MAX 15m x WIDTH OF PAVEMENT.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND / OR ADJACENT PAVEMENT JOINTS.
- ALL PEDESTRIAN FOOTPATH JOINTING AS FOLLOWS (UNO):



VEHICULAR PAVEMENT JOINTS

- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
- KEYED CONSTRUCTION JOINTS (KJ) SHOULD GENERALLY BE LOCATED AT A MAXIMUM OF 6m CENTRES.
- SAWCUT JOINTS (SC) SHOULD GENERALLY BE LOCATED AT A MAXIMUM OF 6m CENTRES OR 15m x THE SPACING OF KEYED JOINTS, WHERE KEYED JOINT SPACING IS LESS THAN 6m, WITH DOWELLED EXPANSION JOINTS (EJ) AT MAXIMUM OF 30m CENTRES.
- PROVIDE 150mm WIDE FULL DEPTH EXPANSION JOINTS BEHIND BUILDINGS AND ALL CONCRETE OR UNIT PAVES.
- VEHICULAR PAVEMENT JOINTING AS FOLLOWS (UNO):
- 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.



LOCALITY PLAN
NOT TO SCALE

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NOTE
CONTRACTOR TO CHECK ALL DIMENSIONS
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10	15/01/2019	ISSUED FOR TENDER

NOTE
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Designed: J1
Drawn: J1
Project Director/Approved: J1
Date:

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WSP
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SCA/CDM/PMC

CDM/CDM/PMC

PREPARED BY

LANDSCAPE

MERCA GAS

PROJECT

HOWARD PROJECT NUMBER

DRAWING NO.



DATE

PRELIMINARY

DRAWING

DRAWING REGISTER
AND CONSTRUCTION NOTES

DRAWING NUMBER
NHR-BON-DRW-CIV-TB1
0000001

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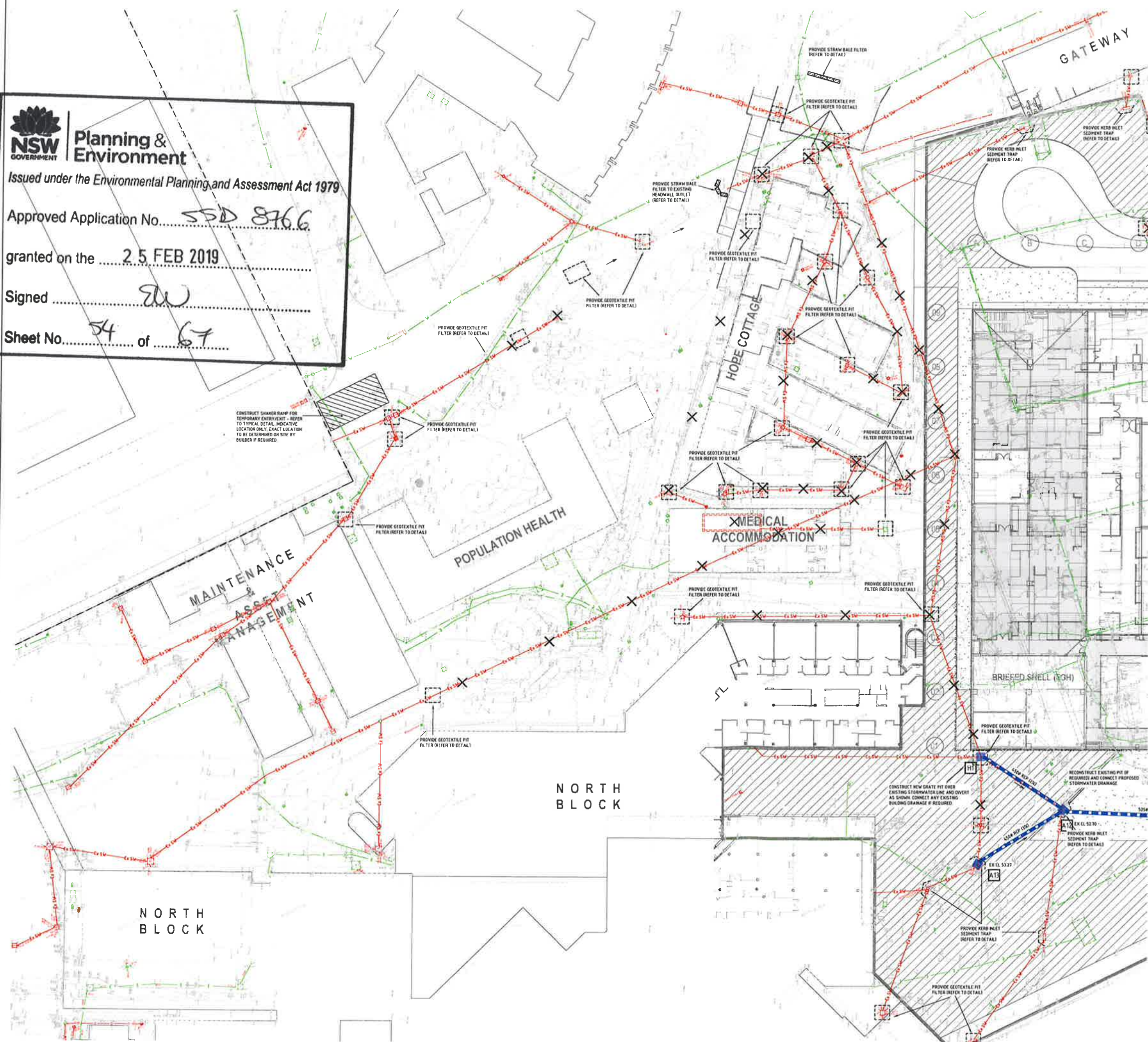
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Signed [Signature]

Sheet No. 54 of 67



SOIL AND WATER MANAGEMENT NOTES

1. IT HAS BEEN ASSUMED THAT HOARDINGS/SILT FENCING WILL BE PROVIDED TO THE STAGE BOUNDARY SUFFICIENT TO PREVENT SEDIMENT RUNOFF FROM LEAVING SITE (EXCEPT IN THE CASE OF ENTRY/EXIT LOCATIONS WHERE TEMPORARY CONSTRUCTION ENTRY/EXIT SEDIMENT TRAP ARE PROVIDED). IF THIS IS NOT THE CASE, PROVIDE SEDIMENT FENCE TO STANDARD DETAIL, BELOW AS REQUIRED TO PREVENT SEDIMENT FROM LEAVING SITE, DIRECT RUNOFF TO SEDIMENT BASIN.

2. ALL SEDIMENT CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH LANDON MANAGING URBAN STORMWATER "BLUE BOOK".

SEDIMENT CONTROL CONDITIONS

- SEDIMENT FENCES WILL BE INSTALLED AS SHOWN AND ELSEWHERE AT THE DISCRETION OF THE SITE MANAGER TO CONTAIN COARSE SEDIMENT FRACTIONS INCLUDING AGGREGATED FINES AS NEAR AS POSSIBLE TO THEIR SOURCE.
- SEDIMENT REMOVED FROM ANY TRAPPING DEVICE WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS & WATERWAYS CANNOT OCCUR.
- STOCKPILES WILL BE PLACED WHERE SHOWN ON DRAWING OR ELSEWHERE AT THE DISCRETION OF THE SITE MANAGER AND NOT WITHIN 5m OF HAZARDOUS AREAS INCLUDING LIKELY AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS & DRIVEWAYS.
- WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM WITH INLET FILTERS (SEE DETAILS) UNLESS IT IS SEDIMENT FREE.
- TEMPORARY SEDIMENT TRAPS WILL BE RETAINED UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
- CONTRACTOR TO DESIGN/CONSTRUCT TEMPORARY SEDIMENT BASIN. WATER SHOULD BE ALLOWED TO SETTLE BEFORE DISCHARGE. CONTRACTOR MUST VERIFY THAT WATER QUALITY MEETS AUTHORITIES REQUIREMENTS PRIOR TO DISCHARGE. ACCUMULATED SEDIMENT SHOULD THEN BE REMOVED & DISPOSED OF IN ACCORDANCE WITH ENVIRONMENTAL MANAGEMENT PROCEDURES.

SITE INSPECTION & MAINTENANCE CONDITIONS

- THE SITE MANAGER WILL INSPECT THE SITE AT LEAST WEEKLY AND WILL:
- ENSURE THAT DRAINS OPERATE PROPERLY & TO EFFECT ANY NECESSARY REPAIRS.
 - REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARDOUS AREAS, INCLUDING LANDS CLOSER THAN 5m FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS & PAVED AREAS.
 - REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE.
 - ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS APPROPRIATE.
 - CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS.
 - MAINTAIN EROSION & SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
 - REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.

AS PART OF THE STATUTORY DUTY OF CARE RESPONSIBILITIES, THE SITE MANAGER WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:

- THE VOLUME & INTENSITY OF ANY RAINFALL EVENTS.
- THE CONDITION OF ANY SOIL & WATER MANAGEMENT WORKS.
- THE CONDITION OF VEGETATION & ANY NEED TO IRRIGATE.
- THE NEED FOR DUST PREVENTION STRATEGIES.
- ANY REMEDIAL WORKS TO BE UNDERTAKEN.

THE BOOK WILL BE KEPT ON-SITE & MADE AVAILABLE TO ANY AUTHORISED PERSON ON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF WORKS.

SOIL AND WATER MANAGEMENT LEGEND

	SEDIMENT FENCE		GEOTEXTILE PIT FILTER / FILTER SURROUND INSTALLED ON EXISTING PIT
	TEMPORARY SHAKER RAMP FOR ENTRY/EXIT		SANDBAGS INSTALLED ON EXISTING PIT
	SEDIMENT BASIN (LOCATION TO BE ON-SITE)		STRAW BALE FILTER
	TEMPORARY STOCKPILE (LOCATION TO BE ON-SITE)		STORMWATER LINE
	DISTURBED CATCHMENTS WITHIN THE SITE		
	SURFACE INLET PIT		
	JUNCTION PIT		

NOTE:
THE PROPOSED TRUNK DRAINAGE SYSTEM AS SHOWN ARE TO BE CONSTRUCTED PRIOR TO CONSTRUCTION WORKS OF BUILDINGS AND ACT AS OVERFLOW SYSTEM FOR THE UPSTREAM CATCHMENT.



ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
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Drawn by: [Signature]
Project Manager: [Signature]



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THE SERVICES

UNDERGROUND

MEDICAL GAS

PROJECT

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DATE: 2019/02/25

STATUS: PRELIMINARY

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SOIL AND WATER MANAGEMENT PLAN

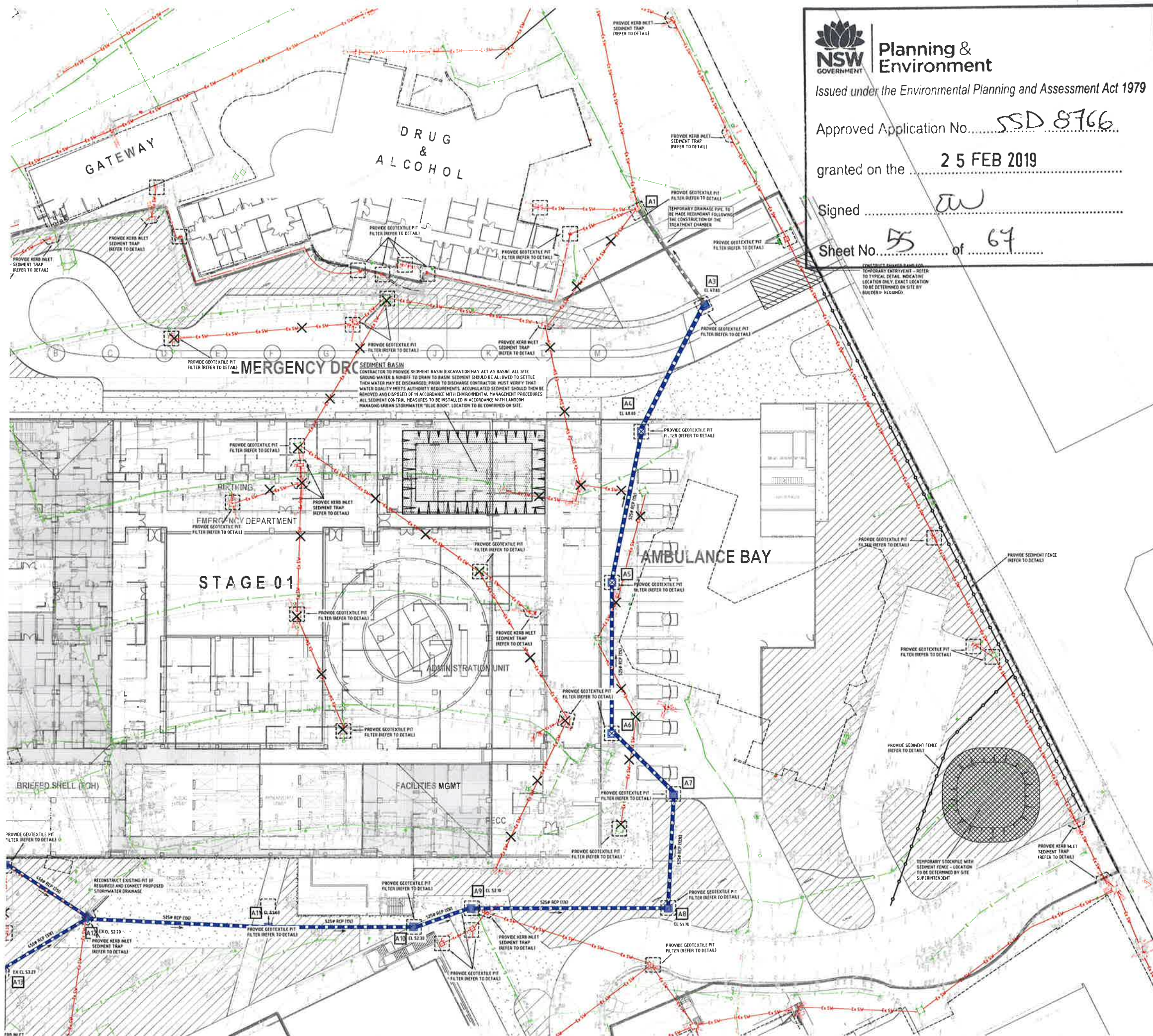
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Approved Application No. **SSD 8766**

granted on the **25 FEB 2019**

Signed **EW**

Sheet No. **55** of **67**

SOIL AND WATER MANAGEMENT NOTES

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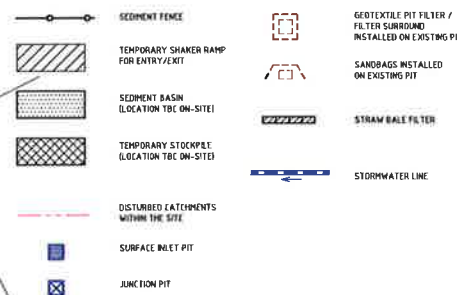
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15/02/2019	7	SSD 8766
15/02/2019	8	SSD 8766
15/02/2019	9	SSD 8766
15/02/2019	10	SSD 8766

NOTE: ALL DRAINAGE TO BE KEPT IN CONFORMANCE WITH THE TRADE PACKAGE COVER SHEET AND NOTES.

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Check: JH
Project Director: JH

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Health Infrastructure NSW

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MCA/SEA/FRS

ESD/OPEN-STAR

FRS REPAIRS

LANDSCAPE

MEDICAL GAS

PROJECT

DRAINAGE/PROJECT/NAME

DRAINAGE/KEY

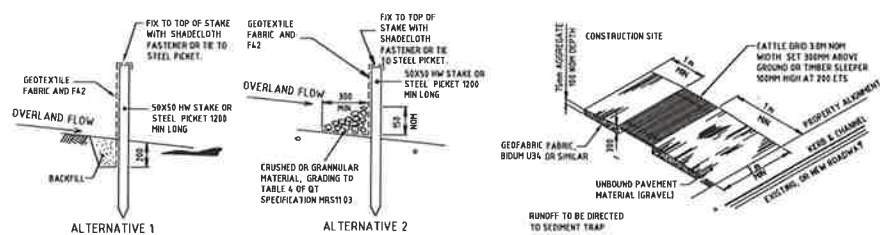
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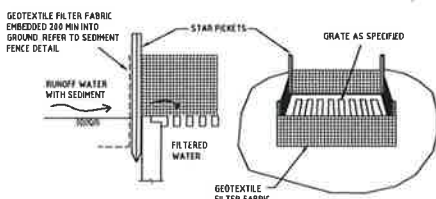
PRELIMINARY DRAWING

SOIL AND WATER MANAGEMENT PLAN SHEET 2

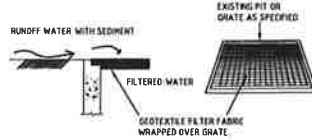
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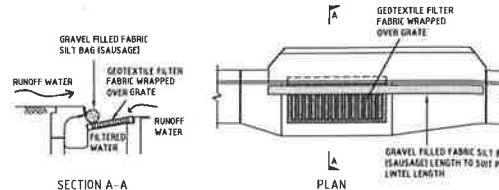
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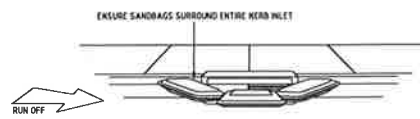
GEOTEXTILE PIT FILTER 1
NOT TO SCALE



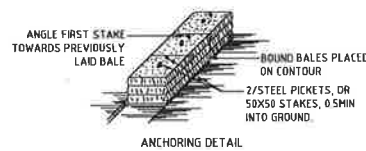
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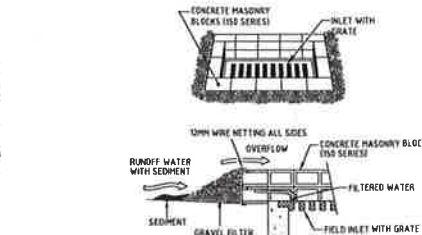
KERB INLET SEDIMENT TRAP
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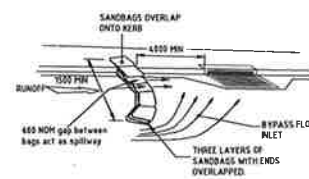
SANDBAG KERB INLET SEDIMENT TRAP
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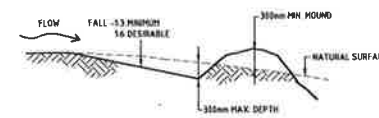
STRAW BALE BANK SEDIMENT CONTROL
NOT TO SCALE



FIELD INLET SEDIMENT TRAP
NOT TO SCALE



ON GRADE KERB INLET SEDIMENT TRAP
NOT TO SCALE



CATCH DRAIN
NOT TO SCALE



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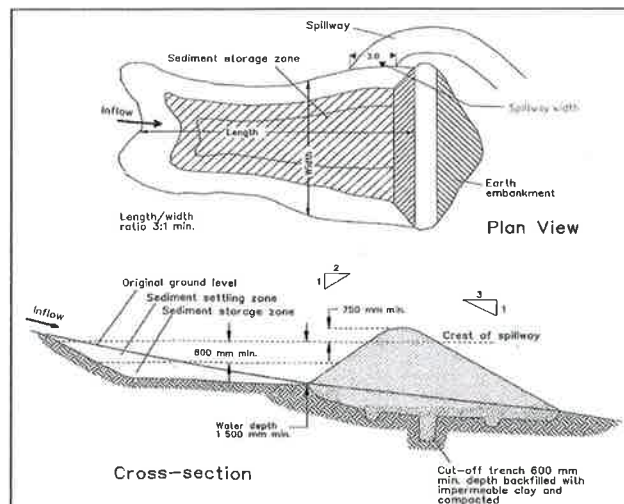
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Signed **[Signature]**

Sheet No. **56** of **67**

ALTERNATIVE SEDIMENT FENCE NOTES

1. INSTALL THIS TYPE OF SEDIMENT FENCE WHEN USE OF SUPPORT POSTS IS NOT DESIRABLE OR NOT POSSIBLE. SUCH CONDITIONS MIGHT APPLY, FOR EXAMPLE, WHERE APPROVAL IS GRANTED FROM THE APPROPRIATE AUTHORITIES TO PLACE THESE FENCES IN HIGHLY SENSITIVE ESTUARINE AREAS.
2. USE BENT TRENCH MESH TO SUPPORT THE F42 WELDED MESH FACING AS SHOWN ON THE DRAWING ABOVE. ATTACH THE JUTE MESH TO THE WELDED MESH FACING USING UV-RESISTANT CABLE TIES.
3. STABILISE THE WHOLE STRUCTURE WITH SANDBAGS OR ROCKS ANCHORING OVER THE TRENCH MESH AND THE LEADING EDGE OF THE JUTE MESH. THE ANCHORING SHOULD BE SUFFICIENTLY LARGE TO ENSURE STABILITY OF THE STRUCTURE IN THE DESIGN STORM EVENT, USUALLY THE 10 YEAR EVENT.



Construction Notes

1. Remove all vegetation and topsoil from under the dam wall and from within the storage area.
2. Construct a cut-off trench 500 mm deep and 1,200 mm wide along the centreline of the embankment extending to a point on the gully wall level with the riser crest.
3. Maintain the trench free of water and recompact the materials with equipment as specified in the SWMP to 95 per cent Standard Proctor Density.
4. Select fill following the SWMP that is free of roots, wood, rock, large stone or foreign material.
5. Prepare the site under the embankment by ripping to at least 100 mm to help bond compacted fill to the existing substrate.
6. Spread the fill in 100 mm to 150 mm layers and compact it at optimum moisture content following the SWMP.
7. Construct the emergency spillway.
8. Rehabilitate the structure following the SWMP.

EARTH BASIN - WET
(APPLIES TO 'TYPE D' AND 'TYPE P' 80(LS ONLY))

SD 6-4

SWMP Commentary, Detailed Calculations

Note: These "Detailed Calculation" spreadsheets relate only to high erosion hazard lands as identified in figure 4.6 or where the designer chooses to use the RUSLE to size sediment basins. The "Standard Calculation" spreadsheets should be used on low erosion hazard lands as identified by figure 4.6 and where the designer chooses not to run the RUSLE in calculations.

1. Site Data Sheet

Site Name: **Nepean Main Tower**

Site Location: **Nepean Hospital**

Precinct: **Area 1: Construct west roadworks. Area 2: Demo existing carpark, construct new main tower.**

Description of Site: **Area 3: Construct East roadworks. Area 4: Construct North Roadworks. Area 5: Northern footpath to Cancer Care**

Site area	1	2	3	4	5	Remarks
Total catchment area (ha)	0.71	0.62	0.484	0.362	0.243	
Disturbed catchment area (ha)	0.71	0.62	0.484	0.362	0.243	

Soil analysis						
% sand (fraction 0.02 to 2.00 mm)						Soil texture should be assessed through mechanical dispersion only. Dispersion agents (e.g. Calgon) should not be used.
% silt (fraction 0.002 to 0.02 mm)						
% clay (fraction finer than 0.002 mm)						
Dispersion percentage						E.g. enter 10 for dispersion of 10%
% of whole soil dispersible						See Section 6.3.3(e)
Soil Texture Group						See Section 6.3.3(c), (d) and (e)

Rainfall data	5	5	5	5	5	
Design rainfall depth (days)						See Sections 6.3.4 (d) and (e)
Design rainfall depth (percentile)	80	80	80	80	80	See Sections 6.3.4 (f) and (g)
n-day, y-percentile rainfall event	27.4	27.4	27.4	27.4	27.4	See Section 6.3.4 (h)
Rainfall intensity 2-year, 6-hour storm	7.97	7.97	7.97	7.97	7.97	See IFD chart for the site

RUSLE Factors	1530	1530	1530	1530	1530	
Rainfall erosivity (R-factor)						Automatic calculation from above data
Soil erodibility (K-factor)	0.04	0.04	0.04	0.04	0.04	K-factor adopted for the BLACKTOWN REGION IN PERMITH SOL LANDSCAPE GROUP
Slope length (m)	80	80	80	80	80	
Slope gradient (%)	4	1	4	1	3	RUSLE data can be obtained from Appendices A, B and C
Length/gradient (LS-factor)	0.91	0.19	0.91	0.19	0.65	CONTRASTION TO ENSURE SLOPE LENGTH AND GRADIENT IS NOT EXCEEDED DURING SOIL DISTURBANCE
Erosion control practice (P-factor)	1.3	1.3	1.3	1.3	1.3	
Ground cover (C-factor)	1	1	1	1	1	

Calculations						
Soil loss (t/ha/yr)	72	15	72	15	52	
Soil Loss Class	1	1	1	1	1	See Section 4.4.2(b)
Soil loss (m ³ /ha/yr)	56	12	56	12	40	
Sediment basin storage volume, m ³	7	1	5	1	2	See Sections 6.3.4(i) and 6.3.5 (ii)

Spreadsheet Detailed edl-11.xls

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NOTE

ITEM	DATE	DESCRIPTION
1	15/01/19	ISSUED FOR APPROVAL
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NOTE: ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE TRADE PACKAGE COVER SHEET AND NOTES

Designed: **J**
Drawn: **J**
Project Director Approved: **J**
Date: **J**

Client:

NSW Health Infrastructure

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

CPB CONTRACTORS

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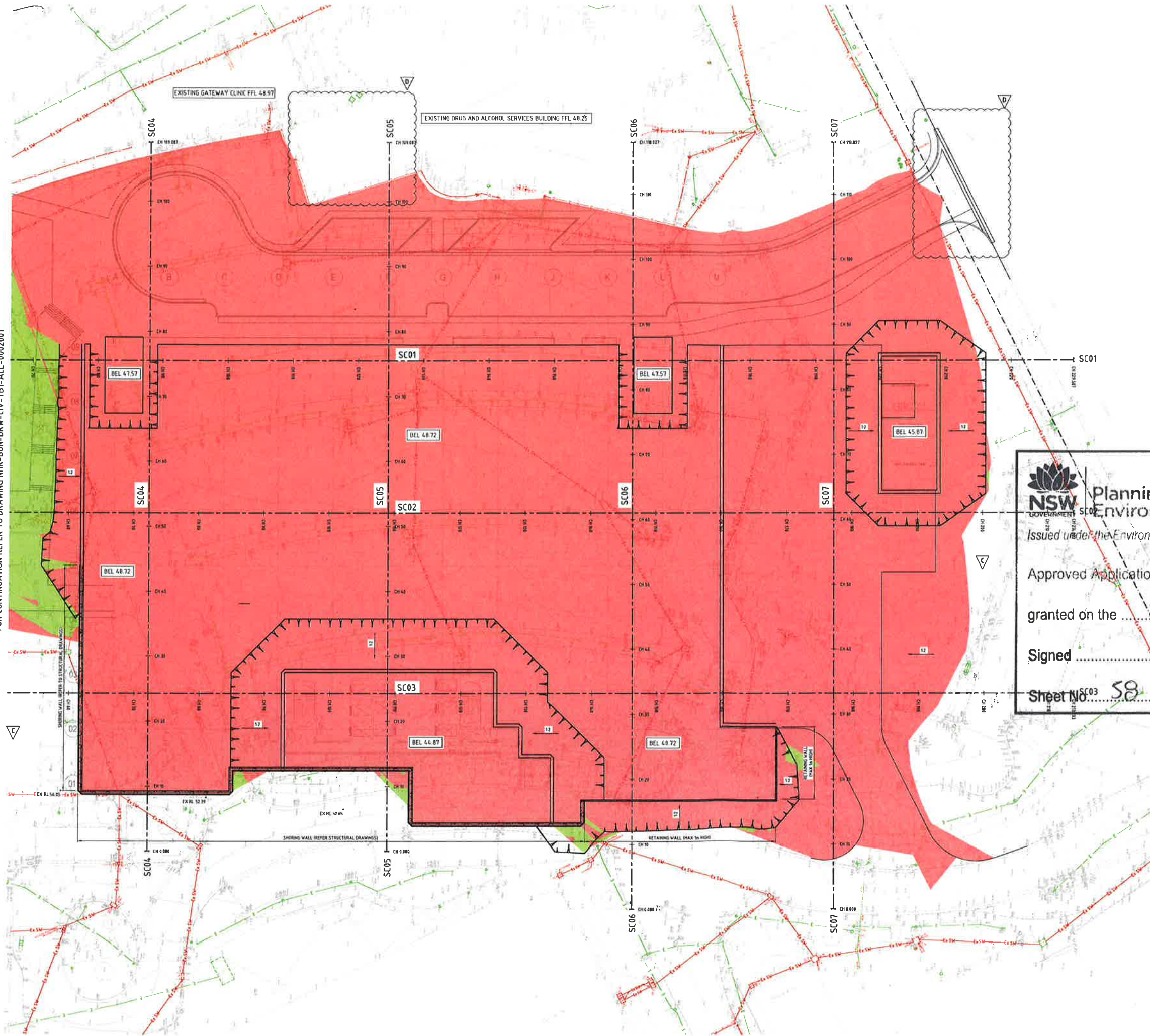
CPB CONTRACTORS

CPB CONTRACTORS

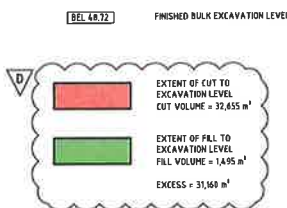
CPB CONTRACTORS

CPB CONTRACTORS

FOR CONTINUATION REFER TO DRAWING NHR-BON-DRW-CIV-TB1-ALL-0002001



EXCAVATION LEGEND
NOTE
1 VOLUMES ARE APPROXIMATE ONLY, WHICH ARE IN PLACE AND DO NOT INCORPORATE BUILDING FACTORS, OVER EXCAVATION AND OSD
2 GROUND WATER SEEPAGE MAY OCCUR IN EXCAVATED AREAS DE-WATERING MAY BE REQUIRED IN THIS INSTANCE



- EXCAVATION NOTES**
- E1 VOLUMES ARE APPROXIMATE ONLY AND DO NOT INCORPORATE BUILDING FACTORS AND OVER EXCAVATION. VOLUMES HAVE BEEN CALCULATED BETWEEN EXISTING SURFACE LEVELS AND BULK EARTHWORKS LEVELS.
 - E2 THIS DRAWING ONLY DETAILS EXCAVATION ASSOCIATED WITH THE BUILDING SLAB FOUNDING, STRUCTURAL FOOTINGS, BEAMS AND COLUMNS.
 - E3 PROVIDE TEMPORARY MAXIMUM 1 IN 2 BATTERS TO BUILDING PLATFORM EARTHWORKS. GEOTECH TO CONFIRM BATTER ACCEPTABILITY DURING CONSTRUCTION.
 - E4 PROVIDE PERMANENT MAXIMUM 1 IN 4 BATTERS TO ROAD EARTHWORKS.
 - E5 THE EXCAVATED MATERIAL IS TO BE TEMPORARILY STOCKPILED WITHIN THE LANDSCAPED AREAS (TO BE CONFIRMED ON-SITE) AND RE-USED AS LANDSCAPING SOIL BUILD-UP IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATIONS.
 - E6 REFER TO ARBORIST REPORT FOR TREE PROTECTION MEASURES IF REQUIRED.
 - E7 NOM. 300mm ZONE BELOW FINISHED FLOOR LEVEL HAS BEEN ALLOWED FOR.
 - E8 500mm ZONE OFFSET FROM BUILDING AND ROAD PERIMETER HAS BEEN ALLOWED FOR FORM WORK.

NSW GOVERNMENT Planning & Environment
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed [Signature]

Sheet No. 58 of 67



ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY THESE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

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Intellectual Property

NOTE

NO.	DATE	REVISION
1	25 FEB 2019	ISSUED FOR APPROVAL
2	25 FEB 2019	ISSUED FOR APPROVAL
3	25 FEB 2019	ISSUED FOR APPROVAL
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66	25 FEB 2019	ISSUED FOR APPROVAL
67	25 FEB 2019	ISSUED FOR APPROVAL

NOTE

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE TRADE PACKAGE COVER SHEET AND NOTES.

Design: J
Draw: J
Project Director: Approved
Date:

NSW Health Infrastructure

CPB CONTRACTORS
TEL 02 9414 3333 FAX 02 9414 3500
ARCHITECTURE
BVM ARCHITECTURE PTY LTD
TEL 02 9597 7200 FAX 02 9597 7299
ACQUAVAL
STEINSEN WARMING
TEL 02 9597 2200
ELECTRICAL (FISHER)

STEINSEN WARMING
TEL 02 9597 2000
HYDRAULIC

WSP
TEL 02 9296 1312 FAX 02 9296 1295
ROAD/SEA/PIPE

ESD (GREEN STAR)

HR SERVICES

LANDSCAPE

MEDICAL GAS

PROJECT

REVISED PROJECT NUMBER

DRAWING KEY

TRUE NORTH **PROJ CT NORTH**

SCALE 1:500 **DATE** 25 FEB 2019

STATUS
PRELIMINARY
DRAWING

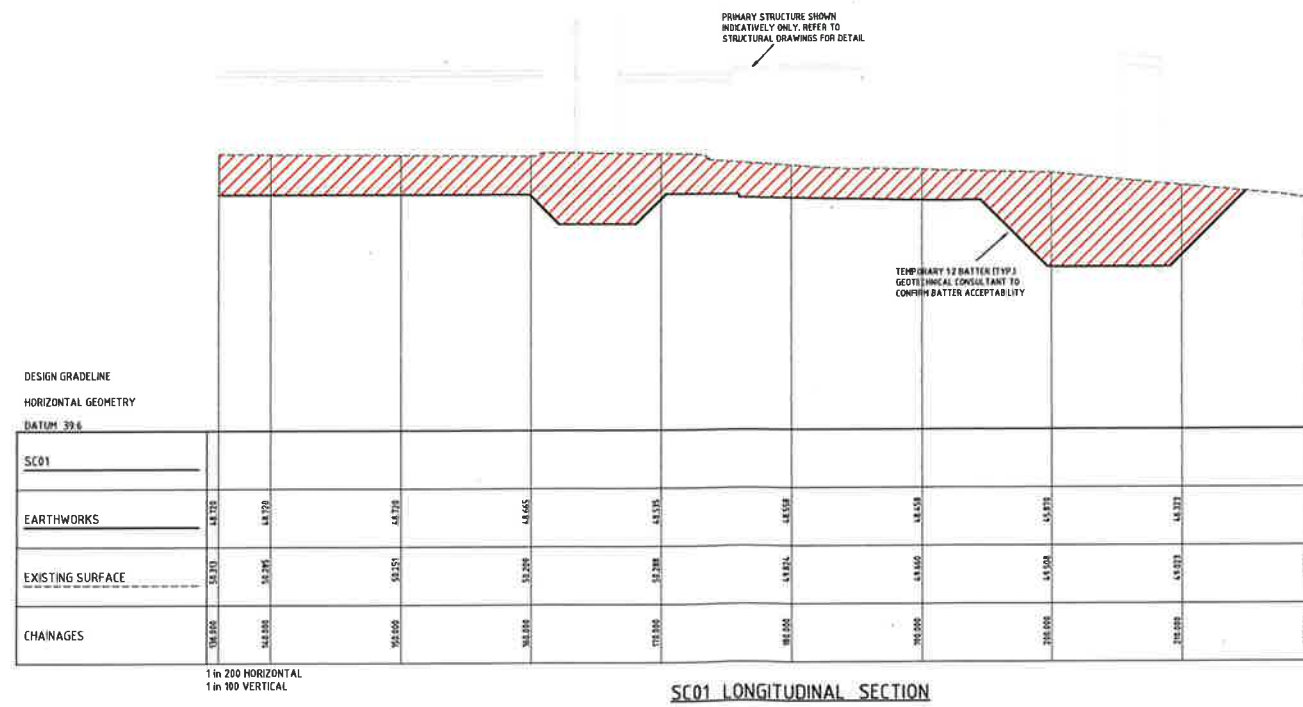
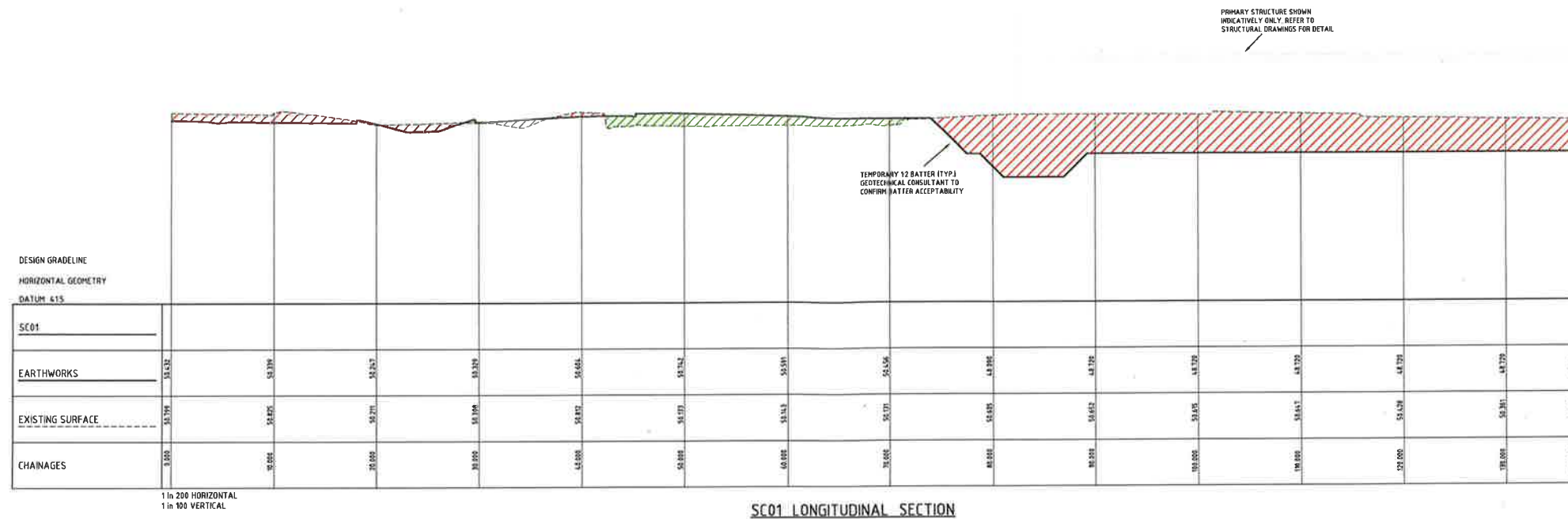
BULK EARTHWORKS PLAN SHEET 2

DESIGN NUMBER NHR/BON/DRW-CIV/TB1
DATE 0002002
REVISION D

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10	10/01/17	ISSUED FOR INFORMATION



NSW GOVERNMENT | **Planning & Environment**

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Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed [Signature]

Sheet No. 59 of 67

LEGEND

CUT FROM EXISTING SURFACE TO BULK EARTHWORK LEVEL

FILL FROM EXISTING SURFACE TO BULK EARTHWORK LEVEL

NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (IE EDGE BEAMS, ETC)

2. EXISTING GROUND LINE IS INTERPOLATED FROM SITE SURVEY SUPPLIED BY CARONO PTY LTD DRAWING No. 118117502 REV 04 DATED 07/06/2017

Client: SSD 8766

Project Director Approval: [Signature] Date: 25 FEB 2019

Group: Health Infrastructure NSW

CPB CONTRACTORS
TEL: 02 9414 3333 FAX: 02 9414 3500

MONITORING
BUN ARCHITECTURE PTY LTD
TEL: 02 8097 7200 FAX: 02 8267 7299

MECHANICAL
STEENSEN VARMING
TEL: 02 9667 2200

ELECTRICAL/ELECTRONIC
STEENSEN VARMING
TEL: 02 9667 2200

HYDRAULIC
WSP
TEL: 02 9599 1312 FAX: 02 9290 1295

BOH/DOH/FRE

ECO/GREEN STAR

PRE SERVICES

LANDSCAPE

MEDICAL GAS

PROJECT

REMOVED PROJECT NUMBER

DRAWING KEY

FILE NORTH

PROJECT NORTH

SCALE
AS SHOWN @ A2 DO NOT SCALE

STATUS
PRELIMINARY
DRAWING

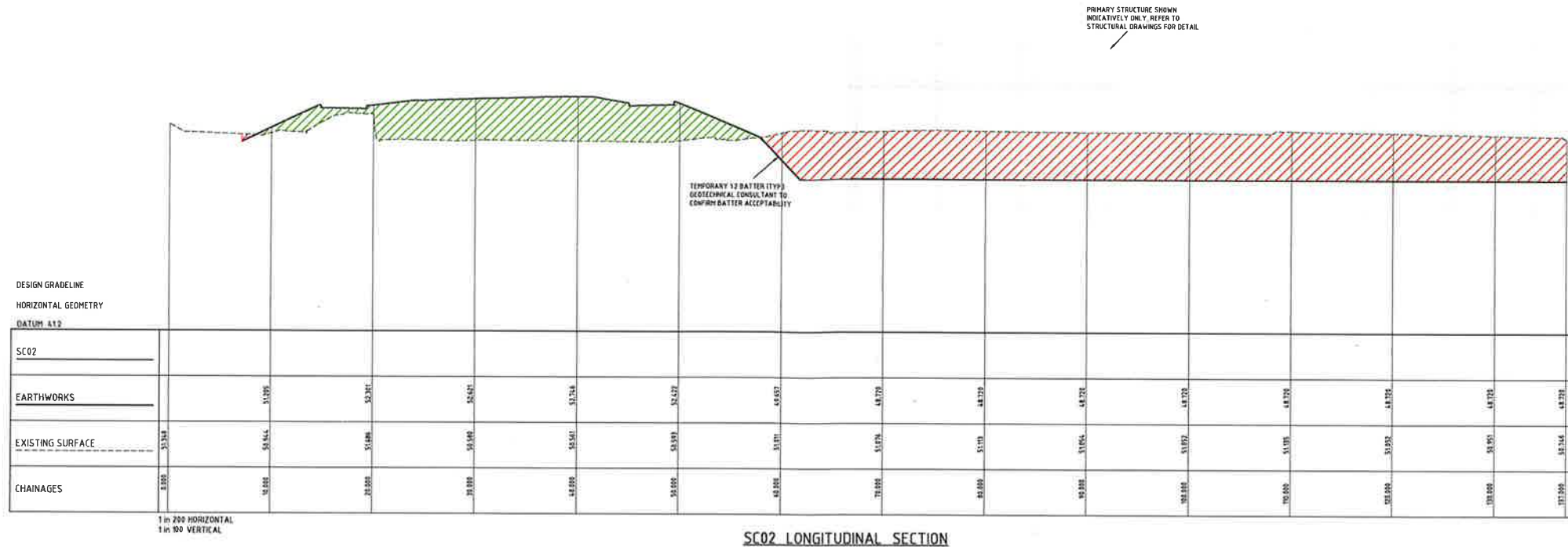
BULK EARTHWORKS
LONGITUDINAL SECTIONS
SHEET 1

DRAWING NUMBER
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0002101

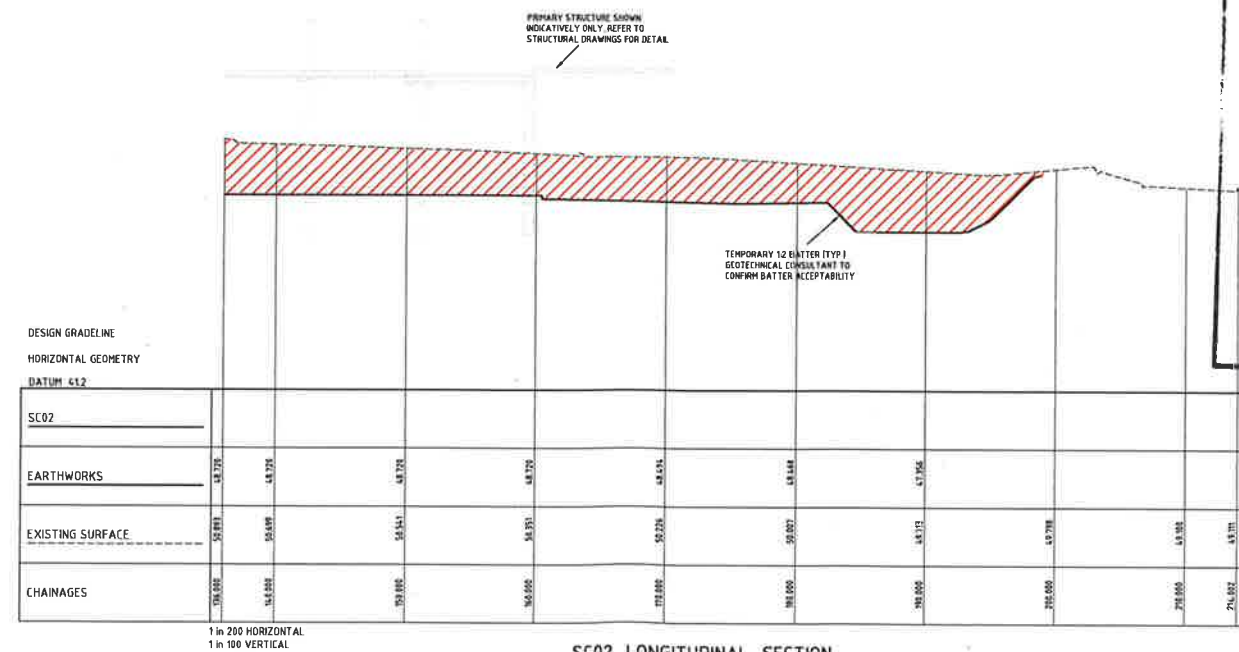
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9	2019/02/25	SSD	FOR APPROVAL
10	2019/02/25	SSD	FOR APPROVAL

NOTE
All drawings to be read in conjunction with the Trade Package Cover Sheet and Notes.



SC02 LONGITUDINAL SECTION



SC02 LONGITUDINAL SECTION



Planning &
Environment

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Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed ELW

Sheet No. 60 of 67

LEGEND

- CUT FROM EXISTING SURFACE TO BULK EARTHWORK LEVEL
- FILL FROM EXISTING SURFACE TO BULK EARTHWORK LEVEL

- NOTES
- REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (IE EDGE BEAMS, ETC)
 - EXISTING GROUND LINE IS INTERPOLATED FROM SITE SURVEY SUPPLIED BY CARDNO PTY LTD DRAWING No. 118117502 REV 04 DATED 07.06.2017

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Drawn: J
Check: J
Project Director Approval: J
Date: J



CPB CONTRACTORS
TEL 02 9414 3333 FAX 02 9414 3600
BUNN ARCHITECTURE PTY LTD
TEL 02 8597 7200 FAX 02 8597 7206
MECHANICAL
STEENSEN WARMING
TEL 02 9967 2200
ELECTRICAL
STEENSEN WARMING
TEL 02 9967 2200
MECHANICAL

WSP
TEL 02 9259 1312 FAX 02 9259 1255
BGA/ODU/FRE

ESD/GREEN STAR

PRE SERVICES

LANDSCAPE

MECHANICAL

PROJECT

TECHNICAL PROJECT NUMBER

DEVELOPER



TRUE NORTH

SCALE: AS SHOWN, BUT CHECK SCALE

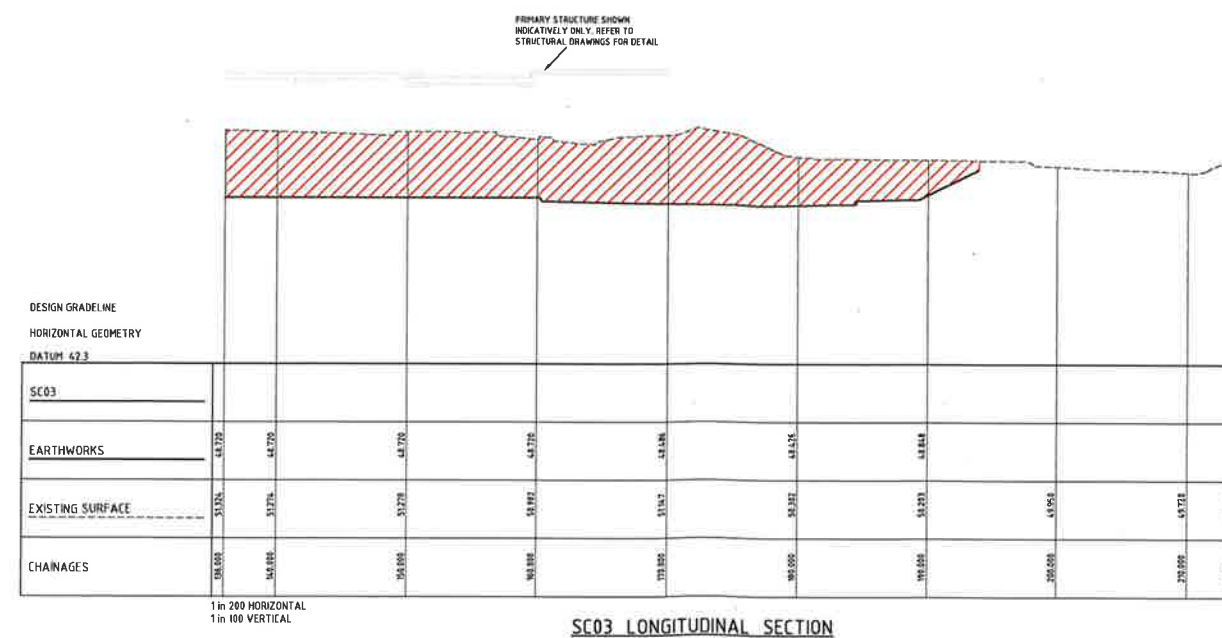
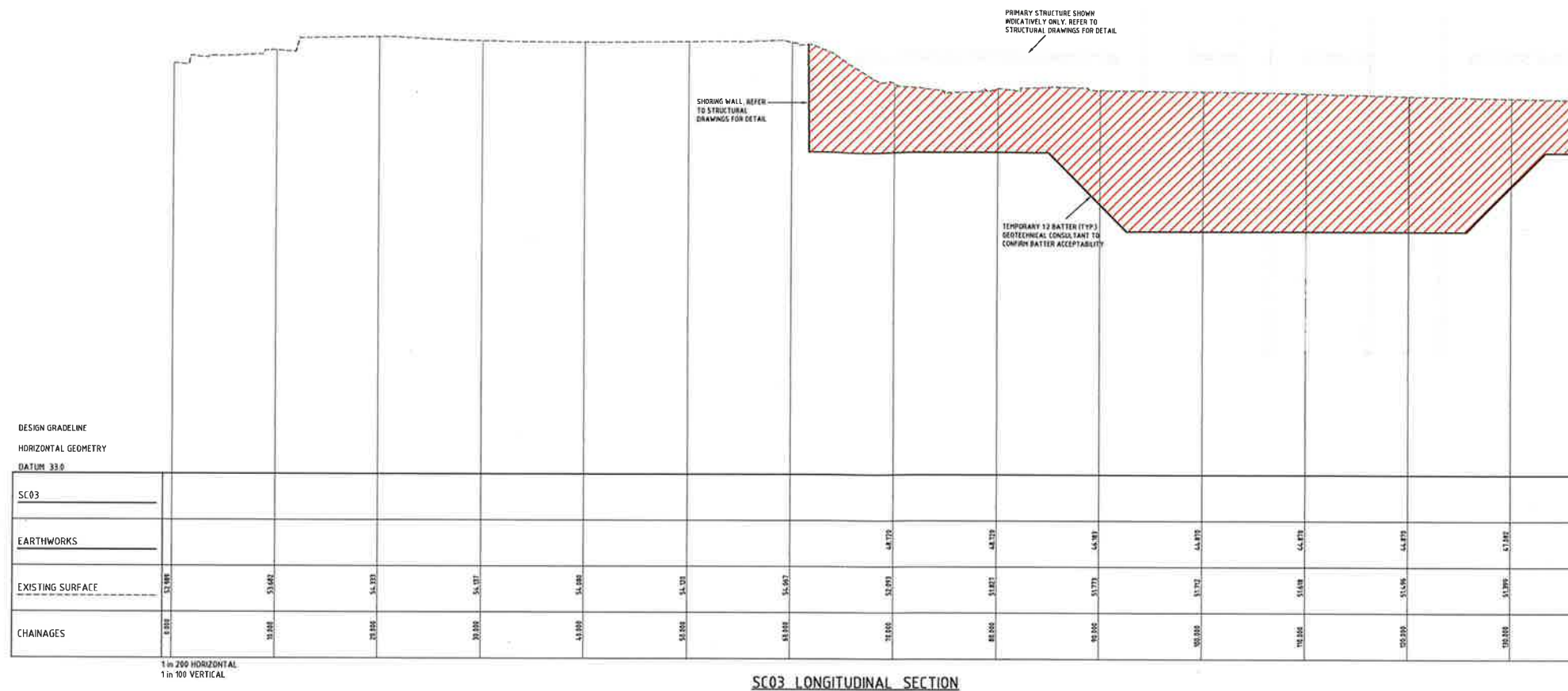
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PRELIMINARY
DRAWING

BULK EARTHWORKS
LONGITUDINAL SECTIONS
SHEET 2

DRAWING NUMBER
0002102

DATE
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NSW Planning & Environment
GOVERNMENT

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Approved Application No. SSA 8766

granted on the 25 FEB 2019

Signed EW

Sheet No. 61 of 67

LEGEND

CUT FROM EXISTING SURFACE TO BULK EARTHWORKS LEVEL

FILL FROM EXISTING SURFACE TO BULK EARTHWORKS LEVEL

NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (I.E. EDGE BEAMS, ETC)

2. EXISTING GROUND LINE IS INTERPOLATED FROM SITE SURVEY SUPPLIED BY CAROND PTY LTD DRAWING NO. 11817502 REV 04 DATED 07.06.2017

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NOTE

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NOTE

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE TRADE PACKAGE COVER SHEET AND NOTES

Designed By

Drawn By

Project Director Approval

Date

NSW Health Infrastructure

Health Infrastructure NSW

CPB

CPB CONTRACTORS

TEL 02 9414 3333 FAX 02 9414 3600

ARCHITECTURE

BVM ARCHITECTURE PTY LTD

TEL 02 8297 7200 FAX 02 8297 7299

MECHANICAL

STEENSEN WARMING

TEL 02 9457 2200

ELECTRICAL/CLIMATE

STEENSEN WARMING

TEL 02 9567 7200

MECHANICAL

WSP

TEL 02 9299 1312 FAX 02 9299 1296

SCAFFOLD/FIRE

CELEBRATIONS

FIRE SERVICES

LANDSCAPE

MEDICAL GAS

PROJECT

SERVICES PROJECT NUMBER

DRAWING

STATUS

PRELIMINARY

DRAWING

BULK EARTHWORKS

LONGITUDINAL SECTIONS

SHEET 3

GRAPHIC NUMBER

NSW SCH/DRAW/CIV/181

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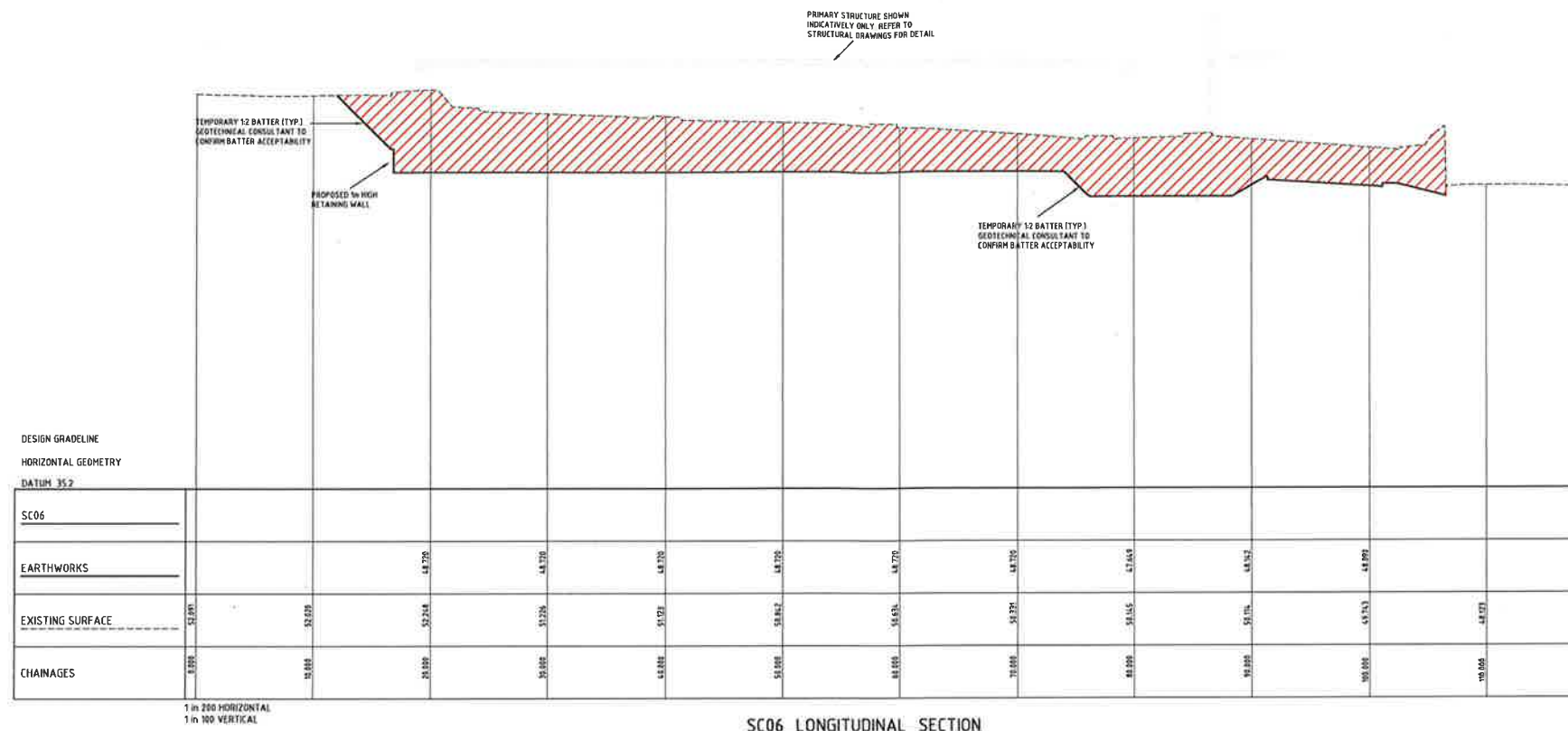
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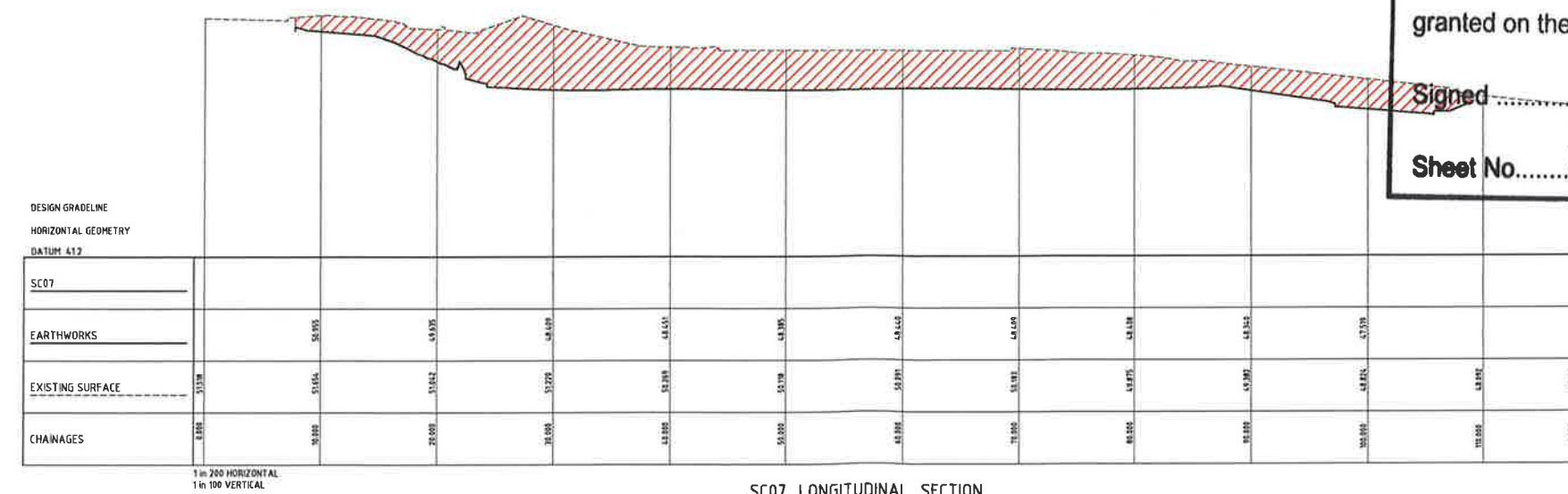
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NOTE: ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE TRADE PACKAGE COVER SHEET AND NOTES.



SC06 LONGITUDINAL SECTION



SC07 LONGITUDINAL SECTION

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granted on the 25 FEB 2019

Signed EW

Sheet No. 63 of 67

LEGEND

CUT FROM EXISTING SURFACE TO BULK EARTHWORK LEVEL

FILL FROM EXISTING SURFACE TO BULK EARTHWORKS LEVEL

- NOTES**
- REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (IE EDGE BEAMS, ETC)
 - EXISTING GROUND LINE IS INTERPOLATED FROM SITE SURVEY SUPPLIED BY CARON PTY LTD DRAWING No. 11817502 REV 04 DATED 07.06.2017

Client: **NSW Health Infrastructure**

CPB CONTRACTORS
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BUN ARCHITECTURE PTY LTD
TEL 02 8597 7200 FAX 02 8597 7299
STEINSEN VARMING
TEL 02 9607 2200
ELECTRICAL (FEDERAL)

STEINSEN VARMING
TEL 02 9607 2200
FEDERAL

WSP
TEL 02 9290 1312 FAX 02 9290 1295
BUNDOOL PTY LTD

ENVIRONMENTAL
FIRE SERVICES
LANDSCAPE
MEDICAL GAS
PROJECT

REMARKS PROJECT NUMBER
DRAWING NO.

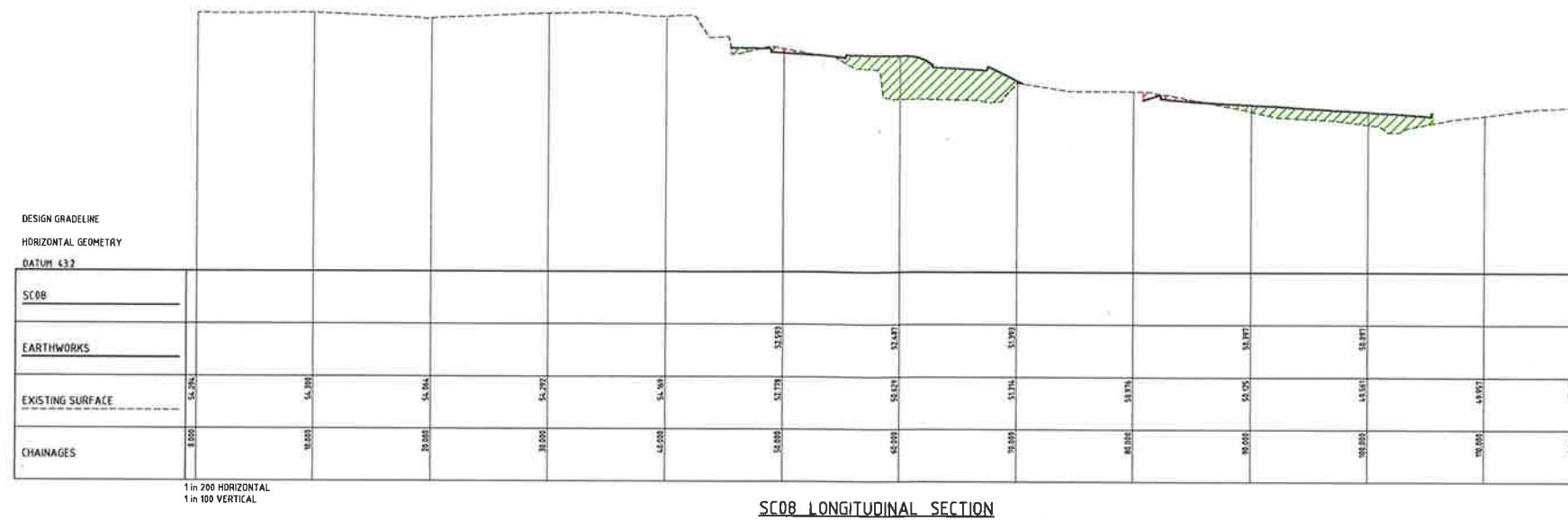
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DATE
10/01/2019

PROJECT NAME
BULK EARTHWORKS LONGITUDINAL SECTIONS SHEET 5

DRAWN BY
0002105

CHECKED BY
B



NSW GOVERNMENT | **Planning & Environment**

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Approved Application No. SSD 8766

granted on the 25 FEB 2019

Signed [Signature]

Sheet No. 64 of 67

- NOTES
- REFER TO STRUCTURAL DRAWINGS FOR DETAILED EXCAVATION TO BUILDING STRUCTURES (IE EDGE BEAMS, ETC)
 - EXISTING GROUND LINE IS INTERPOLATED FROM SITE SURVEY SUPPLIED BY CARDNO PTY LTD DRAWING No. 11817592 REV 04 DATED 07.06.2017

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NOTE

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DESIGNED BY

DRAWN BY

PROJECT DIRECTOR APPROVAL

DATE

NSW Health Infrastructure

CPB CONTRACTORS

TEL 02 9414 3333 FAX 02 9414 3600

ARCHITECTURE

BVN ARCHITECTURE PTY LTD

TEL 02 8097 7200 FAX 02 8267 7269

MECHANICAL

STEENSEN VARMING

TEL 02 9567 2200

ELECTRICAL ENGINEERING

STEENSEN VARMING

TEL 02 9567 2200

MECHANICAL

WSP

TEL 02 9599 1312 FAX 02 9290 1295

SCAFFOLDING

EDWARDS PWR

PRELIMINARY

LANDSCAPE

MECHANICAL

PROJECT

NEPEAN HOSPITAL

DERBY STREET

KINGSTOWN NSW 2747

BONACCI PROJECT TEAM

PROJECT

TRUE NORTH

PROJECT NORTH

STATUS

PRELIMINARY

DRAWING

BULK EARTHWORKS

LONGITUDINAL SECTIONS

SHEET 6

DRAWING NUMBER

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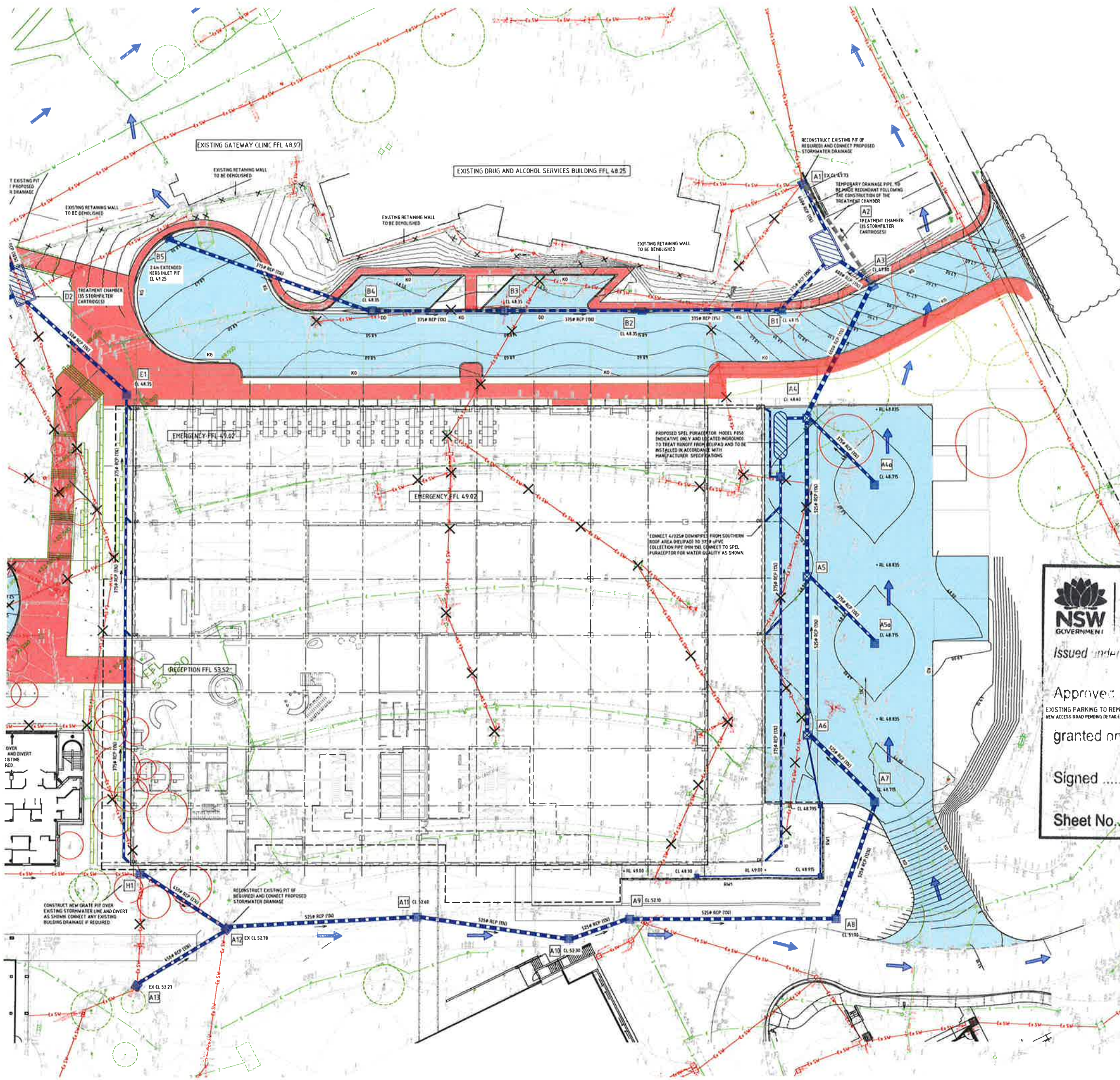
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19/04/19 9:54 AM

FOR CONTINUATION REFER TO DRAWING NHR-BON-DRAW-CIV-TB1-ALL-0003001



SURVEY LEGEND

- EX SURFACE LEVEL
- EX SURFACE CONTOUR
- EX STORMWATER DRAINAGE LINE SHOWN INDICATIVELY ONLY (NO SURVEY PROVIDED)
- EX SEWER LINE
- EX WATER MAIN
- EX GAS LINE
- EX TELECOMMUNICATIONS LINE
- EX ELECTRICAL LINE
- EX TREE

SITEWORKS LEGEND

- EXISTING FINISHED SURFACE LEVEL
- FINISHED SURFACE LEVEL
- FINISHED SURFACE CONTOUR
- SURFACE INLET PIT
- JUNCTION PIT
- KERB INLET PIT
- STORMWATER LINE
- GRATED DRAIN
- EX STORMWATER LINE & PIT TO BE MADE REDUNDANT
- OVERLAND FLOW
- RETAINING WALL

PAVEMENT LEGEND

- ASPHALTIC CONCRETE SHALL CONFORM TO AS2506 AND THE SPECIFICATIONS
- ASPHALT PAVEMENT 320mm DBB20 50mm AC10 (2 LAYERS)
- CONCRETE FOOTPATH 150mm CONCRETE SLAB 2 TOP, 50mm SAND BEDDING

- STORMWATER NOTES**
- GRATE SIZE DOES NOT NECESSARILY REFLECT PIT SIZE, AND SHOULD BE READ IN CONJUNCTION WITH THE PIT TYPE DETAILS. FINAL INTERNAL PIT DIMENSIONS ARE TO COMPLY WITH AS 3500.
 - PITS TO BE 900x900 UNO
 - ALL PITS TO BE LOCKABLE AND FRAME TO BE BOLTED TO PIT.
 - ALL CAST IRON LIDS TO BE BOLTED TO PIT WITH M12 4.6/5 BOLTS.
 - ENVIROPODS MUST BE ADDED TO ALL EXTERNAL PITS. ENVIROPODS MUST BE INSTALLED 150mm MIN UNDER THE GRATE. IF THE PIT HAS A RECEIVING GRATED DRAIN CHANNEL THE PLASTIC SKIRTING AROUND THE ENVIROPOD MUST BE BELOW THE CHANNEL INVERT AND THE TOP FRAME 100mm MIN BELOW THE DRAINAGE SURFACE.

NSW GOVERNMENT Planning & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. **SSD 8766**

granted on the **25 FEB 2019**

Signed *[Signature]*

Sheet No. **66** of **67**

DIAL BEFORE YOU DIG
The Essential First Step

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRELIMINARY LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE IL OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE

BONACCI

INTELLECTUAL PROPERTY

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DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
PROJECT: [Signature]
DATE: [Signature]

NSW Health Infrastructure

CPB CONTRACTORS
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TEL: 02 9297 7000 FAX: 02 9297 7296
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STEENSEN VARMING
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ELECTRICAL / CABLE

STEENSEN VARMING
TEL: 02 9587 2200
HOBASITE

WSP
TEL: 02 9280 1312 FAX: 02 9280 1296
BGA/ODA/FIRE

EXISTING DRAIN

FILE REFERENCES

LANDSCAPE

MATERIAL

PROJECT

REPAIRS/PROJECT NUMBER

DRAWING

TRUE NORTH

SCALE
1:100 (DO NOT SCALE)

STATUS
PRELIMINARY

SITEWORKS AND STORMWATER DRAINAGE PLAN - SHEET 2

DRAWING NUMBER
NHR-BON-DRAW-CIV-TB1-ALL-0003002

SCALE
C



Planning & Environment

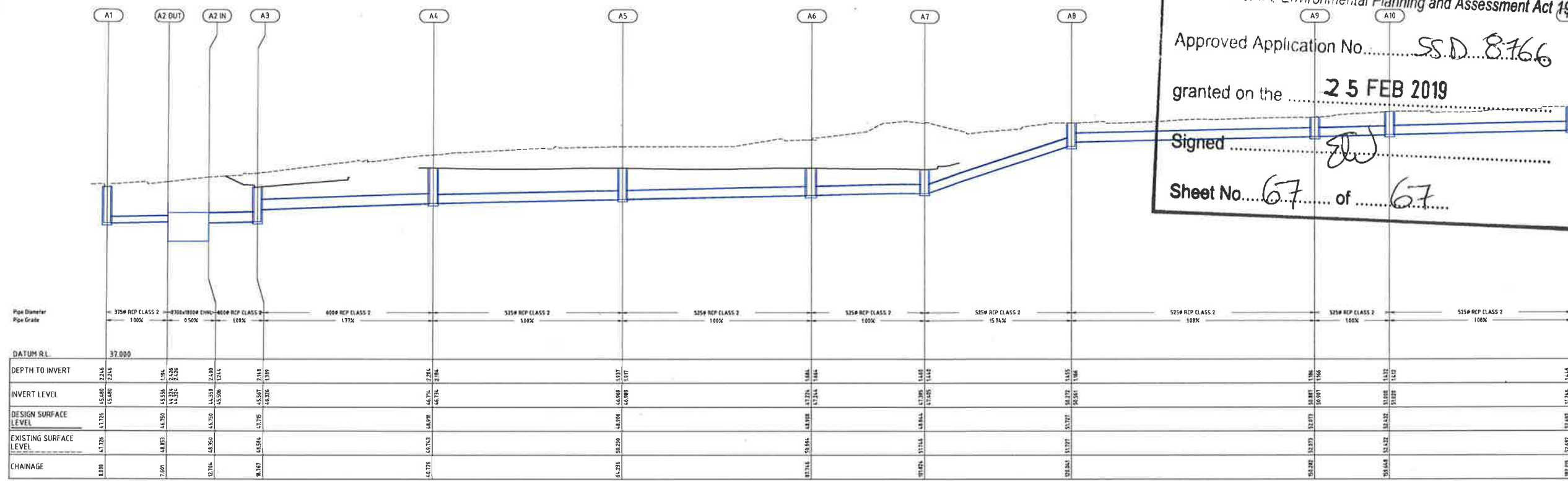
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SS.D. 8766

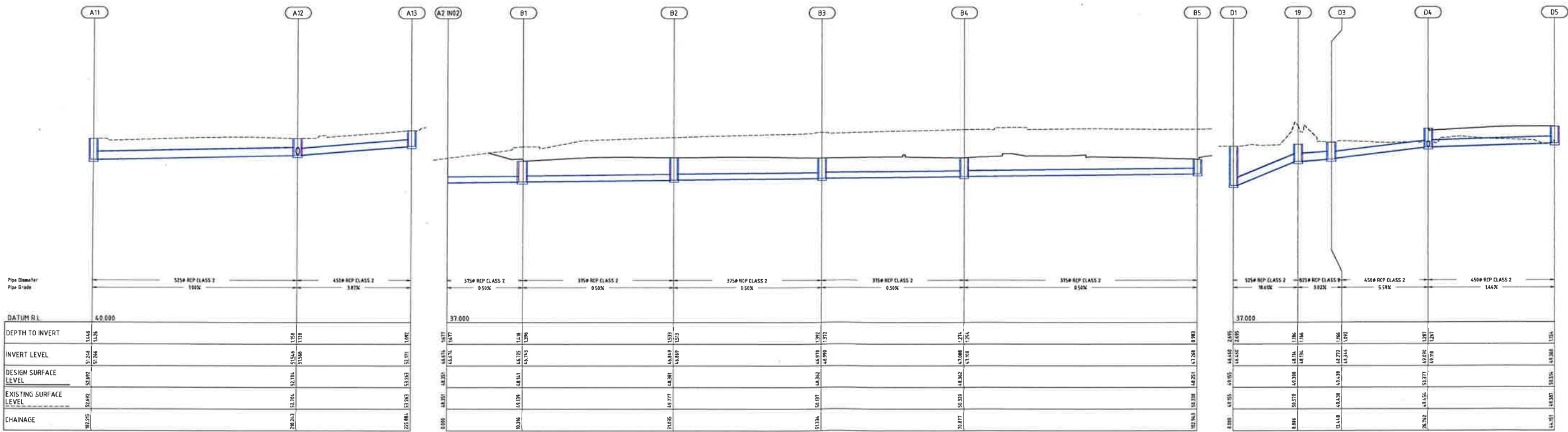
granted on the 25 FEB 2019

Signed [Signature]

Sheet No. 67 of 67



DRAINAGE LINE A



DRAINAGE LINE A

DRAINAGE LINE B

DRAINAGE LINE D

BONACCI

INTELLECTUAL PROPERTY

DATE	BY	REVISION

NOTE: ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE TRADE PACKAGE COVER SHEET AND NOTES

Designed: JH
Drawn: JH
Project Director Approval: _____ Date: _____



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MCA/DA/PRE

ESD/GREEN STAR

FIRE SERVICES

LANDSCAPE

WATER/GAS

PROJECT

PROJECT NUMBER

DRAWING KEY



TRUE NORTH PROJECT NORTH

SCALE 1:500 (SEE NOTE 10.1)

STATUS PRELIMINARY

DRAWING

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1

DRAWING NUMBER 0003011

DATE 10/12/2018