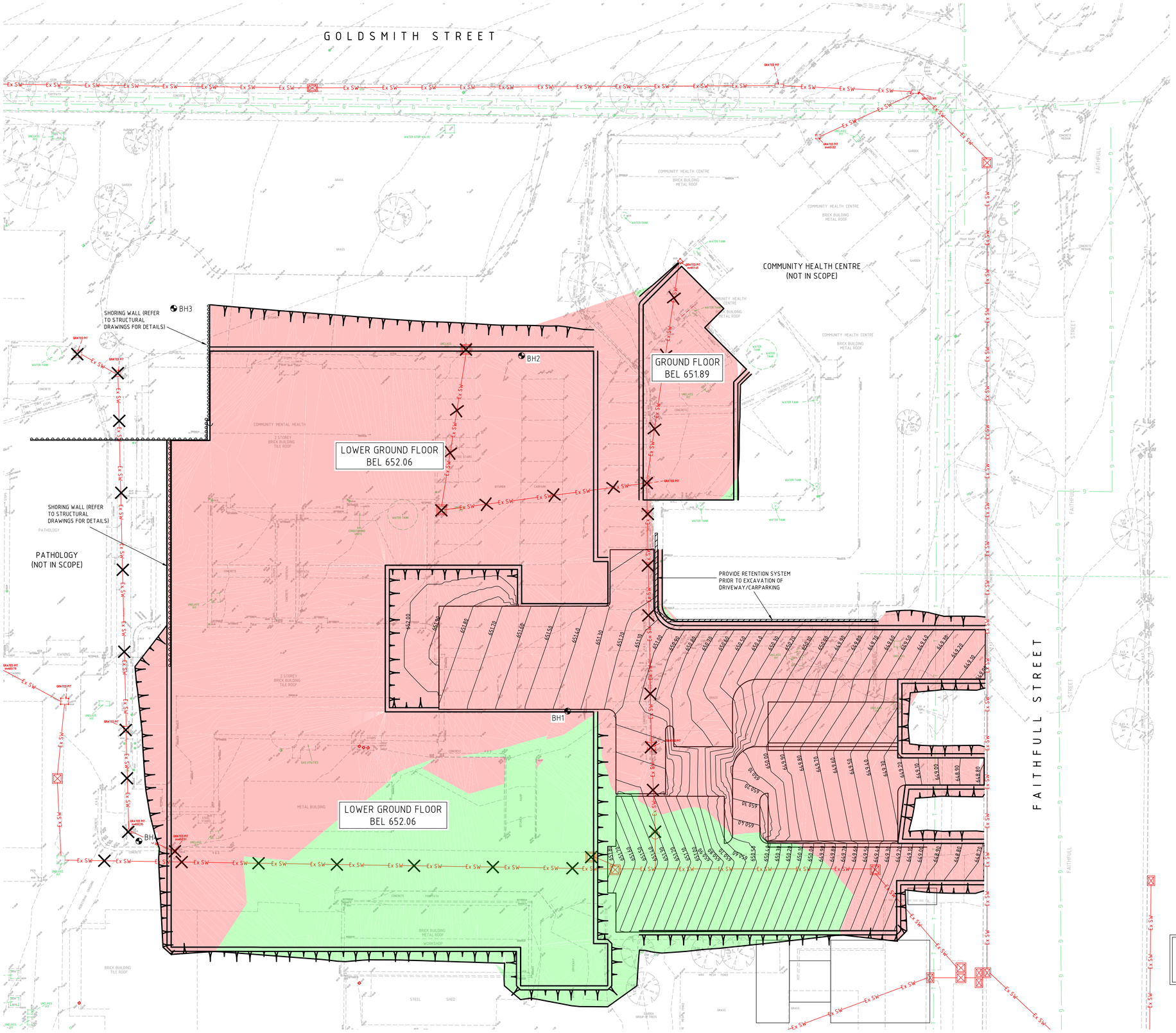


BULK EARTHWORKS LEGEND

NOTE

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

Ex SW	EXISTING STORMWATER DRAINAGE LINE (SHOWN INDICATIVELY ONLY - NO SURVEY PROVIDED)
BEL 652.11	FINISHED BULK EXCAVATION LEVEL
650.50	FINISHED BULK EXCAVATION CONTOUR LEVEL
	EXTENT OF CUT TO BULK EARTHWORKS LEVEL CUT VOLUME = 4960 m^3
	EXTENT OF FILL TO BULK EARTHWORKS LEVEL FILL VOLUME = 710 m^3
	EXCESS = 4250 m^3

EXCAVATION NOTES

E1 THIS DRAWING ONLY DETAILS BULK EARTHWORKS ASSOCIATED WITH THE BUILDING SLAB (IGNORING STRUCTURAL FOOTINGS, BEAMS AND COLUMNS).

E2 PROVIDE TEMPORARY 1 IN 2 BATTERS MAXIMUM. GEOTECH TO CONFIRM BATTER ACCEPTABILITY DURING CONSTRUCTION.

E3 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.

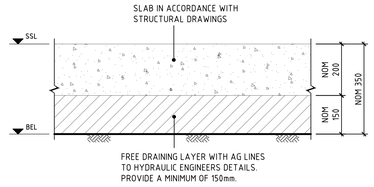
E4 REFER TO ARBORIST REPORT FOR TREE PROTECTION MEASURES IF REQUIRED.

E5 NOM. 350mm ZONE BELOW FINISHED BASEMENT SLAB LEVEL HAS BEEN ALLOWED FOR (REFER DETAIL BELOW).

E6 NOM. 340mm ZONE BELOW FINISHED ROAD LEVELS HAS BEEN ALLOWED (REFER DETAIL BELOW)

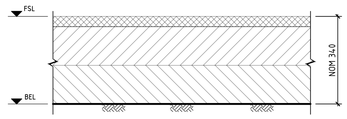
E7 500mm ZONE OFFSET FROM BUILDING AND ROAD PERIMETER HAS BEEN ALLOWED FOR FORM WORK.

E8 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.



BUILDING BULK EXCAVATION DETAIL

SCALE 1:10



ROADWORKS BULK EXCAVATION DETAIL

SCALE 1:10

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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.

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

SCALE 1:200 — 0m 2m 4m 8m 12m

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Rev	Description	Date	By	App
P2	PRELIMINARY ISSUE	26.09.17	JF	-
P1	PRELIMINARY ISSUE	18.09.17	JF	-

Rev	Description	Date	By	App

NSW GOVERNMENT Health Infrastructure
14/77 Pacific Hwy,
North Sydney,
NSW 2060
T +61 2 9978 5402
www.hinfra.health.nsw.gov.au/

BONACCI
BONACCI GROUP (NSW) Pty Ltd
ABN 29 102 716 352
Consulting Engineers, Structural - Civil - Infrastructure
Level 6, 37 York Street, Sydney, NSW 2000 Australia
Tel: +61 2 8247 8400 Fax: +61 2 8247 8444
sydney@bonaccigroup.com
www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS DETAIL PLAN EARLY WORKS

PRELIMINARY

Designed	JF	Project Director Approved	Date
Drawn	JF		
Scale	1:200		
Date	SEPT 2017		
Sheet	B1		

North

Project Ref	Drawing No	Rev
20 21726 01	C011	P2

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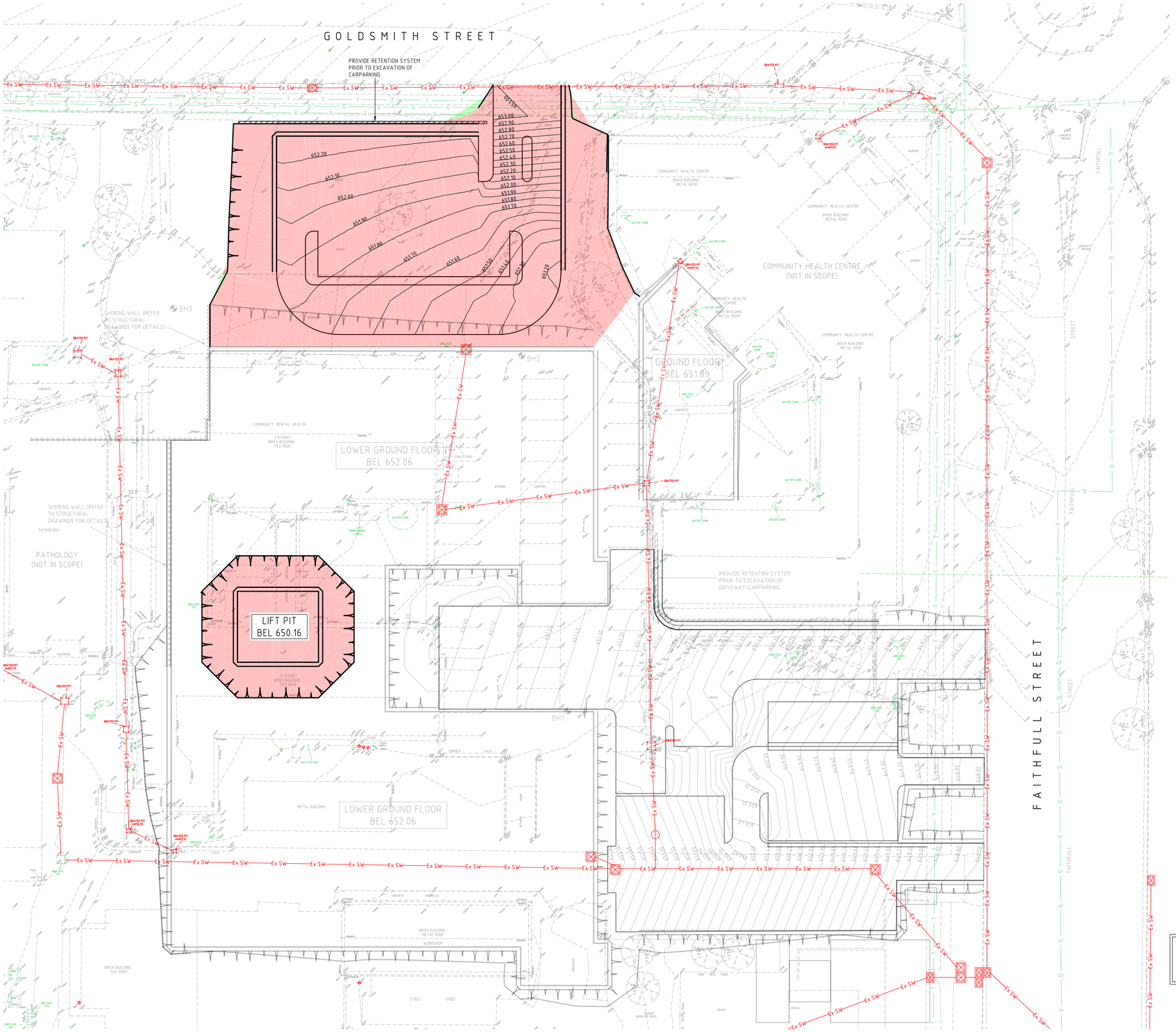

BULK EARTHWORKS LEGEND

NOTE

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

Ex SW	EXISTING STORMWATER DRAINAGE LINE (SHOWN INDICATIVELY ONLY - NO SURVEY PROVIDED)
BEL 652.11	FINISHED BULK EXCAVATION LEVEL
650.50	FINISHED BULK EXCAVATION CONTOUR LEVEL
	EXTENT OF CUT TO BULK EARTHWORKS LEVEL CUT VOLUME = 3080 m^3
	EXTENT OF FILL TO BULK EARTHWORKS LEVEL FILL VOLUME = 0 m^3
	EXCESS = 3080 m^3

EXCAVATION NOTES

E1 THIS DRAWING ONLY DETAILS BULK EARTHWORKS ASSOCIATED WITH THE BUILDING SLAB (IGNORING STRUCTURAL FOOTINGS, BEAMS AND COLUMNS).

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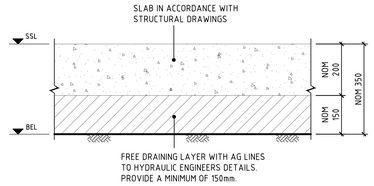
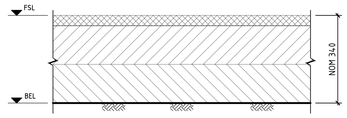


BUILDING BULK EXCAVATION DETAIL

SCALE 1:10



ROADWORKS BULK EXCAVATION DETAIL

SCALE 1:10

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SCALE 1:200 — 0m 2m 4m 8m 12m

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P1	PRELIMINARY ISSUE	26.09.17	JF	-

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14/77 Pacific Hwy, North Sydney, NSW 2060
T +61 2 9978 5402
www.hinfra.health.nsw.gov.au/

BONACCI
BONACCI GROUP (NSW) Pty Ltd
ABN 29 102 716 352
Consulting Engineers, Structural - Civil - Infrastructure
Level 6, 37 York Street, Sydney, NSW 2000 Australia
Tel: +61 2 8247 8400 Fax: +61 2 8247 8444
sydney@bonaccigroup.com
www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS DETAIL PLAN MAIN WORKS

PRELIMINARY

Designed	JF	Project Director Approved	Date
Drawn	JF		
Scale	1:200	Project Ref	Drawing No / Rev
Date	SEPT 2017	20 21726 01	C012 P1
Sheet	B1		

North

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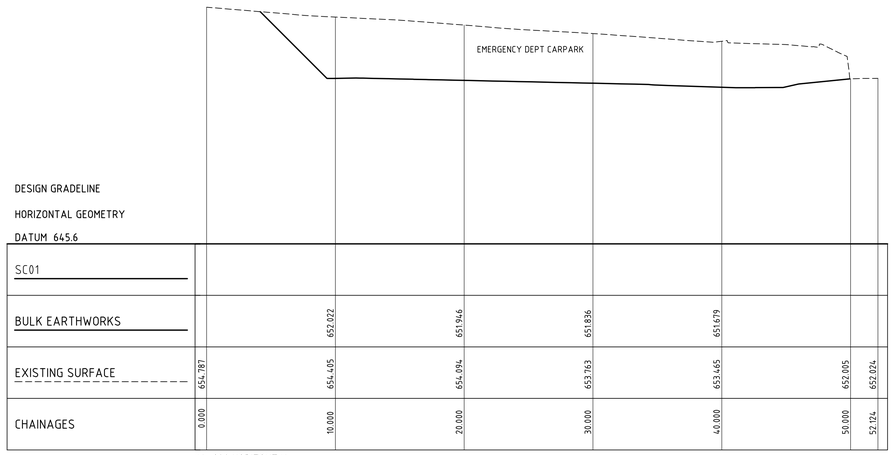
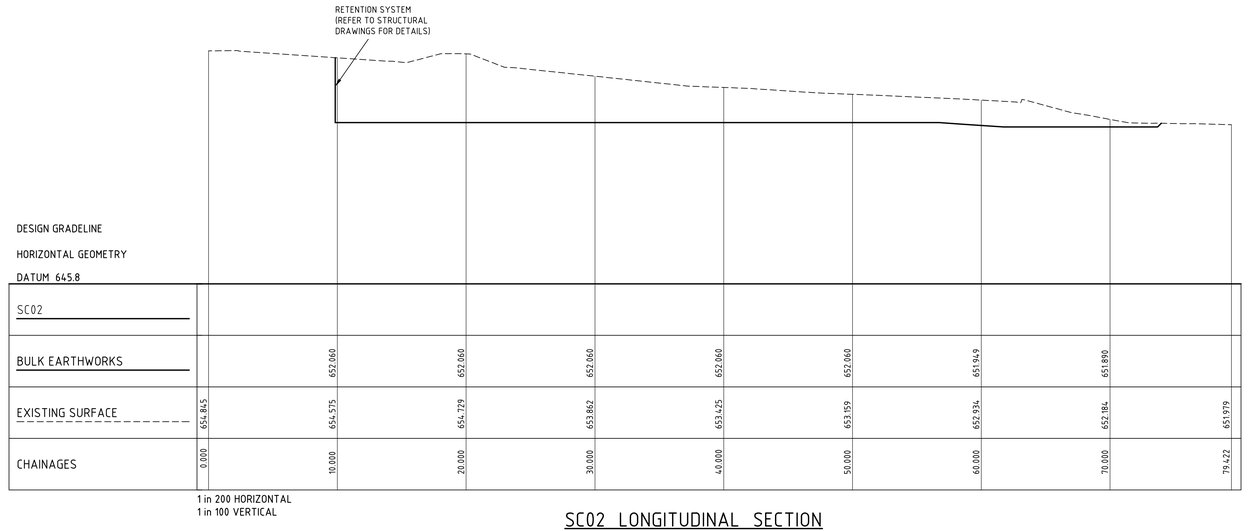
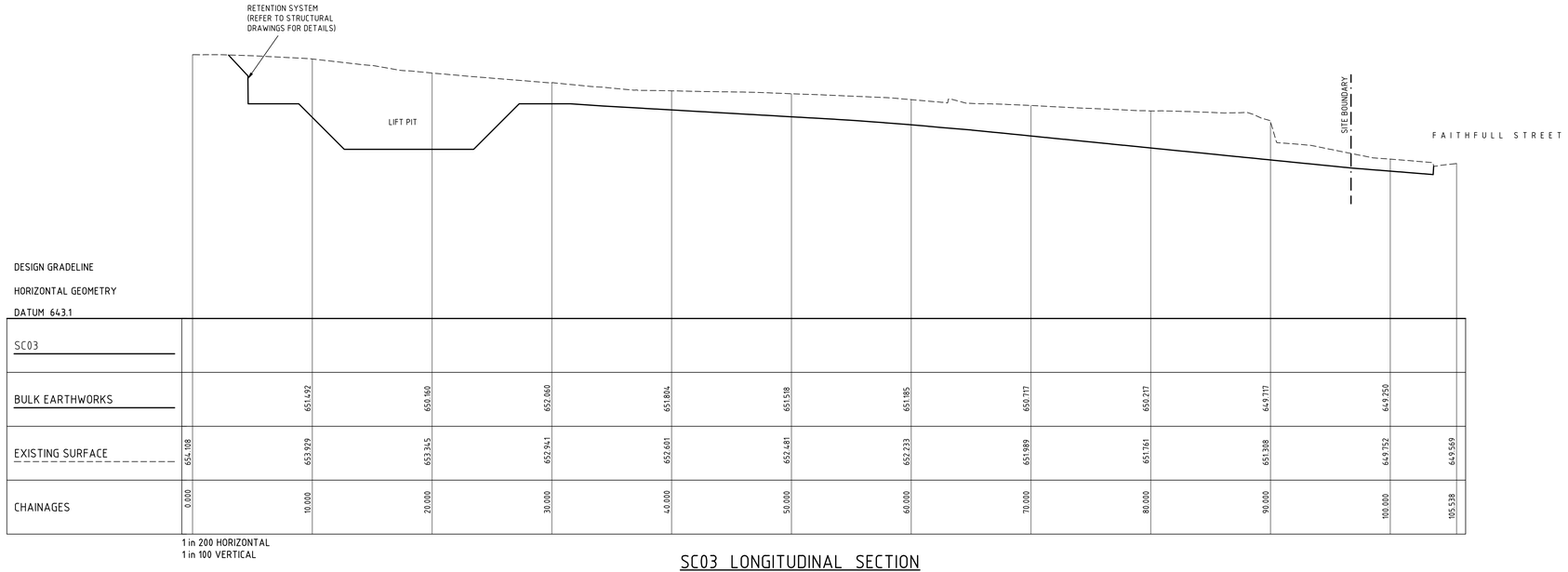


SC01 LONGITUDINAL SECTION



SC02 LONGITUDINAL SECTION



SC03 LONGITUDINAL SECTION

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 CARDNO PTY LTD DRAWING No. 117806501 REV 01 DATED 11.12.2015

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Rev	Description	Date	By	App
P1	PRELIMINARY ISSUE	18.09.17	JF	-

Rev	Description	Date	By	App

NSW GOVERNMENT Health Infrastructure
14/77 Pacific Hwy,
North Sydney,
NSW 2060
T +61 2 9978 5402
www.hinfra.health.nsw.gov.au/

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BONACCI GROUP (NSW) Pty Ltd
ABN 29 102 716 352
Consulting Engineers. Structural - Civil - Infrastructure
Level 6, 37 York Street, Sydney, NSW 2000 Australia
Tel: +61 2 8247 8400 Fax: +61 2 8247 8444
sydney@bonaccigroup.com
www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS SECTIONS SHEET 1

PRELIMINARY

Designed JF
Drawn JF
Scale AS SHOWN
Date SEPT 2017
Sheet B1

Project Director Approved
Date
North

Project Ref 20 21726 01
Drawing No C015
Rev P1

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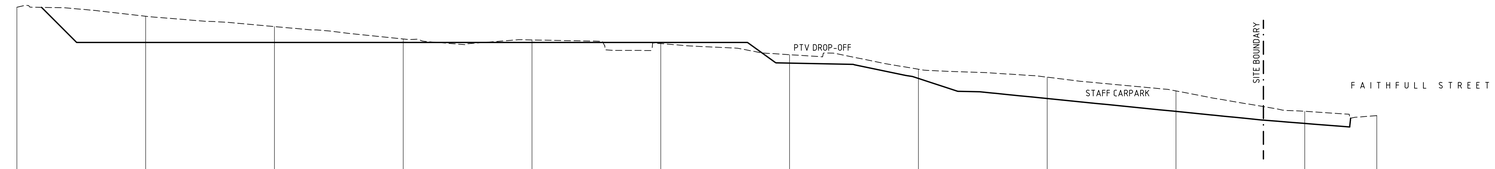


DESIGN GRADELINE

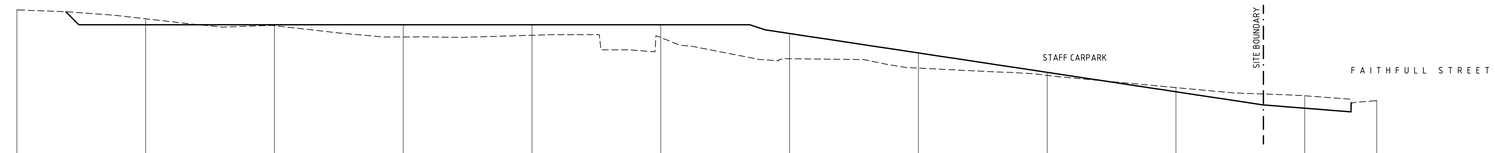
HORIZONTAL GEOMETRY

DATUM 642.7

SC04												
BULK EARTHWORKS		652.060	652.060	652.060	652.060	652.060	651.260	650.665	649.885	649.385	648.919	
EXISTING SURFACE	653.428	653.078	652.679	652.196	652.159	652.019	651.587	651.022	650.714	650.182	649.388	649.219
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	105.601

1 in 200 HORIZONTAL
1 in 100 VERTICAL

SC04 LONGITUDINAL SECTION



DESIGN GRADELINE

HORIZONTAL GEOMETRY

DATUM 642.6

SC05												
BULK EARTHWORKS		652.060	652.060	652.060	652.060	652.060	651.718	650.944	650.210	649.457	648.818	
EXISTING SURFACE	652.635	652.290	652.023	651.584	651.650	651.560	650.739	650.375	650.093	649.618	649.301	649.110
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	105.601

1 in 200 HORIZONTAL
1 in 100 VERTICAL

SC05 LONGITUDINAL SECTION

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 CARDNO PTY LTD DRAWING No. 117806501 REV 01 DATED 11.12.2015

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Rev	Description	Date	By	App

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14/77 Pacific Hwy,
North Sydney,
NSW 2060
T +61 2 9978 5402
www.hinfra.health.nsw.gov.au/

BONACCI
BONACCI GROUP (NSW) Pty Ltd
ABN 29 102 716 352
Consulting Engineers, Structural - Civil - Infrastructure
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sydney@bonaccigroup.com
www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS SECTIONS SHEET 2

PRELIMINARY

Designed JF
Drawn JF
Scale AS SHOWN
Date SEPT 2017
Sheet B1

Project Director Approved Date

North

Project Ref 20 21726 01 | Drawing No C016 | Rev P1

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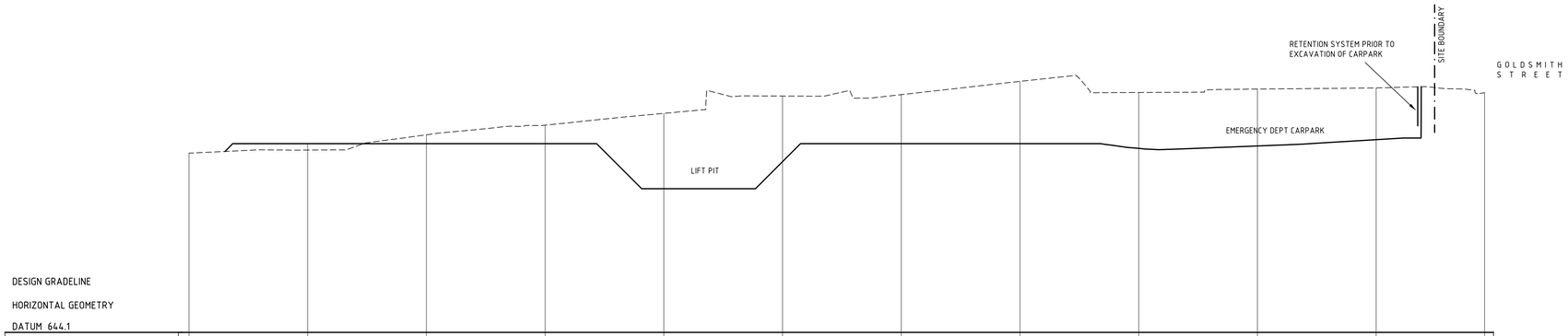


DESIGN GRADELINE

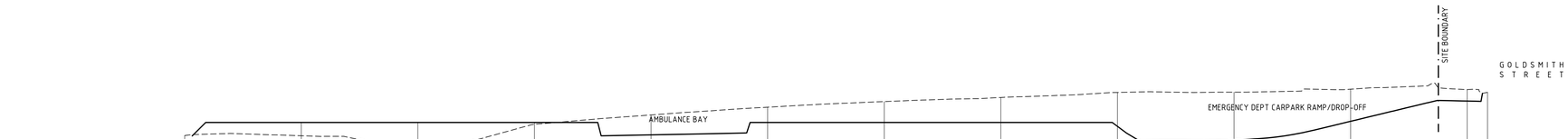
HORIZONTAL GEOMETRY

DATUM 644.1

SC06													
BULK EARTHWORKS		652.060	652.060	652.060	650.160	651.303	652.060	652.060	651.864	651.963	652.228		
EXISTING SURFACE	651.662	651.788	652.433	652.839	653.337	654.068	654.126	654.686	654.217	654.260	654.409	654.211	
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	109.141	

1 in 200 HORIZONTAL
1 in 100 VERTICAL

SC06 LONGITUDINAL SECTION



DESIGN GRADELINE

HORIZONTAL GEOMETRY

DATUM 644.6

SC07													
BULK EARTHWORKS		652.060	652.060	652.060	651.528	652.060	652.060	652.060	651.893	651.297	652.108	652.974	
EXISTING SURFACE	651.500	651.491	650.693	651.977	652.379	652.710	652.951	653.127	653.340	653.353	653.480	653.465	653.345
CHAINAGES	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	111.743

1 in 200 HORIZONTAL
1 in 100 VERTICAL

SC07 LONGITUDINAL SECTION

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 CARDNO PTY LTD DRAWING No. 117806501 REV 01 DATED 11.12.2015

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14/77 Pacific Hwy,
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www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS SECTIONS SHEET 3

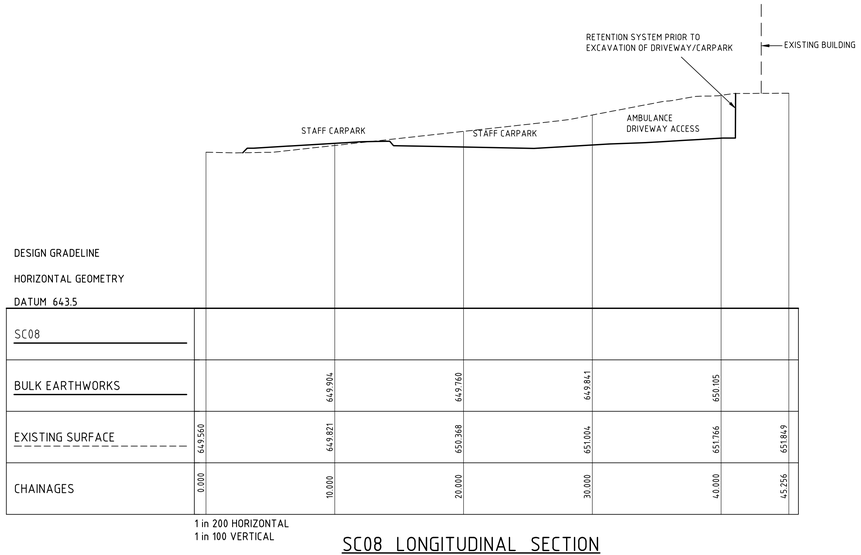
PRELIMINARY

Designed JF
Drawn JF
Scale AS SHOWN
Date SEPT 2017
Sheet B1

Project Director Approved | Date | North

Project Ref 20 21726 01 | Drawing No C017 | Rev P1

File: C:\Jobs\2021726\01_Civil\Issue\Dwg\202172601C-C017-CADP1.dwg Plotted: 18.09.17 at 3:30 PM By: Jonathan Franco



SC08 LONGITUDINAL SECTION

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 CARDNO PTY LTD DRAWING No. 117806501 REV 01 DATED 11.12.2015

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P1	PRELIMINARY ISSUE	18.09.17	JF	-

Rev	Description	Date	By	App

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www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: BULK EARTHWORKS SECTIONS SHEET 4

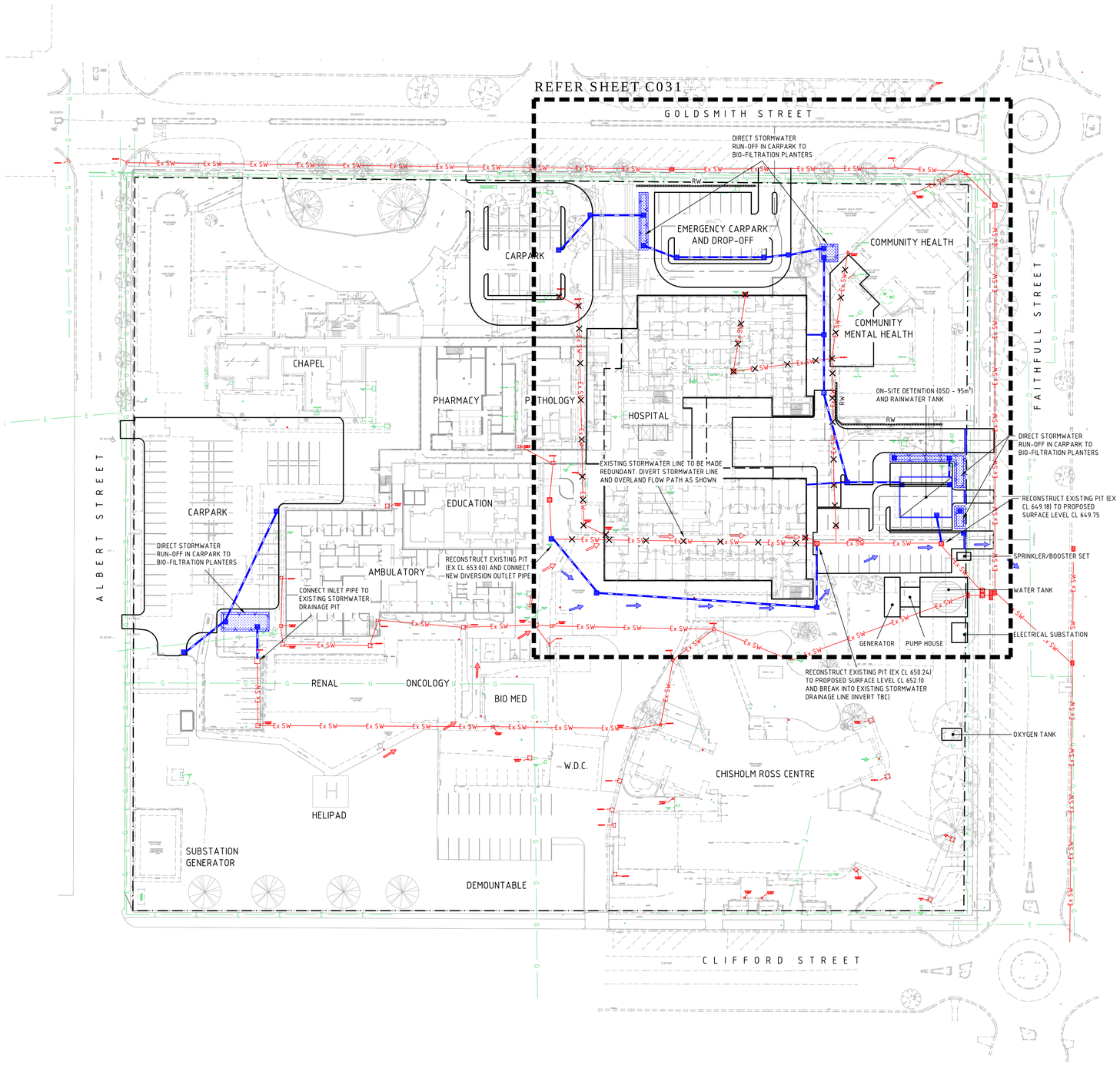
PRELIMINARY

Designed JF
Drawn JF
Scale AS SHOWN
Date SEPT 2017
Sheet B1

Project Director Approved Date North

Project Ref 20 21726 01 Drawing No C018 Rev P1

File: G:\Jobs\2021726101_Civil\Issued\Dwg\2021726101-C018-CAD[P1].dwg Plotted: 18.09.17 at 3:30 PM By: Jonathan Franco



SURVEY LEGEND

- SITE BOUNDARY
- 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

- SURFACE INLET PIT
- JUNCTION PIT
- KERB INLET PIT
- STORMWATER LINE
- GRATED DRAIN
- EX STORMWATER LINE & PIT TO BE MADE REDUNDANT
- OVERLAND FLOW
- EXISTING OVERLAND FLOW TO REMAIN
- EXISTING OVERLAND FLOW TO BE RE DIRECTED
- RETAINING WALL
- BATTER

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THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

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

SCALE 1:500 — 0m 5m 10m 20m 30m

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NSW GOVERNMENT Health Infrastructure
14/77 Pacific Hwy,
North Sydney,
NSW 2060
T +61 2 9978 5402
www.hinfra.health.nsw.gov.au/

BONACCI
BONACCI GROUP (NSW) Pty Ltd
ABN 29 102 716 352
Consulting Engineers, Structural - Civil - Infrastructure
Level 6, 37 York Street, Sydney, NSW 2000 Australia
Tel: +61 2 8247 8400 Fax: +61 2 8247 8444
sydney@bonaccigroup.com
www.bonaccigroup.com

Project Name: GOULBURN HOSPITAL AND HOSPITAL SERVICES REDEVELOPMENT

Drawing Title: GENERAL ARRANGMENT PLAN

PRELIMINARY

Designed	JF	Project Director Approved	Date
Drawn	JF		North
Scale	1:500	Project Ref	Drawing No / Rev
Date	SEPT 2017	20 21726 01	C030 P1
Sheet	B1		

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