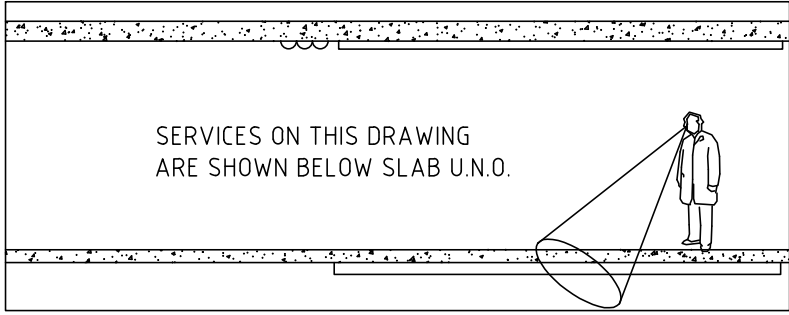


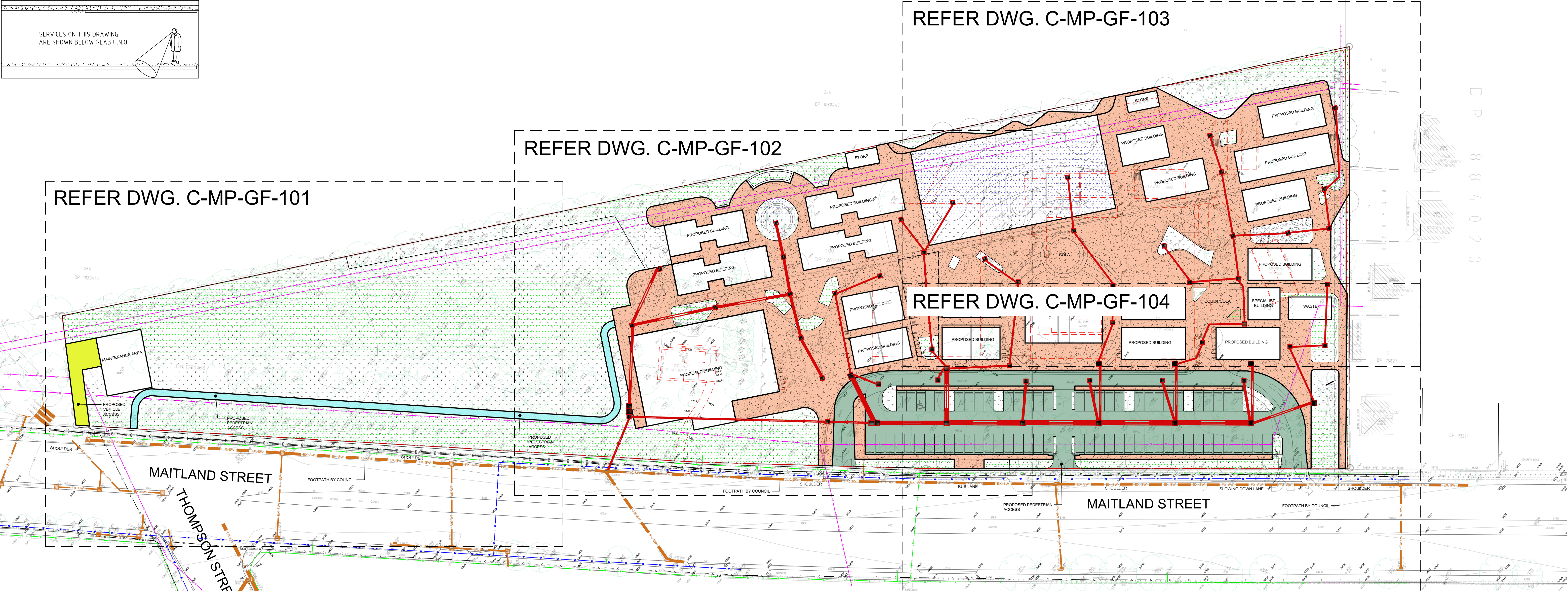


REFER DWG. C-MP-GF-103

REFER DWG. C-MP-GF-102

REFER DWG. C-MP-GF-101

REFER DWG. C-MP-GF-104



LEGEND

- AAPT LINE
COMMS LINE
ELECTRICAL LINE
FIRE LINE
GAS LINE
WATER LINE
NBN LINE
OPTUS LINE
TPG LINE
TELECOMMUNICATION LINE
OVERFLOW PATH
SEWER LINE
SEWER EXISTING LINE
SUBSOIL DRAINAGE LINE
SITE BOUNDARY
DEMOLISHED
EXISTING STORMWATER LINE
PROPOSED CONTOUR
GRATED STORMWATER PIT
KERB INLET PIT
TELEPHONE PIT
DOWN PIPE
FLOOR WASTE
- AAPT
C
E
F
GAS
W
NBN
OP
TPG
T
OFFP
S
EX.S
SSD
EX. SW
EX. SW
EXISTING STORMWATER PIT
EXISTING DOWN PIPE
NEW GRATED DRAIN
- DP
FW
Ex.DP

SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

- HATCH DENOTES CONCRETE SLAB TOP
REFER TO DWG. C-0-GE-20 FOR TYPICAL SLAB JOINT DETAILS.
- HATCH DENOTES FLEXIBLE PAVEMENT
REFER TO DWG. C-0-GE-21 FOR SPECIFICATION.
- HATCH DENOTES ARTIFICIAL TURF
- HATCH DENOTES SOFT LANDSCAPE
- HATCH DENOTES GRAVEL FOOTPATH

CIVIL WORKS - SITE MASTER PLAN
SCALE 1:500

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P2	REVISIONS AS REQUESTED		16-08-21
P1	PRELIMINARY CONCEPT		05-08-21
ISSUE	DESCRIPTION	APPROVED	DATE

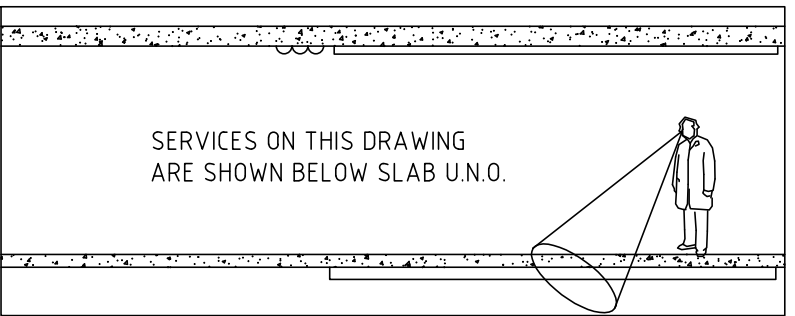
ARCHITECT
NBRSARCHITECTURE.
Sydney
61 2 9922 2344
nbrsarchitecture.com

BIRZULIS
ASSOCIATES
CONSULTING STRUCTURAL & CIVIL ENGINEERS
583 DARLING STREET ROZELLE NSW 2039
tel: (02) 9555 7230 email: office@birzulisassociates.com
www.birzulisassociates.com

PROJECT
Pacific Brook Christian School,
Muswellbrook - MASTER PLAN
72 - 74 Maitland Street, Muswellbrook NSW

TITLE
SITE MASTER PLAN

SCALES	as noted @ A1	DATE	JULY 2021
DRAWN	CA	DESIGN	CA
VERIFIED		APPROVED	
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ISSUE	PROJECT No.	DRAWING No.	
P2	7855	C-MP-GF-100	



LEGEND

AAPT LINE	— AAPT —	AAPT LINE	— AAPT —
COMMS LINE	— C —	COMMS LINE	— C —
ELECTRICAL LINE	— E —	ELECTRICAL LINE	— E —
FIRE LINE	— F —	FIRE LINE	— F —
GAS LINE	— GAS —	GAS LINE	— GAS —
WATER LINE	— W —	WATER LINE	— W —
NBN LINE	— NBN —	NBN LINE	— NBN —
OPTUS LINE	— OP —	OPTUS LINE	— OP —
TPG LINE	— TPG —	TPG LINE	— TPG —
TELECOMMUNICATION LINE	— T —	TELECOMMUNICATION LINE	— T —
OVERFLOW PATH	— OFP —	OVERFLOW PATH	— OFP —
SEWER LINE	— S —	SEWER LINE	— S —
SEWER EXISTING LINE	— EX.S —	SEWER EXISTING LINE	— EX.S —
SUBSOIL DRAINAGE LINE	— SSD —	SUBSOIL DRAINAGE LINE	— SSD —
SITE BOUNDARY	— —	SITE BOUNDARY	— —
DEMOLISHED	— —	DEMOLISHED	— —
EXISTING STORMWATER LINE	— EX. SW —	EXISTING STORMWATER LINE	— EX. SW —
PROPOSED CONTOUR	— —	PROPOSED CONTOUR	— —

GRATED STORMWATER PIT	EXISTING STORMWATER PIT
KERB INLET PIT	
TELEPHONE PIT	
DOWN PIPE	EXISTING DOWN PIPE
FLOOR WASTE	NEW GRATED DRAIN

SERVICES SHOWN ON PLAN ARE INDICATIVE. EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

HATCH DENOTES CONCRETE SLAB TOP	REFER TO DWG. C-0-GE-20 FOR TYPICAL SLAB JOINT DETAILS.
HATCH DENOTES FLEXIBLE PAVEMENT	REFER TO DWG. C-0-GE-21 FOR SPECIFICATION.
HATCH DENOTES SOFT LANDSCAPE	
HATCH DENOTES ARTIFICIAL TURF	
HATCH DENOTES GRAVEL FOOTPATH	

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P2	REVISIONS AS REQUESTED		16-08-21
P1	PRELIMINARY CONCEPT		05-08-21
ISSUE	DESCRIPTION	APPROVED	DATE

ARCHITECT	NBR ARCHITECTURE.
Sydney	61 2 9922 2344
	nbrsarchitecture.com

BIRZULIS ASSOCIATES
CONSULTING STRUCTURAL & CIVIL ENGINEERS
583 DARLING STREET ROZELLE NSW 2039
tel: (02) 9555 7230 email: office@birzulisassociates.com
www.birzulisassociates.com

PROJECT	Pacific Brook Christian School, Muswellbrook - MASTER PLAN
	72 - 74 Maitland Street, Muswellbrook NSW

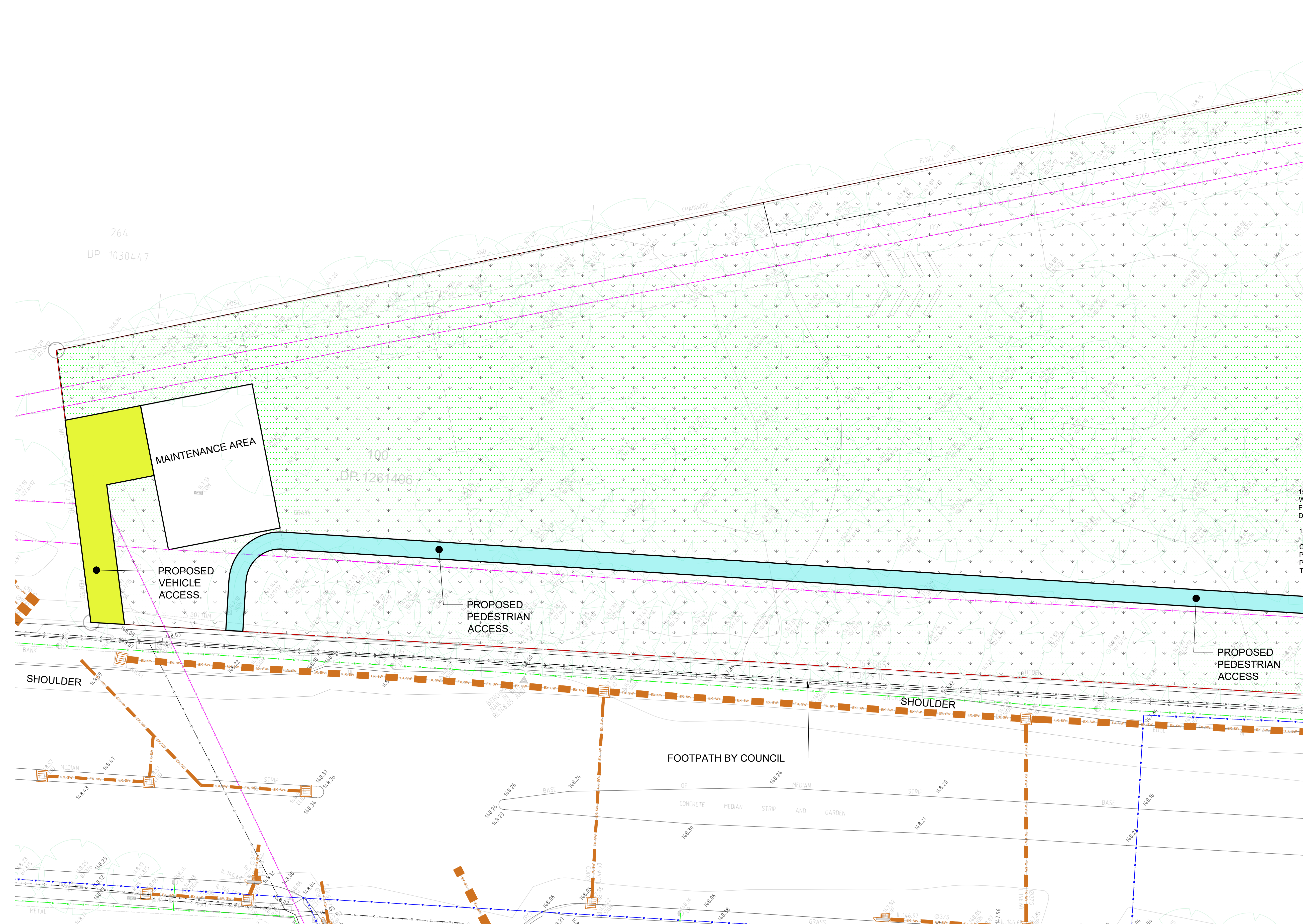
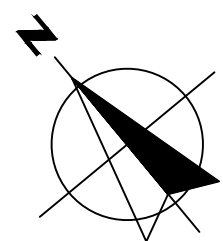
TITLE	CIVIL WORKS MASTER PLAN - SHEET 1
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SCALES	as noted @ A1	DATE	JULY 2021
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DRAWN	CA	DESIGN	CA	VERIFIED		APPROVED	
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ISSUE	PROJECT No.	DRAWING No.
P2	7855	C-MP-GF-101

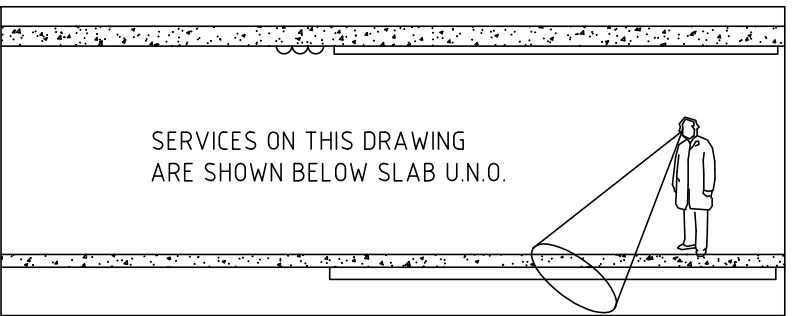


CIVIL WORKS MASTER PLAN - SHEET 1

SCALE 1:200

NOTE:

- ROOF DRAINAGE BY OTHERS
- ALL uPVC STORMWATER DRAINAGE LINES SHALL BE 'CLASS SH' SEWER GRADE UNLESS NOTED OTHERWISE
- UNLESS NOTED OTHERWISE DOWNPIPES SHALL CONNECT TO THE MAIN STORMWATER LINE DOWNSTREAM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL
- UNLESS NOTED OTHERWISE GRATED DRAINS SHALL BE 150x150 AND CONNECTED TO THE DOWNSTREAM (NON-CHARGED) STORMWATER SYSTEM



LEGEND

AAPT LINE	AAPT	AAPT
COMMS LINE	C	C
ELECTRICAL LINE	E	E
FIRE LINE	F	F
GAS LINE	GAS	GAS
WATER LINE	W	W
NBN LINE	NBN	NBN
OPTUS LINE	OP	OP
TPG LINE	TPG	TPG
TELECOMMUNICATION LINE	T	T
OVERFLOW PATH	OFF	OFF
SEWER LINE	S	S
SEWER EXISTING LINE	EX.S	EX.S
SUBSOIL DRAINAGE LINE	SSD	SSD
SITE BOUNDARY		
DEMOLISHED		
EXISTING STORMWATER LINE	EX. SW	EX. SW
PROPOSED CONTOUR		
GRATED STORMWATER PIT		EXISTING STORMWATER PIT
KERB INLET PIT		
TELEPHONE PIT		
DOWN PIPE	DP	EXISTING DOWN PIPE
FLOOR WASTE	FW	NEW GRATED DRAIN
		Ex.DP

SERVICES SHOWN ON PLAN ARE INDICATIVE. EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

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	HATCH DENOTES SOFT LANDSCAPE
	HATCH DENOTES ARTIFICIAL TURF
	HATCH DENOTES GRAVEL FOOTPATH

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

ISSUE	REVISIONS AS REQUESTED PRELIMINARY CONCEPT	APPROVED	DATE
P2			16-08-21
P1			05-08-21

ARCHITECT	NBR SARCHITECTURE. Sydney 61 2 9922 2344	nbrsarchitecture.com
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	BIRZULIS ASSOCIATES CONSULTING STRUCTURAL & CIVIL ENGINEERS 583 DARLING STREET ROZELLE NSW 2039 tel: (02) 9555 7230 email: office@birzulisassociates.com www.birzulisassociates.com
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PROJECT	Pacific Brook Christian School, Muswellbrook - MASTER PLAN 72 - 74 Maitland Street, Muswellbrook NSW
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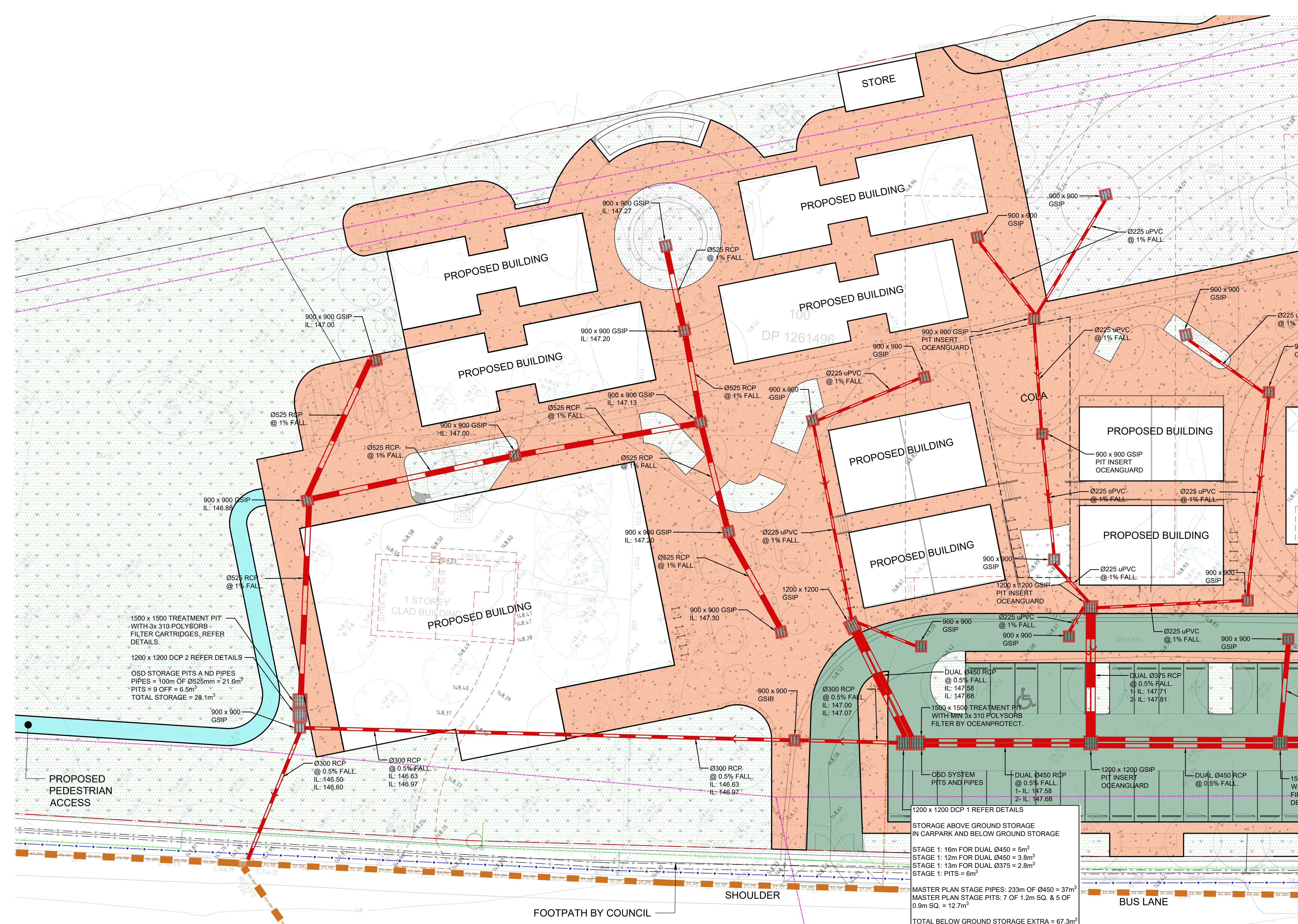
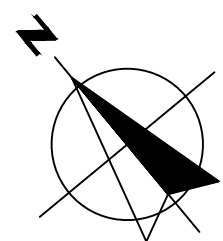
TITLE	CIVIL WORKS MASTER PLAN - SHEET 2
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SCALES	as noted @ A1	DATE	JULY 2021
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DRAWN	CA	DESIGN	CA	VERIFIED	APPROVED
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ISSUE	PROJECT No.	DRAWING No.
P2	7855	C-MP-GF-102



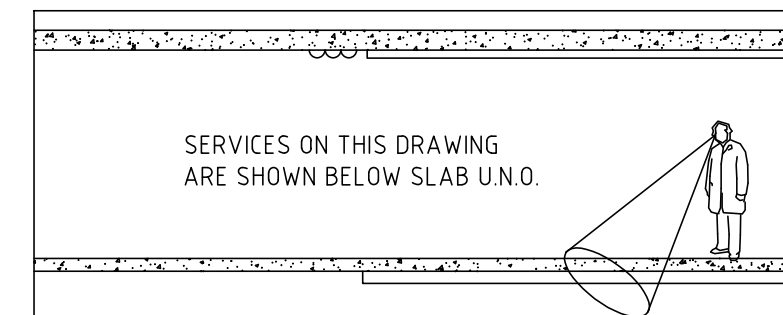
CIVIL WORKS MASTER PLAN - SHEET 2

SCALE 1:200

NOTE:

- ROOF DRAINAGE BY OTHERS
- ALL uPVC STORMWATER DRAINAGE LINES SHALL BE 'CLASS SH' SEWER GRADE UNLESS NOTED OTHERWISE
- UNLESS NOTED OTHERWISE DOWNPIPES SHALL CONNECT TO THE MAIN STORMWATER LINE DOWNSTREAM USING 150mm DIAMETER uPVC LINES WITH MINIMUM 1% FALL.
- UNLESS NOTED OTHERWISE GRATED DRAINS SHALL BE 150x150 AND CONNECTED TO THE DOWNSTREAM (NON-CHARGED) STORMWATER SYSTEM

1200 x 1200 DCP 1 REFER DETAILS
STORAGE ABOVE GROUND STORAGE
IN CARPARK AND BELOW GROUND STORAGE
STAGE 1: 16m FOR DUAL Ø450 = 5m³
STAGE 1: 12m FOR DUAL Ø450 = 3.8m³
STAGE 1: 13m FOR DUAL Ø375 = 2.8m³
STAGE 1: PITS = 6m³
MASTER PLAN STAGE PIPES: 233m OF Ø450 = 37m³
MASTER PLAN STAGE PITS: 7 OF 1.2m SQ. & 5 OF
0.9m SQ. = 12.7m³
TOTAL BELOW GROUND STORAGE EXTRA = 67.3m³



LEGEND

AAPT LINE	AAPT	AAPT
COMMS LINE	C	C
ELECTRICAL LINE	E	E
FIRE LINE	F	F
GAS LINE	GAS	GAS
WATER LINE	W	W
NBN LINE	NBN	NBN
OPTUS LINE	OP	OP
TPG LINE	TPG	TPG
TELECOMMUNICATION LINE	T	T
OVERFLOW PATH	OFF	OFF
SEWER LINE	S	S
SEWER EXISTING LINE	EX.S	EX.S
SUBSOIL DRAINAGE LINE	SSD	SSD
SITE BOUNDARY		
DEMOLISHED		
EXISTING STORMWATER LINE	EX. SW	EX. SW
PROPOSED CONTOUR		
GRATED STORMWATER PIT		EXISTING STORMWATER PIT
KERB INLET PIT		
TELEPHONE PIT		
DOWN PIPE	DP	EXISTING DOWN PIPE
FLOOR WASTE	FW	NEW GRATED DRAIN
		Ex.DP

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HATCH DENOTES SOFT LANDSCAPE	
HATCH DENOTES ARTIFICIAL TURF	
HATCH DENOTES GRAVEL FOOTPATH	

PRELIMINARY ISSUE NOT FOR CONSTRUCTION

P2	REVISIONS AS REQUESTED		16-08-21
P1	PRELIMINARY CONCEPT		05-08-21
ISSUE	DESCRIPTION	APPROVED	DATE

ARCHITECT	NBR SARCHITECTURE.	nbrsarchitecture.com
Sydney	61 2 9922 2344	

BIRZULIS ASSOCIATES	CONSULTING STRUCTURAL & CIVIL ENGINEERS
583 DARLING STREET ROZELLE NSW 2039	tel: (02) 9555 7230 email: office@birzulisassociates.com
www.birzulisassociates.com	

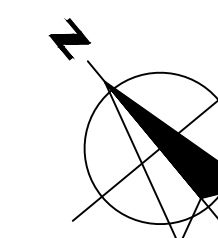
PROJECT	Pacific Brook Christian School, Muswellbrook - MASTER PLAN
72 - 74 Maitland Street, Muswellbrook NSW	

TITLE	CIVIL WORKS MASTER PLAN - SHEET 3
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SCALES	as noted @ A1	DATE	JULY 2021
DRAWN	CA	DESIGN	CA
VERIFIED		APPROVED	

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ISSUE	PROJECT No.	DRAWING No.
P2	7855	C-MP-GF-103

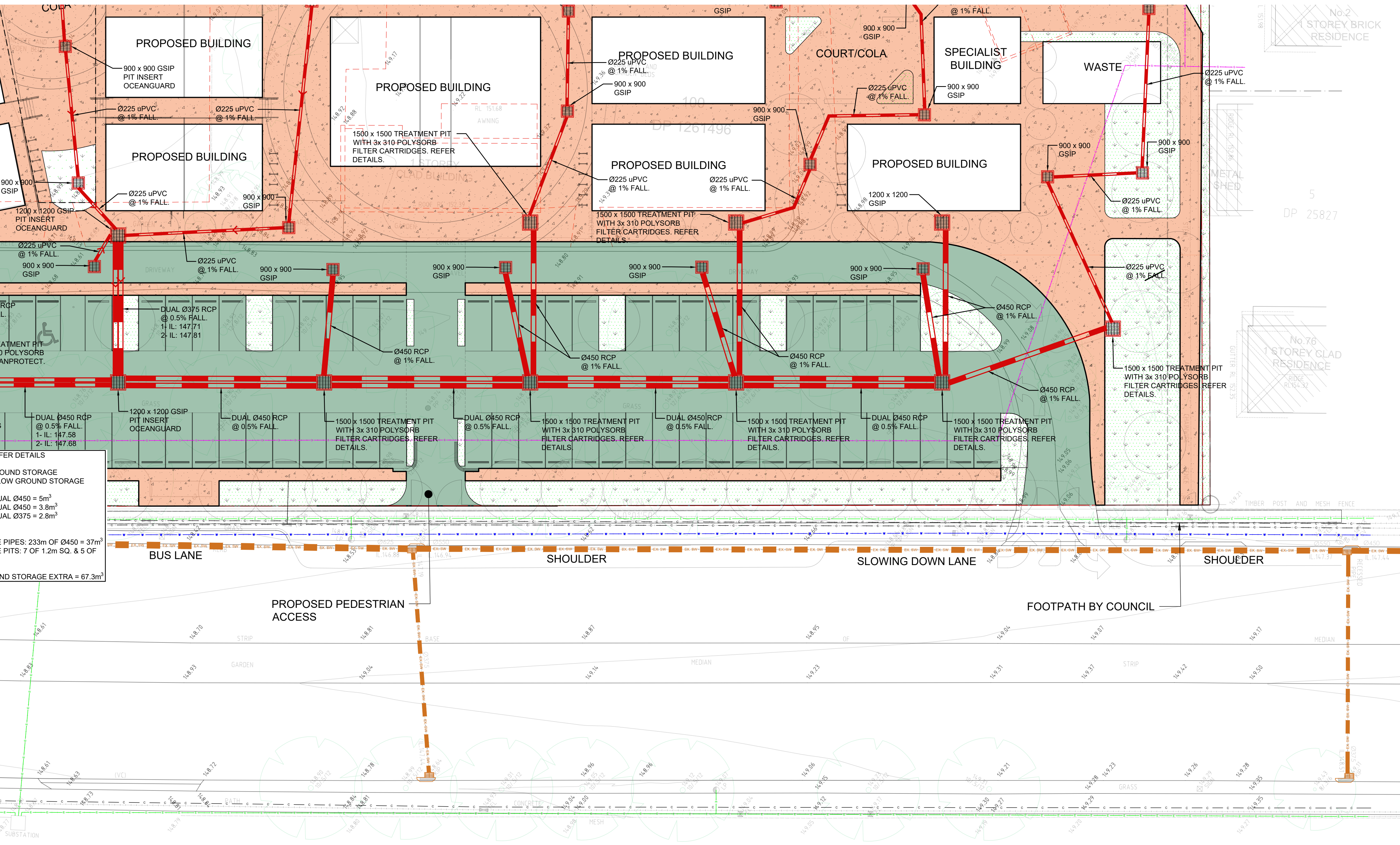


CIVIL WORKS MASTER PLAN - SHEET 3

SCALE 1:200

NOTE:

- ROOF DRAINAGE BY OTHERS
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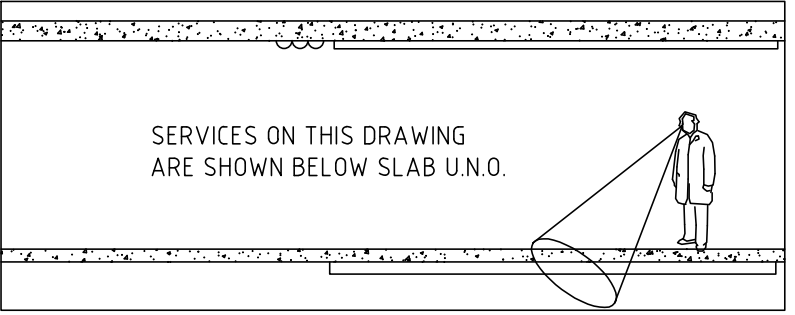
PER DETAILS

OUND STORAGE
OW GROUND STORAGE

JAL Ø450 = 5m³
JAL Ø450 = 3.8m³
JAL Ø375 = 2.8m³

PIPES: 233m OF Ø450 = 37m³
PITS: 7 OF 1.2m SQ. & 5 OF

ND STORAGE EXTRA = 67.3m³



LEGEND

- AAPT LINE
 - COMMS LINE
 - ELECTRICAL LINE
 - FIRE LINE
 - GAS LINE
 - WATER LINE
 - NBN LINE
 - OPTUS LINE
 - TPG LINE
 - TELECOMMUNICATION LINE
 - OVERFLOW PATH
 - SEWER LINE
 - SEWER EXISTING LINE
 - SUBSOIL DRAINAGE LINE
 - SITE BOUNDARY
 - DEMOLISHED
 - EXISTING STORMWATER LINE
 - PROPOSED CONTOUR
 - GRATED STORMWATER PIT
 - KERB INLET PIT
 - TELEPHONE PIT
 - DOWN PIPE
 - FLOOR WASTE
- AAPT
 - C
 - E
 - F
 - GAS
 - W
 - NBN
 - OP
 - TPG
 - Y
 - OFFP
 - S
 - EX.S
 - SSD
 - EX. SW
 - EXISTING STORMWATER PIT
 - EXISTING DOWN PIPE
 - Ex.DP
 - NEW GRATED DRAIN

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- HATCH DENOTES ARTIFICIAL TURF
- HATCH DENOTES GRAVEL FOOTPATH

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

P2	REVISIONS AS REQUESTED		16-08-21
P1	PRELIMINARY CONCEPT		05-08-21
ISSUE	DESCRIPTION	APPROVED	DATE

ARCHITECT
NBRSARCHITECTURE.
Sydney
61 2 9922 2344
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ASSOCIATES
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583 DARLING STREET ROZELLE NSW 2039
tel: (02) 9555 7230 email: office@birzulisassociates.com
www.birzulisassociates.com

PROJECT
Pacific Brook Christian School,
Muswellbrook - MASTER PLAN
72 - 74 Maitland Street, Muswellbrook NSW

TITLE
CIVIL WORKS MASTER PLAN
- SHEET 4

SCALES	as noted @ A1	DATE	JULY 2021
DRAWN	CA	DESIGN	CA
VERIFIED		APPROVED	
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ISSUE	PROJECT No.	DRAWING No.	
P2	7855	C-MP-GF-104	

- CIVIL WORKS MASTER PLAN - SHEET 4
SCALE 1:200
- NOTE:
- ROOF DRAINAGE BY OTHERS
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