Design
for a better
future /

HUNT ARCHITECTS

ALLIED PINNACLE FLOUR AND MAIZE MILL

PROPOSED MODIFICATION (DA-318-12-2004)

NOVEMBER 2021

PUBLIC

APPENDIX A

ARCHITECTURAL PLANS

NOTE: NO SILICONE SEALANTS TO BE BROUGHT TO SITE

NO	DATE	AMENDMENT	CHECKED
A	27-04-2021	FOR CLIENT REVIEW	MC
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I	13-07-2021	ISSUED FOR REVIEW	MC
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K	15-09-2021	REVISION AS CLOUDED	MC
L	28-10-2021	REVISION AS CLOUDED - MEZZANINE & GROUND FLOOR UPDATED	MC

1 DP 1128013

01 NEW CARPARK BAYS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

BITUMEN CARPARK

EXISTING CAR PARK SHOWN IN GREY BACKGROUND EMPLOYEE PARKING

04 NEW CARPARK BAYS

34 33 32 31 30 29 28 27 26 25 24 23

2 EXISTING CAR BAYS REMOVED FOR DRIVEWAY

22 21 20 19

BITUMEN DRIVEWAY

ADD NEW SPEED BUMP

EXISTING BOLLARD

RELOCATE EXISTING SIGNAGE TO OPPOSITE SIDE OF DRIVE WAY

EXISTING SPEED BUMP

RELOCATE EXISTING SIGNAGE TO OPPOSITE SIDE OF DRIVE WAY

CONCRETE DRIVEWAY

10 NEW CARPARK BAYS

PEDESTRIAN WALKWAY

EXISTING TRUCK DRIVEWAY

EXISTING BUILDING

EXISTING BUILDING

A1 A2 A3 A4 A5 A6

WAREHOUSE

EXISTING DRIVEWAY

B5 B4 B3 B2 B1

CONCRETE PATH

GAS TANKS

STEEL STAIRS

CONCRETE SURFACE

VACUUM SYSTEM

CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

RAIL CONTAINER

AREA TO BE LEVELED & COMPACTED

SITE OFFICE

LUNCH ROOM

AREA TO BE LEVELED & COMPACTED

PARTS CONTAINER PARTS CONTAINER

PARTS CONTAINER PARTS CONTAINER

9000

30000

4000

3000

CONCRETE

LPC FILLING STATION

CHAIN WIRE FENCE

PRIVATE RAIL LINE

1 SITE PLAN
1 : 200

PRELIMINARY
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e: office@huntarchitects.com.au

Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

SITE PLAN

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 200	DATE	28-10-2021
PHA DRAWING No.	AR-A-0100	REV.	L
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	L

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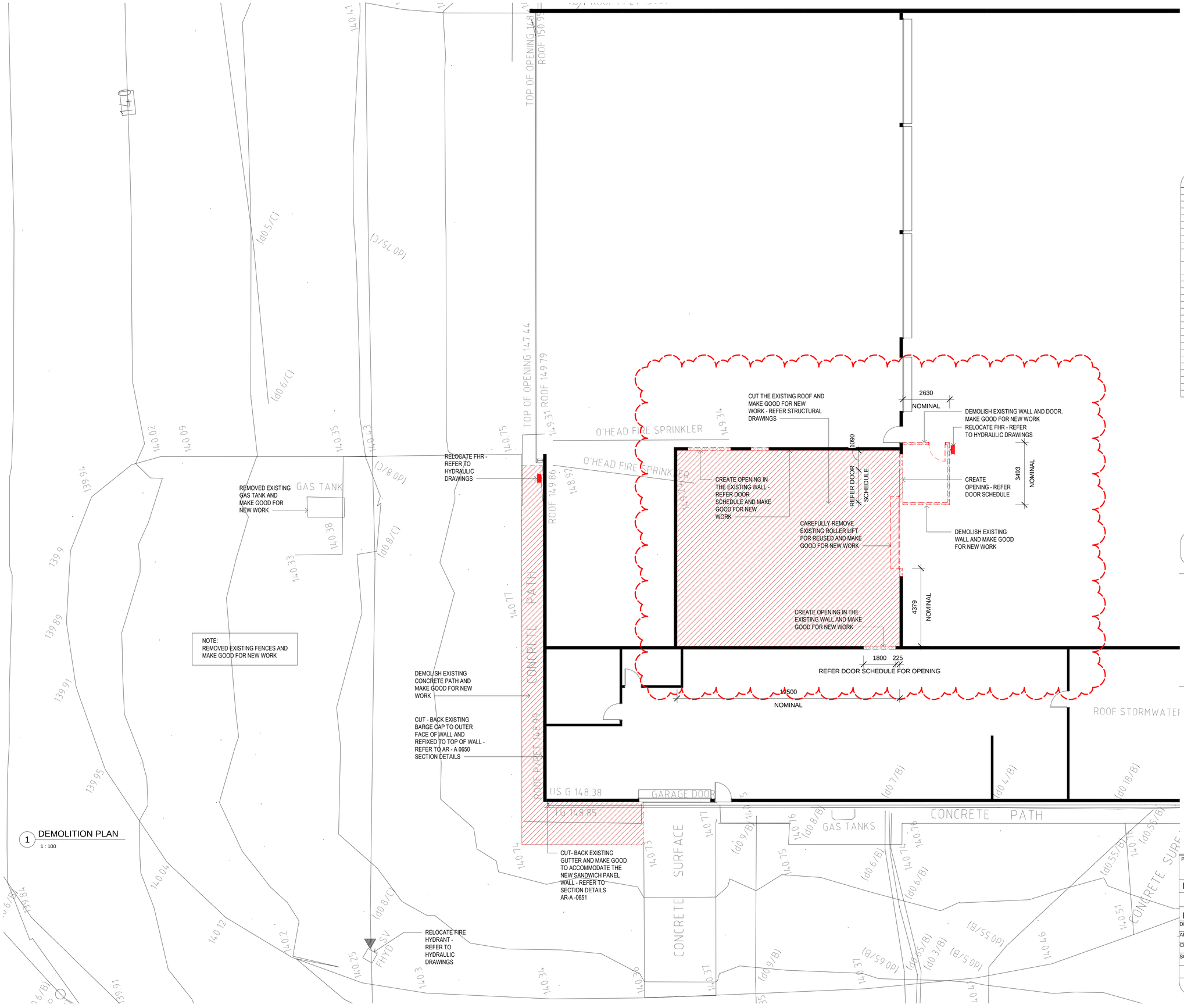

1 DEMOLITION PLAN
1 : 100

Demolition Legend

LEGEND

- BOUNDARY
- SETBACK LINES
- FLOOD FRINGE
- FLOODWAY
- TO BE DEMOLISHED
- TREE TO BE REMOVED

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PHASE 1

DEMOLITION PLAN

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	As indicated	DATE	28-10-2021
PHA Project No.	2113	PHA DRAWING No.	AR-A-0200
CLIENT DRAWING No.			REV. K

REV. K

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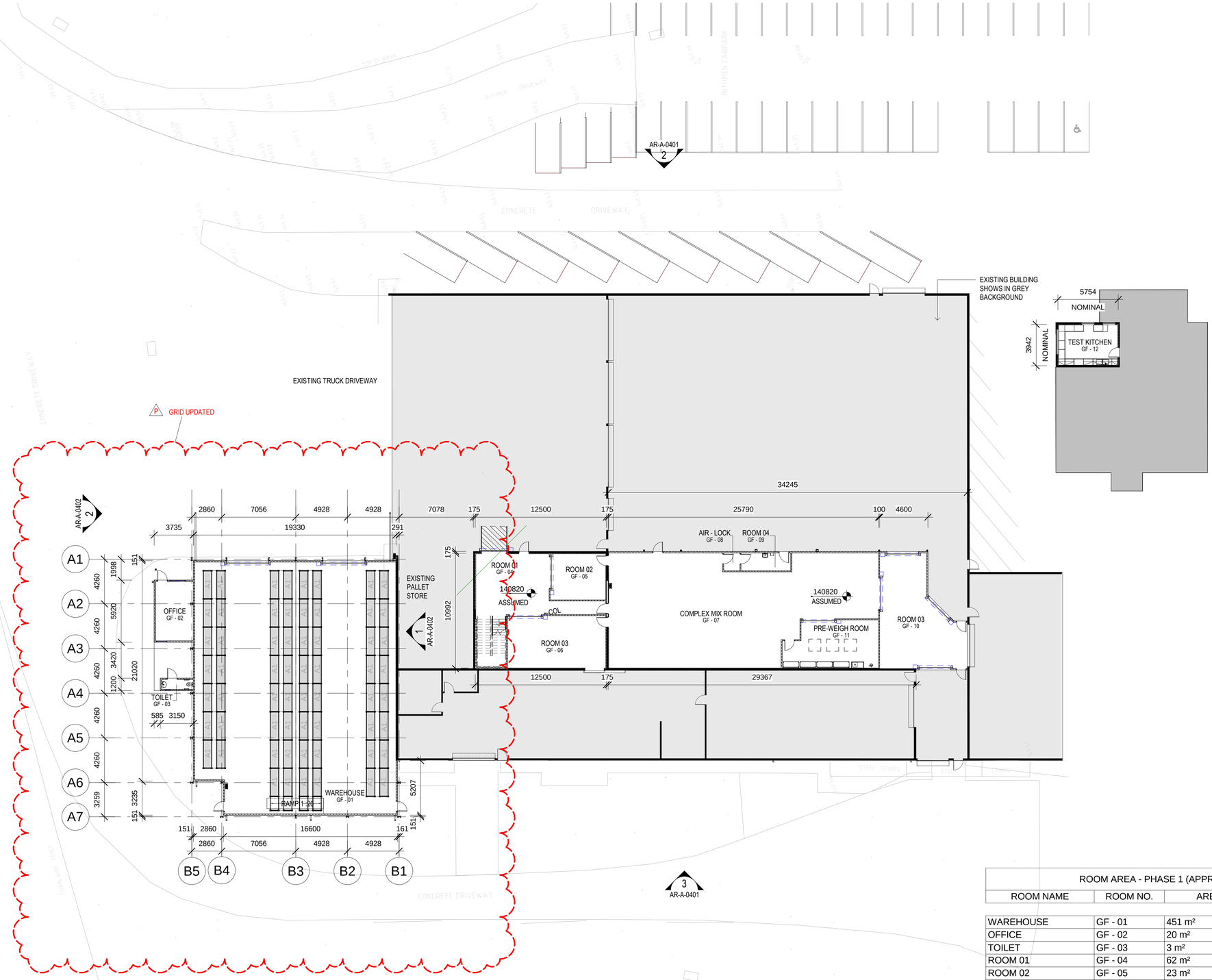

1 GROUND FLOOR PLAN - OVERALL
1 : 200

NOTE:
1. ALL LOADBEARING WALLS TO BE FULL HEIGHT.
   ALL INTERNAL WALLS EXCEPT FULL HEIGHT WALLS TO EXTEND 200mm ABOVE THE CEILING LEVEL.
   STUD WALLS TO EXTERNAL BRICK VENEER TO EXTENT TO UNDERSIDE OF ROOF SHEETING WITH INSULATION.
   REFER TO A200 SERIES WALL SETOUT DRAWINGS FOR INFORMATION FOR SETOUT, WALL TYPES AND HEIGHTS.
2. FIRE WALLS TO EXTEND TO UNDERSIDE OF ROOF SHEETING AND FULLY SEALED U.N.O.
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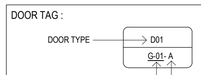
4. REFER TO A900 SERIES DRAWINGS FOR ROOM LAYOUT PLANS AND ELEVATIONS.
5. REFER TO LANDSCAPE AND SITE DRAWINGS FOR SETOUT AND LEVELS OF EXTERNAL PAVEMENTS, COVERED LINKS AND ANCILLARY STRUCTURES.
6. VERIFY DIMENSIONS ON SITE, PRIOR STARTING WORK

DOOR TAG :



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P	02-11-2021	REVISION AS CLOUDED - GRID UPDATED	MC

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ROOM AREA - PHASE 1 (APPROX)

ROOM NAME	ROOM NO.	AREA	VOLUME
WAREHOUSE	GF - 01	451 m²	3518.73 m³
OFFICE	GF - 02	20 m²	53.22 m³
TOILET	GF - 03	3 m²	6.89 m³
ROOM 01	GF - 04	62 m²	287.73 m³
ROOM 02	GF - 05	23 m²	108.39 m³
ROOM 03	GF - 06	47 m²	187.90 m³
COMPLEX MIX ROOM	GF - 07	231 m²	1152.53 m³
AIR - LOCK	GF - 08	3 m²	10.54 m³
ROOM 04	GF - 09	8 m²	32.30 m³
ROOM 03	GF - 10	70 m²	281.57 m³
PRE-WEIGH ROOM	GF - 11	39 m²	212.96 m³
TEST KITCHEN	GF - 12	22 m²	56.48 m³
MIXER 01	MF - 01	36 m²	155.42 m³
MIXER 02	MF- 02	34 m²	147.12 m³
CORRIDOR	MF- 03	47 m²	198.21 m³
MIXER 03	MS- 01	36 m²	132.40 m³
MIXER 04	MS- 02	34 m²	109.31 m³
CORRIDOR	MS- 03	47 m²	165.74 m³
Grand total: 18		1212 m²	6817.46 m³

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PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

FLOOR PLAN OVERALL

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	BC		
SCALE @ A1	As indicated	DATE	02-11-2021
PHA DRAWING No.	AR-A-0201	REV.	P
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	P

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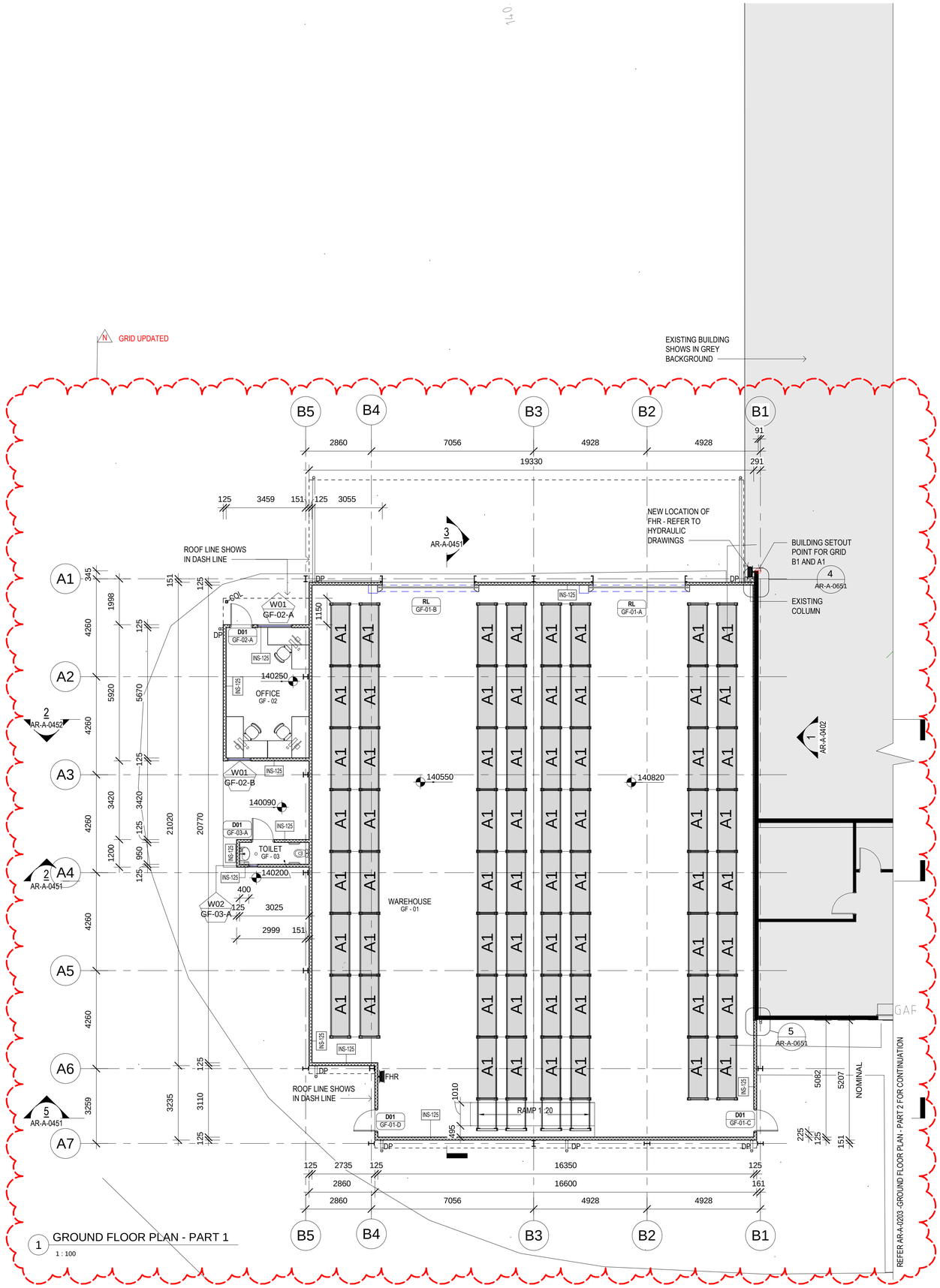

1 GROUND FLOOR PLAN - PART 1
1 : 100

WALL TYPE SCHEDULE - PHASE 1		
WALL TYPE	DESCRIPTION	Area
INS-50	50mm THICK COLDROOM PANEL	533 m²
INS-100	100mm THICK COLDROOM PANEL	393 m²
INS-125	125mm THICK COLDROOM PANEL	1235 m²
INS-INFILL	INFILL WALL CAVITY WITH COLDROOM PANEL	11 m²

NOTES:

1. DIMENSIONS ARE TO WALL CORE: FACE OF BLOCKWORK/ CONCRETE/ STUD.
2. REFER SERVICES DRAWINGS FOR LOCATION OF PENETRATIONS U.N.O
3. ALL DP'S SETOUT 100mm FROM EXTERNAL FACE OF WALL U.N.O
4. LOCATIONS OF PITS/ MANHOLES ETC. ARE INDICATIVE ONLY. REFER SERVICES DOCUMENTATION FOR DETAILS & LOCATION.
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PHASE 1

GROUND FLOOR PLAN - PART 1

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 100	DATE	02-11-2021
PHA DRAWING No.	AR-A-0202	REV.	N
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	N

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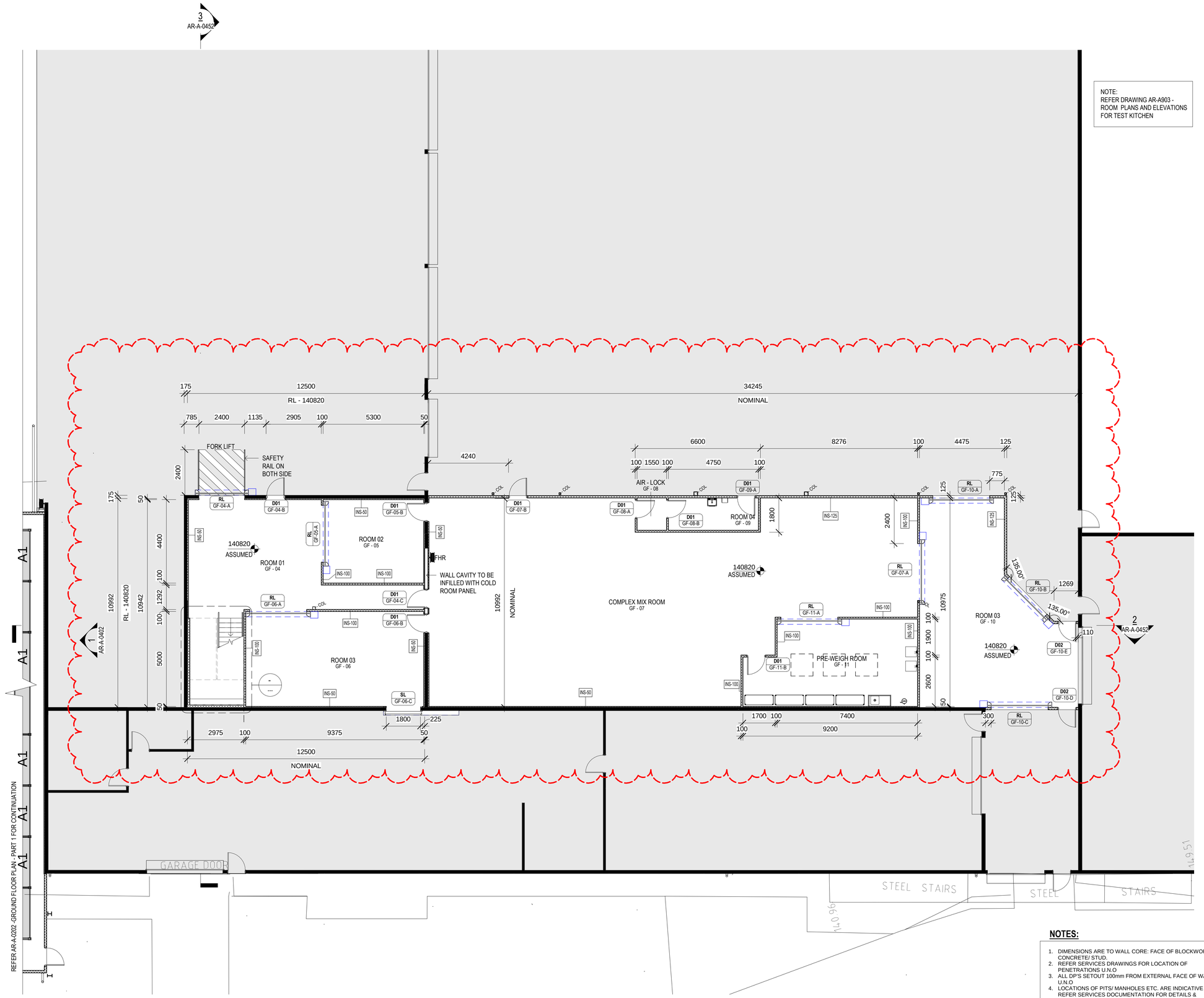

1 GROUND FLOOR PLAN - PART 2

1 : 100

NOTE:
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O	22-10-2021	REVISION AS CLOUDED	MC
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PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

GROUND FLOOR PLAN - PART 2

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	Checker		
SCALE @ A1	1 : 100	DATE	28-10-2021
PHA Project No.		2113	
PHA DRAWING No.		AR-A-0203	REV. P
CLIENT DRAWING No.			REV. P

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PLOT DATE: 28/10/2021 3:47:26 PM

1 FIRST MEZZANINE FLOOR PLAN
1 : 100

NOTE:
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PHASE 1

FIRST MEZZANINE FLOOR PLAN

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 100	DATE	28-10-2021
PHA DRAWING No.	AR-A-0204	REV.	M
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	M

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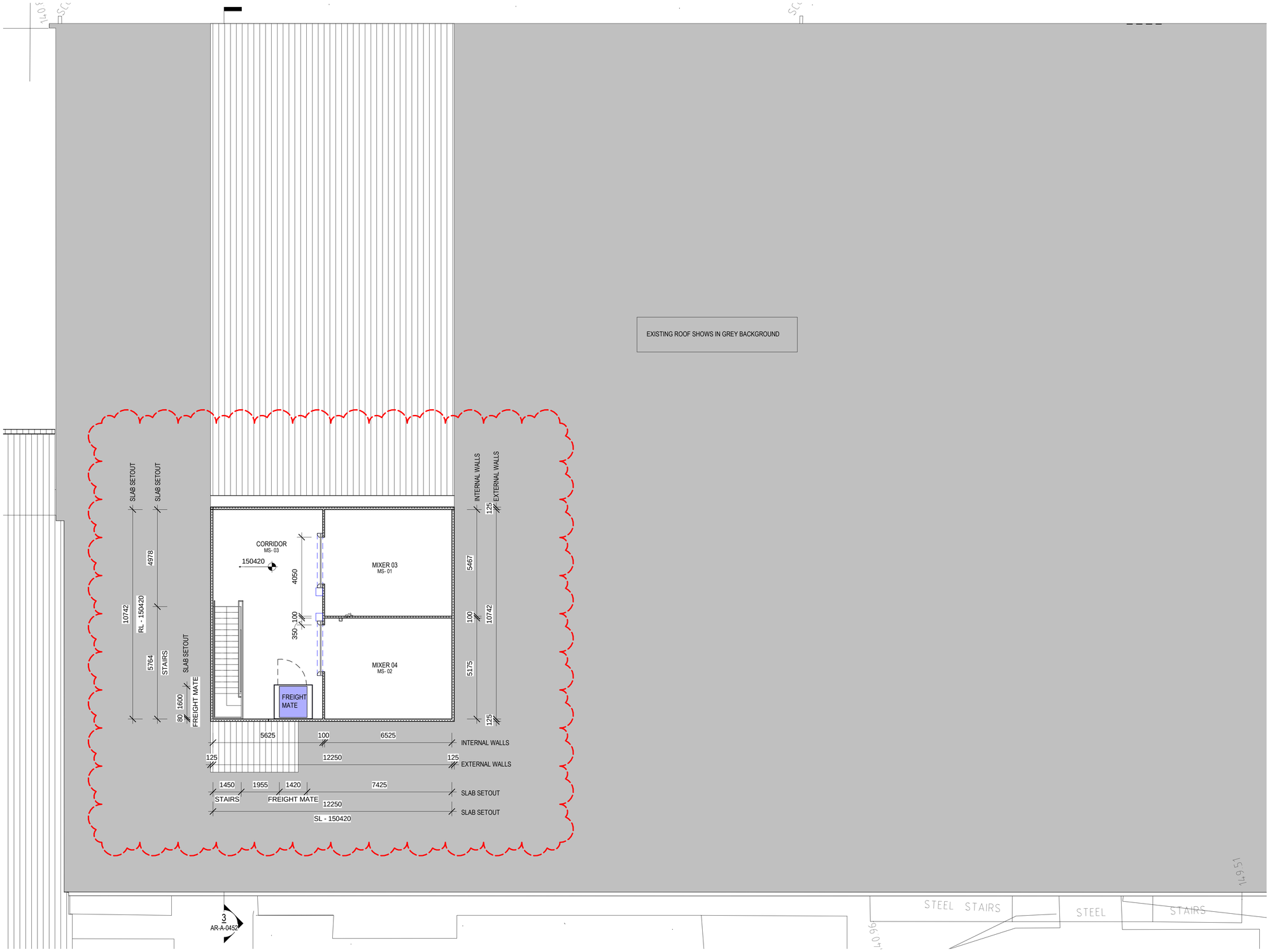

1 SECOND MEZZANINE FLOOR PLAN
1 : 100

NOTE:
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PHASE 1

SECOND MEZZANINE FLOOR PLAN

DRAWN	Author	DESIGNED	Designer
APPROVED	Approver	REDUCTION	0 25
CHECKED	Checker		
SCALE @ A1	1 : 100	DATE	28-10-2021
PHA Project No.	2113	PHA DRAWING No.	AR-A-0205
CLIENT DRAWING No.		REV.	B

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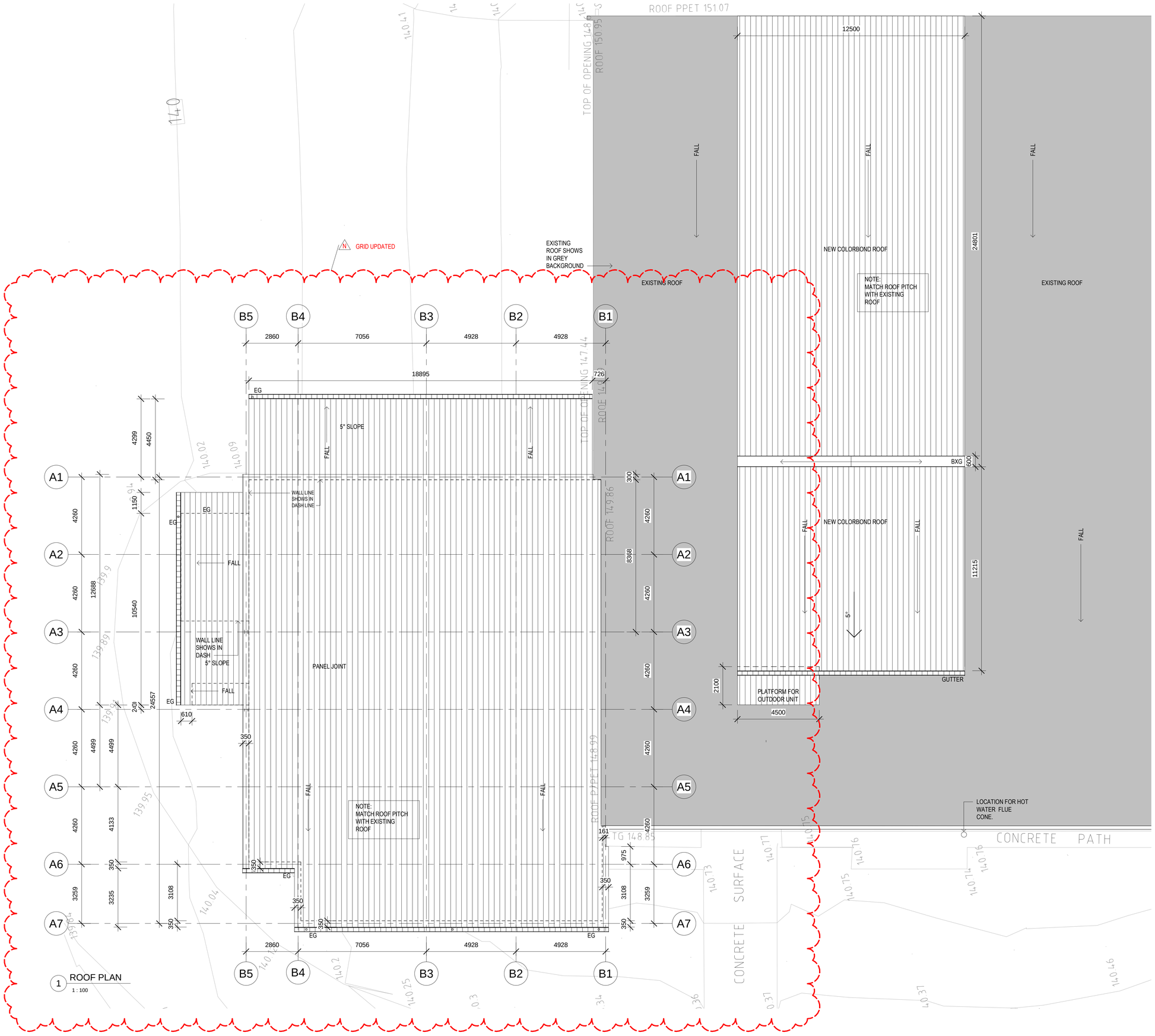

NOTE:
1. FOR SERVICES ROOF PENETRATIONS REFER TO SERVICESDRAWINGS, SPECIFICATION AND DRAWINGS.
2. ALL ROOF PENETRATIONS TO BE FULLY SEALED AND FLASHINGS INSTALLED ACCORDING TO THE MANUFACTURERSRECOMMENDATION OR AS DETAILED.

BC = BARGE CAPPING
BXG = BOX GUTTER
EG = EAVES GUTTER
IV = INSULATION TYPE (REFER TO SPECIFICATION)
RGC = RIDGE CAPPING
RWH = RAIN WATER HEAD
RWP = RAIN WATER PIPE
VF = VALLEY FLASHING

NO	DATE	AMENDMENT	CHECKED
A	27-04-2021	FOR CLIENT REVIEW	MC
B	07-05-2021	FOR CLIENT REVIEW	MC
C	10-05-2021	ISSUE FOR CONSULTANT	MC
D	14-05-2021	FOR CLIENT REVIEW	MC
E	18-05-2021	ISSUE FOR CONSULTANT	MC
F	27-05-2021	FOR CLIENT REVIEW	MC
G	03-06-2021	ISSUE FOR CONSULTANT	MC
H	10-06-2021	FOR CLIENT REVIEW	MC
I	05-07-2021	ISSUED FOR PLANNING APPLICATION	MC
J	13-07-2021	ISSUED FOR REVIEW	MC
K	11-08-2021	REVISION AS CLOUDED	MC
L	22-10-2021	REVISION AS CLOUDED	MC
M	28-10-2021	REVISION AS CLOUDED - MEZZANINE & GROUND FLOOR UPDATED	MC
N	02-11-2021	REVISION AS CLOUDED - GRID UPDATED	MC

NOTE: NO SILICONE SEALANTS TO BE BROUGHT TO SITE

PRELIMINARY
NOT FOR CONSTRUCTION

HUNT ARCHITECTS
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t: (02) 9955 1466
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT: **ALLIED PINNACLE PICTON**
PHASE 1
ROOF PLAN

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 100	DATE	02-11-2021
PHA Project No.	2113	PHA DRAWING No.	AR-A-0210
CLIENT DRAWING No.		REV.	N

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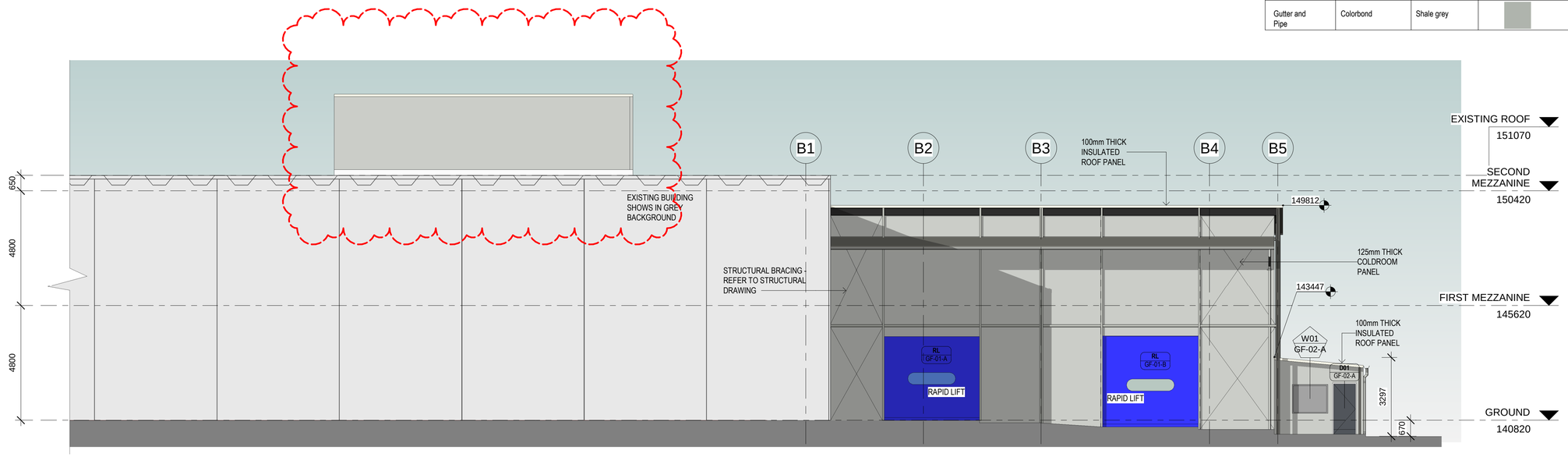
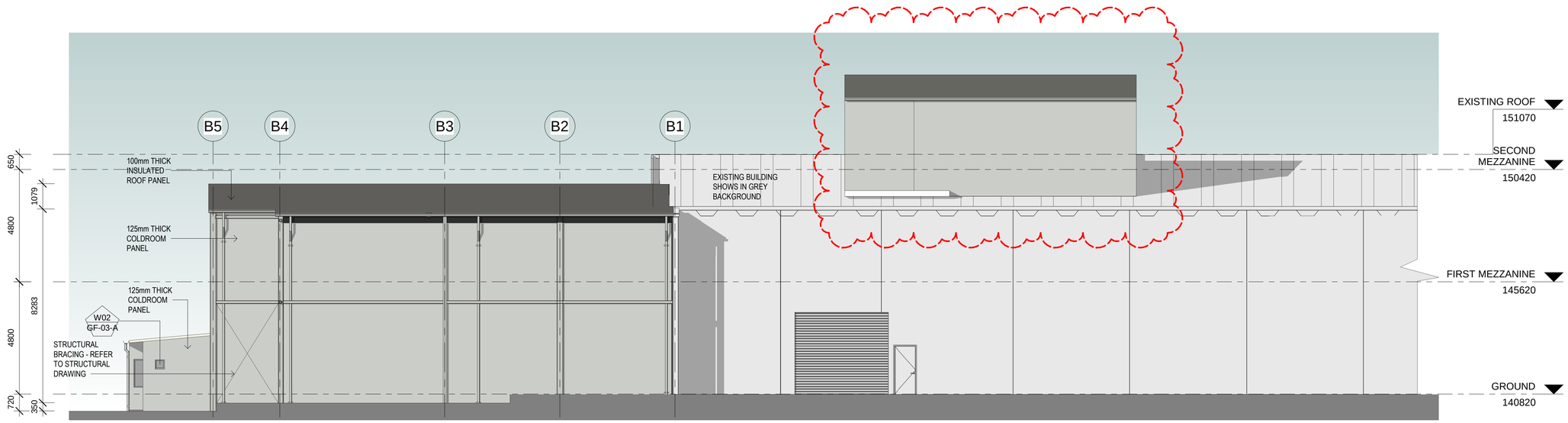
PLOT DATE: 2/11/2021 2:57:16 PM

EXTERNAL FINISHES SCHEDULE			
Items	Manufacture/ Material	Colour	Image
External Wall	Colorbond	Shale Grey	
Roof Sheeting	Colorbond	Surfmist	
Structural Steel	Dulux, Powdercoated	Shale Grey	
Structural Steel	Dulux, Powdercoated	Iron Stone	Location: South West corner - front of Office door
Door and Door frame	Dulux, Powdercoated	Iron Stone	
Window and window frame	Dulux, Powdercoated	Iron Stone	
Gutter and Pipe	Colorbond	Shale grey	

NO	DATE	AMENDMENT	CHECKED
A	27-04-2021	FOR CLIENT REVIEW	MC
B	07-05-2021	FOR CLIENT REVIEW	MC
C	10-05-2021	ISSUE FOR CONSULTANT	MC
D	14-05-2021	FOR CLIENT REVIEW	MC
E	18-05-2021	ISSUE FOR CONSULTANT	MC
F	27-05-2021	FOR CLIENT REVIEW	MC
G	03-06-2021	ISSUE FOR CONSULTANT	MC
H	10-06-2021	FOR CLIENT REVIEW	MC
I	05-07-2021	ISSUED FOR PLANNING APPLICATION	MC
J	13-07-2021	ISSUED FOR REVIEW	MC
K	28-07-2021	REVISION AS CLOUDED - NOTES UPDATED	MC
L	28-10-2021	REVISION AS CLOUDED - MEZZANINE & GROUND FLOOR UPDATED	MC



2 NORTH ELEVATION
1 : 100



3 SOUTH ELEVATION
1 : 100

PRELIMINARY
NOT FOR CONSTRUCTION

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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

ELEVATIONS

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 100	DATE	28-10-2021
PHA DRAWING No.	AR-A-0401	REV.	L
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	L

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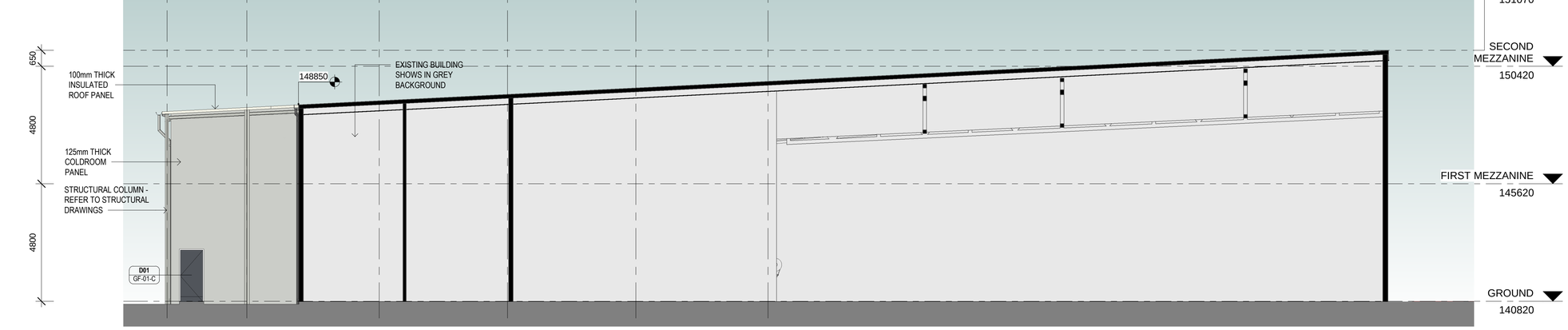
PLOT DATE: 28/10/2021 3:47:33 PM

2 WEST ELEVATION

1 : 100



1 EAST ELEVATION

1 : 100

NO	DATE	AMENDMENT	CHECKED
A	28-10-2021	REVISION AS CLOUDED - MEZZANINE & GROUND FLOOR UPDATED	MC

PRELIMINARY
NOT FOR CONSTRUCTION

HUNT ARCHITECTS
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

ELEVATIONS

DRAWN	Author	DESIGNED	Designer
APPROVED	Approver	REDUCTION	0 25
CHECKED	Checker		
SCALE @ A1 1 : 100		DATE 28-10-2021	PHA DRAWING No. AR-A-0402 REV. A
PHA Project No.	2113		
CLIENT DRAWING No.			REV. A

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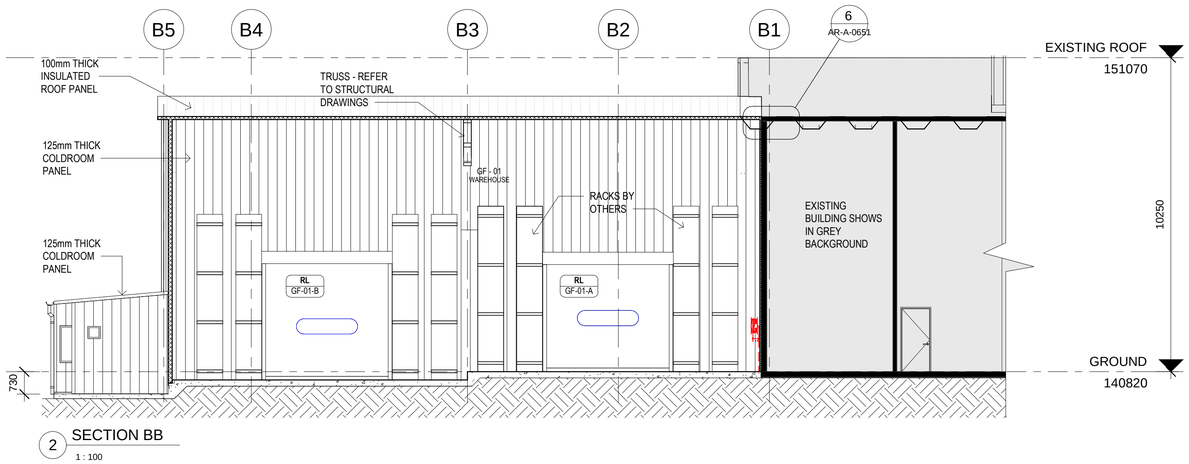
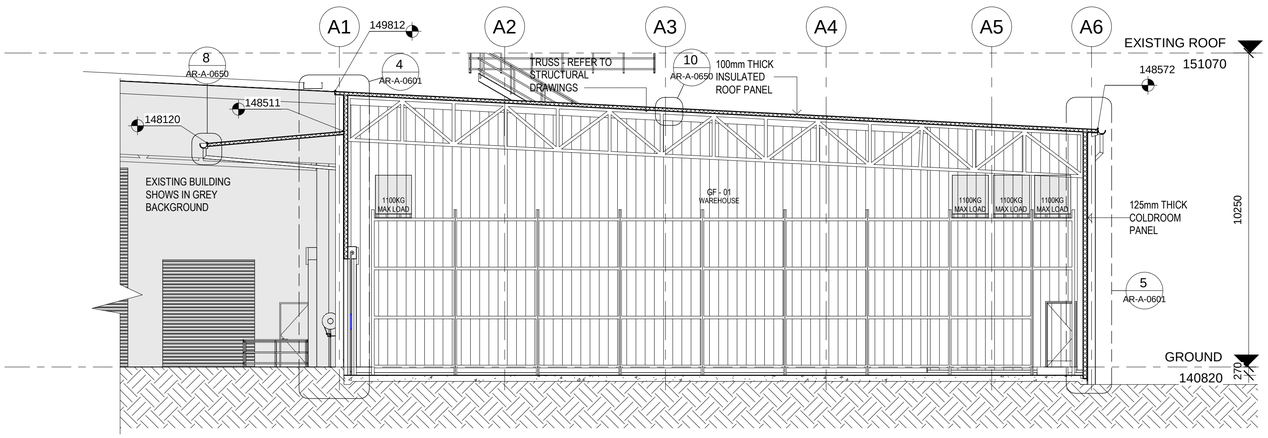
PLOT DATE: 28/10/2021 3:47:45 PM



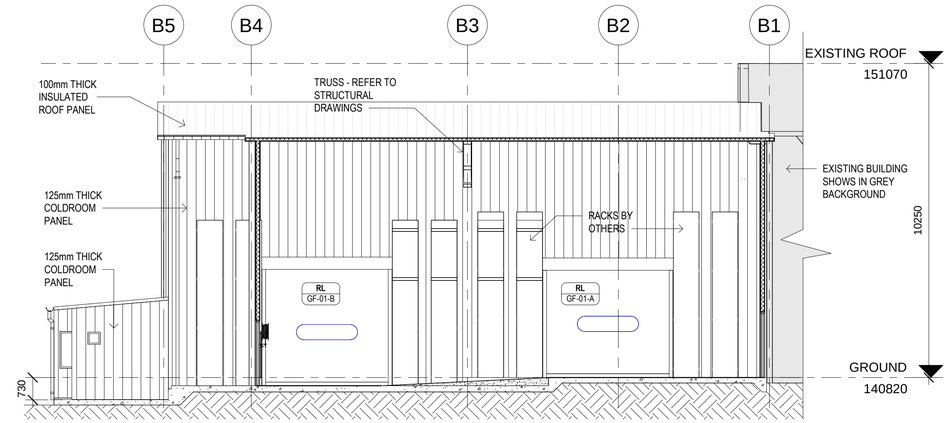
2 SECTION BB

1 : 100



3 SECTION CC

1 : 100



5 SECTION DD

1 : 100

NO	DATE	AMENDMENT	CHECKED
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B	07-05-2021	FOR CLIENT REVIEW	MC
C	10-05-2021	ISSUE FOR CONSULTANT	MC
D	14-05-2021	FOR CLIENT REVIEW	MC
E	18-05-2021	ISSUE FOR CONSULTANT	MC
F	27-05-2021	FOR CLIENT REVIEW	MC
G	03-06-2021	ISSUE FOR CONSULTANT	MC
H	10-06-2021	FOR CLIENT REVIEW	MC
I	18-06-2021	MEZZANINE SLAB UPDATED	MC
J	25-06-2021	REVISION AS CLOUDED - WALL THICKNESS UPDATED	MC
K	05-07-2021	ISSUED FOR PLANNING APPLICATION	MC
L	13-07-2021	ISSUED FOR REVIEW	MC
M	02-08-2021	REVISION AS CLOUDED	MC
N	06-08-2021	REVISION AS CLOUDED	MC

PRELIMINARY

NOT FOR CONSTRUCTION

HUNT ARCHITECTS

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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:

ALLIED PINNACLE PICTON

PHASE 1

SECTIONS

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 100	DATE	06-08-2021
PHA DRAWING No.	AR-A-0451	REV.	N
PHA Project No.	2113		
CLIENT DRAWING No.		REV.	N

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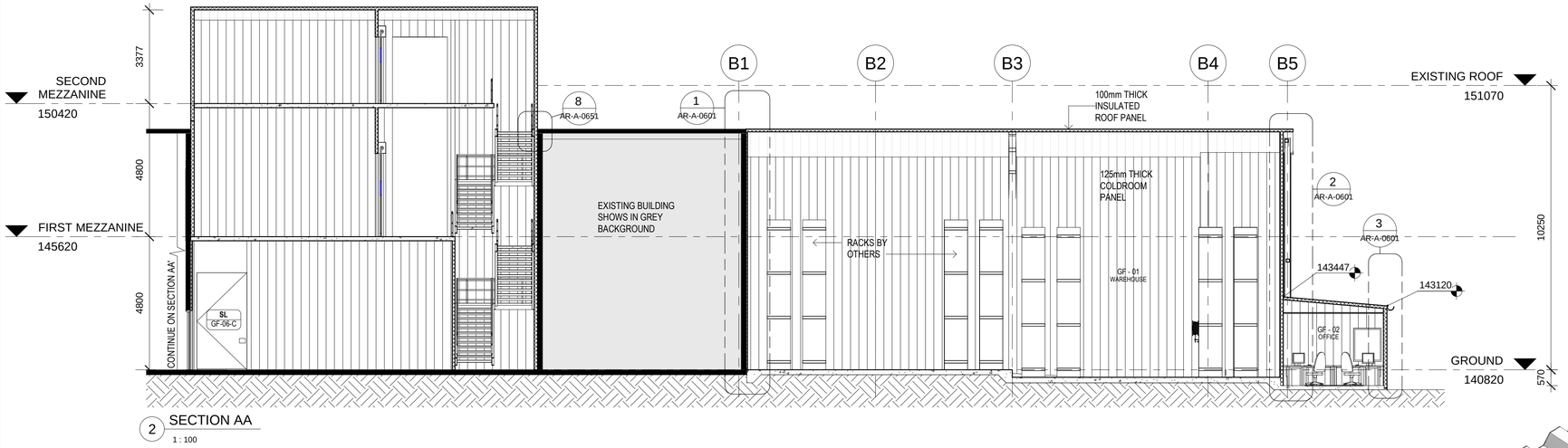
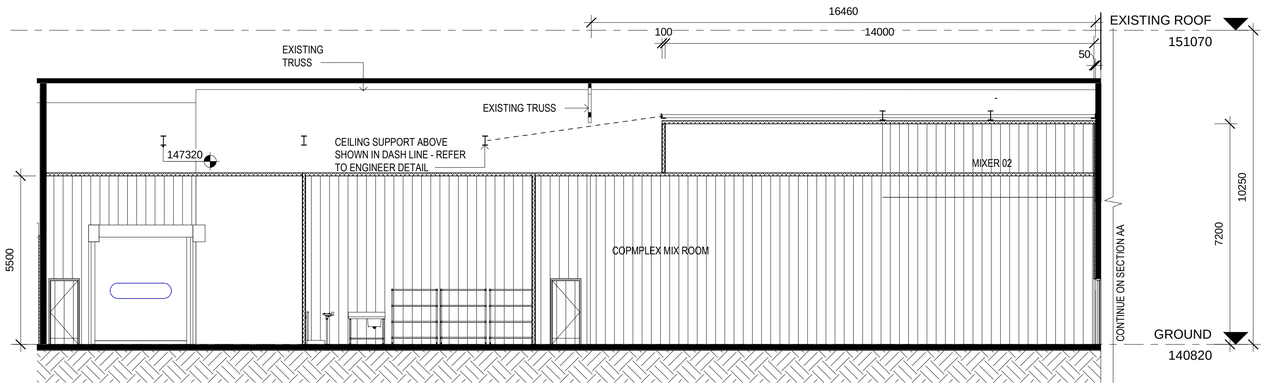
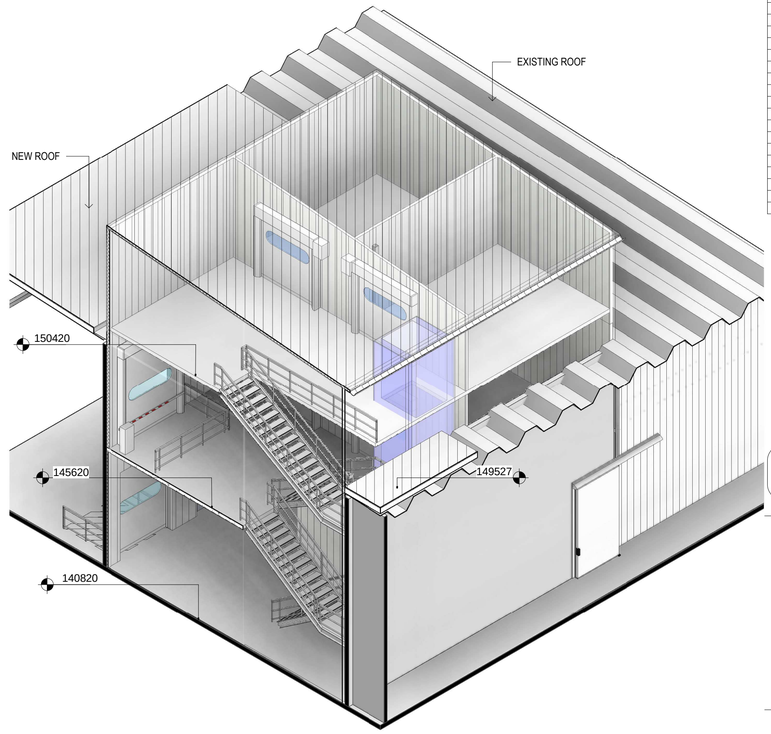
PLOT DATE: 28/10/2021 3:47:48 PM

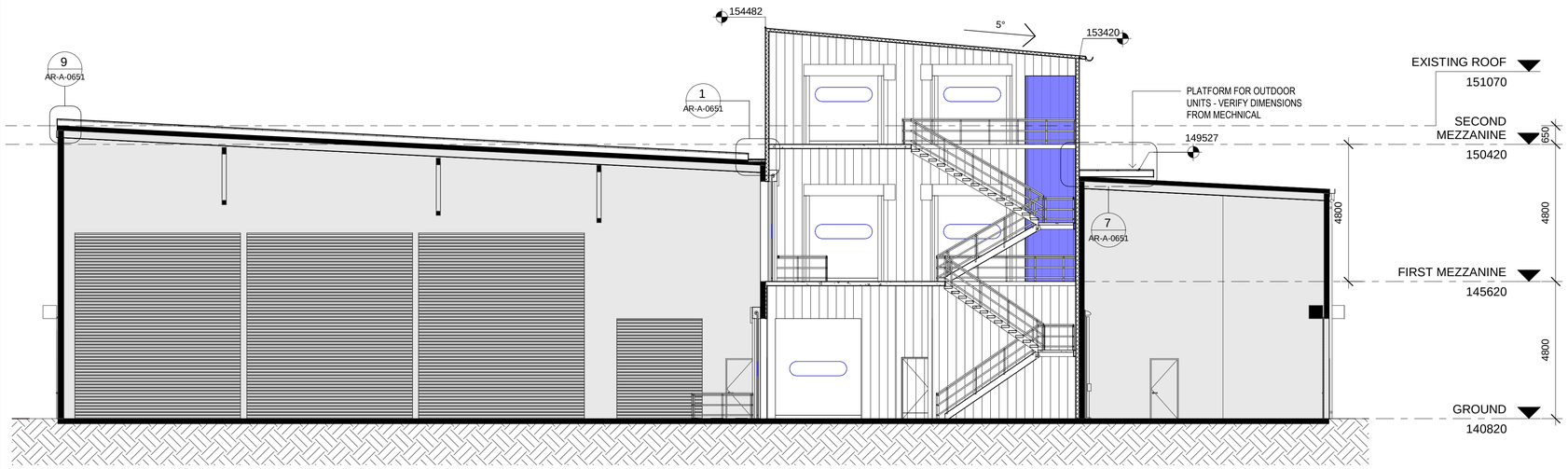


2 SECTION AA
1 : 100



1 SECTION AA'
1 : 100





3 SECTION EE
1 : 100

NO	DATE	AMENDMENT	CHECKED
A	28-10-2021	REVISION AS CLOUDED - MEZZANINE & GROUND FLOOR UPDATED	MC

PRELIMINARY
NOT FOR CONSTRUCTION

HUNT ARCHITECTS
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t: (02) 9955 1466
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

SECTIONS

DRAWN	Author	DESIGNED	Designer
APPROVED	Approver	REDUCTION	0 25
CHECKED	Checker		
SCALE @ A1 1 : 100		DATE 28-10-2021	PHA DRAWING No. AR-A-0452 REV. A
PHA Project No.	2113		
CLIENT DRAWING No.			REV. A

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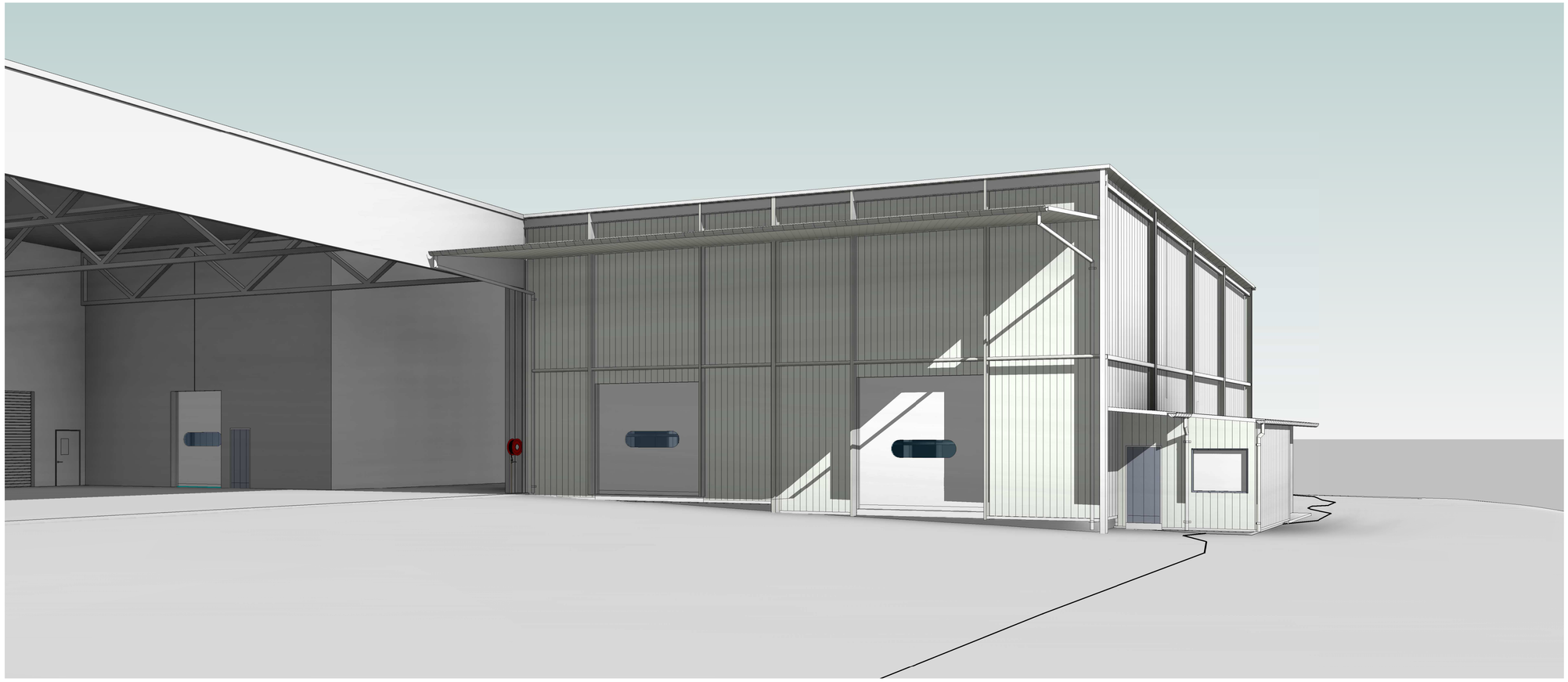
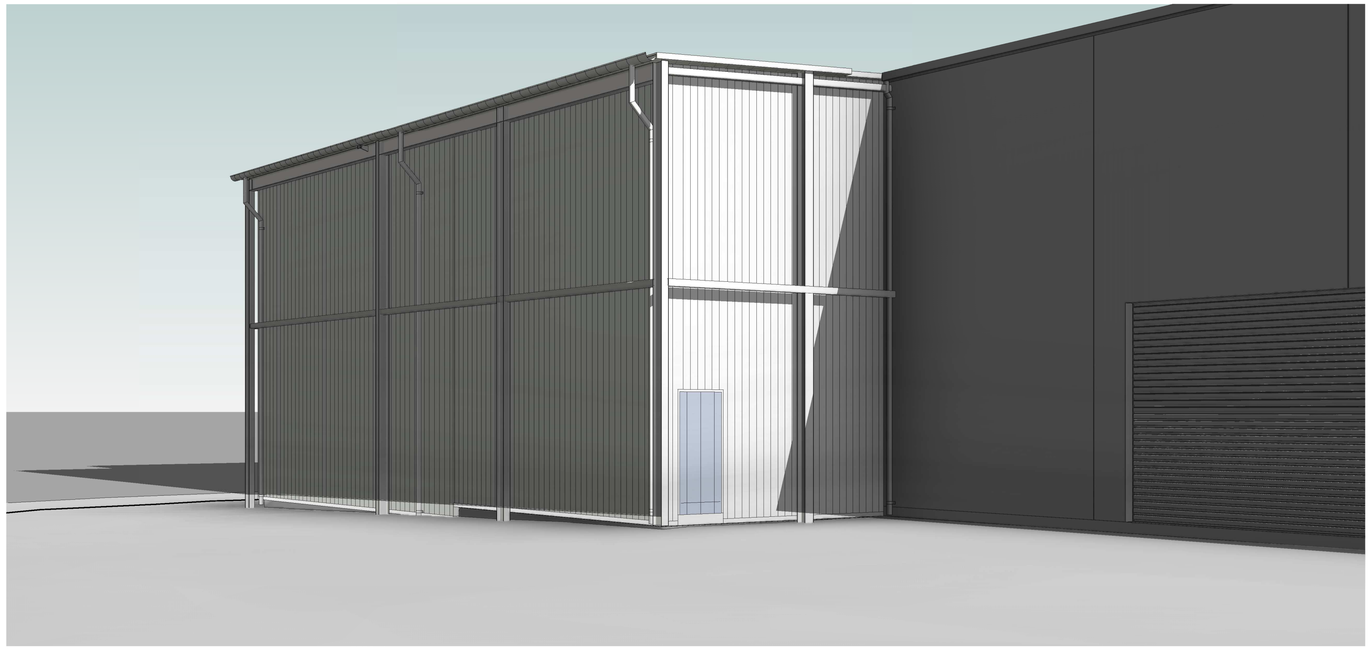
PLOT DATE: 28/10/2021 3:48:03 PM
FILE PATH: C:\Users\zaki\Documents\2113-AR-Allied Mills Picton-R20_Zak.irfan.rvt



1 PHASE 01 - 01



2 PHASE 01 - 02

3 PHASE 01 - 03

NO	DATE	AMENDMENT	CHECKED
A	27-04-2021	FOR CLIENT REVIEW	MC
B	07-05-2021	FOR CLIENT REVIEW	MC
C	14-05-2021	FOR CLIENT REVIEW	MC
D	18-05-2021	ISSUE FOR CONSULTANT	MC
E	27-05-2021	FOR CLIENT REVIEW	MC
F	03-06-2021	ISSUE FOR CONSULTANT	MC
G	10-06-2021	FOR CLIENT REVIEW	MC
H	13-07-2021	ISSUED FOR REVIEW	MC

PRELIMINARY
NOT FOR CONSTRUCTION

HUNT ARCHITECTS
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED MILL PICTON

PHASE 1

PERSPECTIVE

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1		DATE 13-07-2021	PHA DRAWING No. AR-A-1200 REV. H
PHA Project No.	2113		
CLIENT DRAWING No.			REV. H

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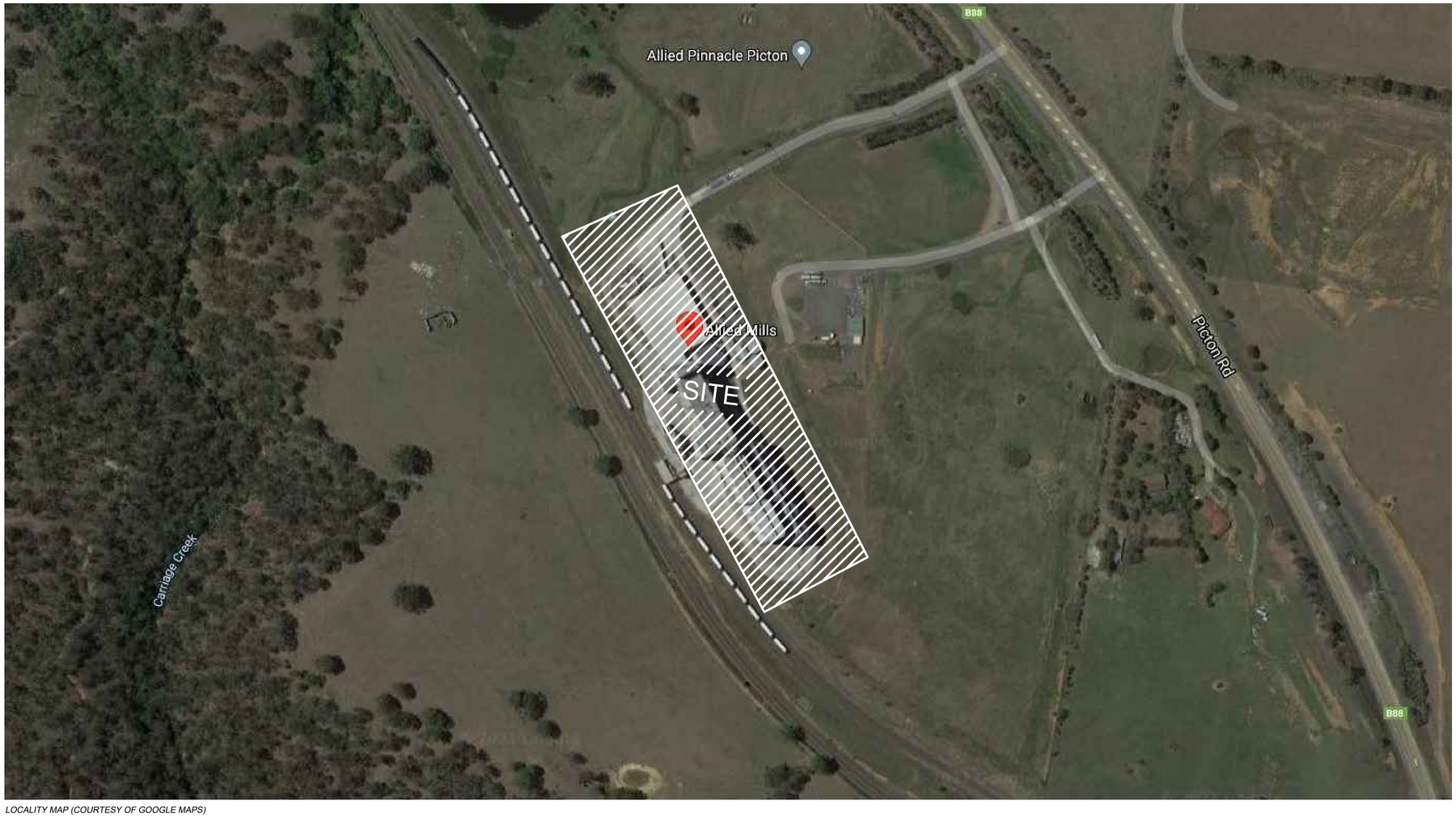
ALLIED MILLS PICTON
5235 PICTON ROAD, WILTON
STORMWATER DRAINAGE CONCEPT PLAN



LOCALITY MAP (COURTESY OF GOOGLE MAPS)

DRAWING REGISTER	
NO.	TITLE
C-0-GE-00	COVER SHEET
C-0-GE-01	CONSTRUCTION NOTES
C-0-GE-10	STORMWATER DETAILS SHEET 1
C-0-GE-11	STORMWATER DETAILS SHEET 2
C-0-GE-30	SOIL EROSION AND SEDIMENT CONTROL DETAILS
C-1-GF-01	STORMWATER DRAINAGE CONCEPT PLAN
C-1-GF-30	SOIL EROSION AND SEDIMENT CONTROL PLAN

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
1	FOR APPROVAL	-	14-05-2021

ARCHITECT
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Nominated Architect:
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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

PROJECT
ALLIED MILL PICTON
5235 PICTON RD, WILTON

TITLE
COVER SHEET

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
1	8142	C-0-GE-00

GENERAL NOTES

1. These drawings shall be read in conjunction with relevant other consultants drawings, the architectural drawings issued "for construction", and all specifications such as written instructions issued during construction, checklists, approving authority specifications. Any discrepancies in these documents shall be referred to the relevant parties and not less than the project manager and the engineer and the superintendent for a decision prior to continuing with the works.

2. All existing drainage shown on the plans and proposed to be re-used are to be inspected by a licenced plumber and certified that is in good working condition otherwise allow to rectify and or replace.

3. Provide Heelguard or equivalent to all pit lids and grated drains in pedestrian areas.

4. The contractor or principle contractor shall check all dimensions onsite for correctness. Where relevant this can be for NCC (BCA) compliance, EFS&G compliance, RMS compliance, IFNSW compliance, LEPs, DCPs, and SEPPs. Any discrepancy shall be reported to the superintendent and also not less than the project manager as soon as practicable. Dimensions shall not be obtained by scaling off the plans.

5. During works the stability of existing structures shall be maintained without undue disturbance during processes of disturbance such as excavation, service modification, underpinning, piling, compaction, vibration, demolition, reworking stormwater, parking of heavy machinery or stockpiling of materials, dust, excessive noise and is the responsibility of the Builder and Contractor. No part of an existing structure or building shall be overstressed during works.

6. Works shall not begin without the written approval of the relevant Certifying Authority.

7. Inspections are required to confirm and certify the standard of construction by us. We shall be provided with 48 hours notice prior to all stormwater elements being backfilled or concealed to inspect. This does not remove the need for other authorities such as Certifiers to conduct inspections. Additional inspections of pavement materials and layers may also be required. Refer pavement or sub-grade specific notes and relevant Specification such as R44 RMS specifications.

8. Where shown, existing services are based on information provided to us and are not a substitute for onsite testing and confirmation. It is the responsibility of contractors working in vicinity of these services to confirm their location.

9. All service trenches shall be backfilled in accordance with the relevant Australian Standard corresponding to the type of piping in the trench or RMS standards if working on a RMS managed road.

10. All workmanship and materials shall be in accordance with the legal or relevant requirements of current Australian Standards, National Construction Codes, SAA Codes, requirements or stipulations of relevant Certifying Authority, and relevant specifications. If in doubt all RFIs (requests For Information) shall be submitted in writing and RFIs shall be in accordance with best practice and Standards.

11. No changes to the works as reflected on the design engineering drawings shall be made without the written approval of the engineer.

12. UNO or U.N.O denotes "unless noted otherwise" on these drawings.

13. All proprietary products shall be checked for Building Code compliance with the Certifying Authority and shall be installed in accordance with the manufacturer's specifications and if required by an approved contractor endorsed by the manufacturer.

14. It is the responsibility of the Principle Contractor or equivalent to obtain all permits and authority approvals.

15. It is recommended a Dilapidation report of elements in vicinity of the development be undertaken prior to works commencing.

16. Existing downpipes which are being reconfigured should be connected to flexible hosing and discharged in a safe location in accordance with requirements of sediment and erosion control.The top of excavations shall be protected from overland flow and if necessary overland flow paths should be redirected during phases in the construction particularly bulk excavation and site works.

17. Inspections are required to confirm and certify the standard of construction by us. We shall be provided with 48 hours notice prior to all stormwater elements being backfilled or concealed to inspect. This does not remove the need for other authorities such as Certifiers to conduct inspections. Additional inspections of pavement materials and layers may also be required.Refer pavement or sub-grade specific notes and relevant Specification such as R44 RMS specifications.

18. It is the contractors responsibility to provide all safety fences, warning lights, temporary barriers around excavations/trenches, traffic diversions and the like during construction. All works to comply with Work Cover and OH&S regulation, and other relevant safety requirements.

19. No trees shall be removed/destabilised/cut back or relocated without the written instruction from the superintendent.

AUTHORITY STORMWATER NOTES

1. It is the contractor's responsibility to check all set out and level prior to commencement of works and to report any discrepancies found to the superintendent.

2. All set out dimensions are to face of kerb, centreline of fence/bolard/pipe.

3. Smooth all transition between new and existing work in both level and alignment.

4. It is the contractor's responsibility to provide all safety fences, warning signs, traffic diversions and the like during construction. All works to comply with occupational health and safety requirements and other relevant authority safety requirements.

5. No trees shall be removed, cutback or relocated without the written instruction from the superintendent.

6. The contractor shall provide certification and compactions and pavement thickness from a NATA registered testing authority minimum three tests per layer as follows

Pipe backfill	Density index 75
Select fill	95% Standard
select fill (Less than 300mm follow base course)	98% modified
Base course	100% modified

7. The auspec specification shall be the specification for these works.

DRAINAGE NOTES

1. All workmanship and materials shall be in accordance with AS3500.3 and other relevant codes where other materials are used.

2. For downpipe locations refer architectural drawings and the hydraulic engineers drawings.

3. Establish and locate existing invert levels of existing services prior to commencing works and confirm with engineer is the design is based on an assumption in the levels.

4. Pipes shall have a minimum fall of 1% unless noted otherwise. A minimum of 1:60 fall shall be provided for downpipes connecting to drainage lines.

5. Responsibility of roof drainage is by others unless specifically noted otherwise.

6. All UPVC stormwater drainage lines shall be in accordance with the latest version of AS1254 and shall be installed in accordance with the requirements of the latest version of ASS3500.3, AS 2032 & AS2566 unless noted otherwise.

7. All reinforced concrete stormwater drainage pipe work (RCP) shall be in accordance with AS1342, RMS standards (now Transport for NSW) requirements and specifications and shall be installed in accordance with AS 3725 or the previous relevant standard/specification whichever is the greater or more appropriate. The pipes shall be of the following minimum classes in accordance with AS 1342 unless noted otherwise:
   a. Class 4 under flexible pavements with min 600mm cover
   b. Class 2 in other areas with no flexible pavement over and heavy machinery/trucks does not need to pass over and not surcharged by vehicles loads or greater.

8. Subsoil drainage for flexible pavements shall be in accordance with RMS requirements (now Transport For NSW).

9. Inspections are required to confirm and certify the standard of construction by us. We shall be provided with 48 hours notice prior to all stormwater elements being backfilled or concealed to inspect. This does not remove the need for other authorities such as Certifiers to conduct inspections. Additional inspections of pavement materials and layers may also be required. Refer pavement or sub-grade specific notes and relevant Specification such as R44 RMS specifications.

10. Subsoil drainage (minimum 100mm diameter wrapped in a geo sock shall be provided behind and at the base of all retaining walls, upturn walls (with the exception of underpinning and contiguous/soldier piling) and shall be backfilled in accordance with crushed rock with 10% cement. The wall shall also be waterproofed and a layer of corflute applied between the waterproofing and the backfill. The backfill shall be wrapped in a geofabric. The subsoil drain shall connect to the downstream stormwater system and have sufficient clean out points to be adequately maintained.

11. Subsoil drainage shall be provided in poorly drained law style areas in accordance with best practice.

12. Step downs in flooring from internal to external shall be in accordance with the National Construction Code unless noted otherwise.

13. Falls in pavements shall be minimum 1% for external areas and 0.5% for external areas protected by a roof or undercover. Sufficient surface drainage shall be provided to facilitate these falls.

14. Subsoil drainage for flexible pavements shall be in accordance with RMS requirements (now Transport For NSW).

15. All drainage trenches shall not undermine existing structures and shall be in sound material. If soft spots exist they should be removed and backfilled with a compacted roadbase DGB20 or 40 and compacted to minimum 98% solid dry density at plus or minus 2% optimum moisture content.

16. All concrete pits deeper than 900mm shall have step irons installed, have a lid as per specification or a pit schedule, have bedding as required and shall have any child protection as required by Council, the Certifying Authority, the engineer or the Building Code of Australia.

17. Cover for stormwater pipes shall be:
   a. RCP: 600mm under flexible pavements or areas of vehicular loading
   b. RCP: 300mm under landscape areas or rigid pavements.
   c. UPVC: 300mm not subject to vehicular loading
   d. UPVC: 600mm subject to vehicular loading with sealed flexible carriageways.
   e. If not noted in the above the minimum covers shall be obtained from the relevant Australian Standard:
   i. AS 1762 for corrugated metal stormwater pipes
   ii. AS 2032 for PVC stormwater pipes
   iii. AS.NZS 2566.1 for flexible stormwater pipes
   iv. AS 3725 for reinforced concrete stormwater pipes
   v. AS 2033 for polyethylene stormwater pipes.

18. Lids of stormwater pits shall have the following class lids unless noted otherwise:
   a. Class A for areas accessed strictly by only pedestrians
   b. Class C for areas residential roads and car parks and areas subject to vehicle loads but not heavy vehicle loads.
   c. Class E for areas where heavy vehicles can access and use

19. Minimum pit sizes regardless of what is shown on the drawings shall be in accordance with Table 7.5.2.1 of AS/NZS 3500.3

20. Where site have a high water table a minimum of 1.5 times the diameter over UPVC or lightweight pipes shall be provided as cover to prevent buoyancy.

21. All set out is to the face of the kerb, centreline of fence/bollard/pipe.

22. Smooth all transition between new and existing stormwater drainage works in level and alignment.

SURVEY NOTES

1. The existing site conditions shown on the following drawings have been investigated by the survey or specified in the title block.

2. The information is shown to provide a basis for design, birzulis associates does not guarantee the accuracy or completeness of of the survey base or its suitability as a basis for construction drawings.

3. Should discrepancies be encountered during construction between the survey data and actual field data, contact birzulis associates. The following notes have been taken directly from original survey documents.

CONCRETE

1. All workmanship and materials shall be in accordance with AS 3600 current edition with amendments, except where varied by the contract documents.

2. Concrete Quality:
   Class = Normal
   Slump = 80mm
   Maximum size of aggregate in structural concrete = 20mm U.N.O.
   Cement Type = SL
   Admixtures = nil, unless noted otherwise or approved in writing.

   For concrete cast in contact with ground provide the following additional properties:
   Minimum cement content = 330 kg/m^3
   Maximum water/cement ratio = 0.50

   Concrete shall have a characteristic compressive strength at 28 days (f'c) as shown in the following table, unless noted otherwise on the drawings.

ELEMENT	f'c MPa (28 Days)
BORED PIERS, STRIP FOOTINGS, FOOTING BEAMS	32
INTERNAL SUSPENDED SLABS, BEAMS & STAIRS	32
COLUMNS, WALLS	40
EXTERNAL CONCRETE, ALL OTHER CONCRETE U.N.O.	50

3. Project control testing shall be carried out in accordance with AS 3600.

4. Clear concrete cover in mm to the reinforcement shall be as follows (unless noted otherwise on the drawings):

EXPOSURE CLASSIFICATION TO AS3600	CAST AGAINST FORMORK			CAST AGAINST GROUND	
	INTERIOR	EXTERIOR	CONTACT WITH GROUND	PROTECTED BY MEMBRANE	NO MEMBRANE
A1	20			30	
A2	25	30	30		50
B1		40			
B2		45			

   Exposure classification for exterior concrete - B1
   Exposure classification for interior concrete - A2

5. All reinforcement shall be firmly supported on mild steel plastic tipped chairs, plastic chairs or concrete chairs at not greater than 1 metre centres both ways. Bars shall be tied at alternate intersections. In exposure conditions greater than B1 use only plastic chairs.

6. Concrete sizes shown do not include thickness of applied finishes.

7. Depths of beams are given first and include slab thickness.

8. For chamfers, drip grooves, reglets, etc., refer to Architect's details, maintain cover to reinforcement at these details.

9. No holes, chases or embedment of pipes other than those shown on the structural drawings shall be made in concrete members without the prior written approval of the Superintendent.

10. The finished concrete shall be a dense homogenous mass, completely filling the formwork thoroughly embedding the reinforcement and free of stone pockets. All concrete including slabs on ground and footings shall be compacted with mechanical vibrators.

11. Concrete construction joints where not shown shall be located to the approval of the Superintendent.

12. Curing of all concrete is to be achieved by keeping surfaces continuously wet for a period of 7 days, and prevention of loss of moisture for a total of 14 days followed by gradual drying out. Approved sprayed on curing compounds may be used where no floor finishes are proposed. Polythene sheeting or wet hessian may be used if protected from wind and traffic.

13. Construction support propping is to be left in place where needed to avoid overstressing the structure due to construction loading. No masonry or partition walls are to be constructed on suspended levels until all propping is removed and the member has absorbed its dead load deflection.

14. The Superintendent shall be given 48 hours notice for reinforcement inspection and concrete shall not be delivered until final approval obtained.

15. Conduits, pipes etc., shall only be located in the middle one third of slab depth and spaced at not less than 3 diameters. pipes or conduits shall not be placed within the cover to the reinforcement.

16. Reinforcement symbols:
   S denotes Grade 230 S Hot rolled deformed bars to AS 1302
   N denotes Grade 500 N Deformed bars to AS 4671
   R denotes Grade 230 R Hot rolled plain bars to AS 1302
   SL/RL/L denotes Grade 500 L Deformed ribbed welded mesh to AS 4671
   The figures following the symbol are the number of millimetres in the bar diameter. The figures following the mesh symbol SL, RL, L is the reference number for mesh to AS 4671.

17. Reinforcement is represented diagrammatically and not necessarily in true projection.

18. Splices in reinforcement shall be made only in positions shown or otherwise approved in writing by the Superintendent. Laps shall be in accordance with AS 3600 and not less than 1.25 times the development length for each bar.

19. Mesh reinforcement shall have splices made so that the overlap, measured between the outermost transverse wires of each sheet of mesh, is not less than the spacing of those wires plus 50mm.

20. Welding of reinforcement shall not be permitted unless shown on the structural drawings or approved by the Superintendent.

21. Joggles to bars shall be 1 bar diameter over a length of 12 bar diameters.

22. Bundled bars shall be tied together at 30 bar diameter centres with three wraps of tie wire.

23. Where transverse tie bars are not shown provide N12 at 400mm distribution bars unless noted otherwise. Splice distribution bars 500mm where necessary and provide 500mm splice length with main bars unless noted otherwise.

24. All dowels placed in joints in concrete slabs shall be placed within the following tolerances:
   Level +/- 1 degree
   Line +/- 1 degree
   Position +/- 5mm

25. Sliding bearing strips supporting concrete slabs shall be composed of two layers of 0.4mm thick galvanised steel plate with an intermediate layer of grease (unless noted otherwise). The strips shall be the same width as the bearing surface.

SPECIFICATION FOR CONSTRUCTION OF TRAFFICABLE PAVEMENTS

1. All work to be in accordance with the Specification.
2. Earthworks shall be carried out under the Level of Control as specified by the geotechnical engineer.

SUBGRADE

3. Clear the area to be occupied by the pavement and its adjuncts. Break up and remove foundations, slabs, paving etc. found on the surface or within 300mm of the basecourse. Remove all topsoil and organic matter and grub out all roots and stumps. Remove all rubble remaining from excavations.

4. The subgrade material (natural ground below excavations) shall be thoroughly compacted by proof rolling with a minimum of 8 passes of a 10 tonne dead weight static smooth drum roller. This proof rolling shall be inspected by the geotechnical engineering consultant, to determine the extent of replacement of any unsuitable material encountered. The cost of all such work shall be deemed to be included in the Contractors tender.

5. Any soft, yielding, organic or other unsuitable material in the subgrade shall be removed for a depth of at least 300mm and holes so formed shall be filled with approved filling compacted in 150mm layers as specified below.

6. Bring all filling on to the site unless it can be provided from spoil recovered from the site. Filling shall be sound clean stable material, free of perishable material or any other material that will not form stable fill. The fill material shall be capable of consolidation so that it is firm and unyielding throughout its depth.

7. Place filling in layers not exceeding 200mm thick when measured loose. Bring filling to optimum moisture content (+/- 2%) by watering and compact each layer thoroughly and uniformly with a vibrating roller.

8. Consolidate each layer of filling to obtain a uniform density of not less than 100% of the standard maximum dry density of the material as determined by AS1289.5.1.1.

TESTING

9. The Contractor shall allow for testing at the rate of one test per 200 square metres of surface area for each of the following finished surfaces, with a minimum of three tests for each compacted layer.
- Subgrade
- Sub-basecourse
- Basecourse

9. The Contractor shall allow for testing at the rate of one test per 30 cubic metres for the filling, with a minimum of three tests for each compacted layer.

10. The location of all tests shall be to the approval of the Superintendent. Testing shall not be less than as specified in Table 8.1 of AS3798.

11. The Contractor shall obtain from a registered N.A.T.A. testing authority documented test evidence proving that the compaction figures as required for the materials specified herein have been obtained. The cost of such work shall be deemed to be included in the Contractor's Tender.
Test results for each stage (i.e. subgrade, subbase, basecourse and fill where applicable) to be submitted to the Superintendent prior to proceeding to the next stage of the works.

SPECIFICATIONS FOR FLEXIBLE TRAFFICABLE PAVEMENTS

Asphaltic Concrete (ACxx) shall be in accordance with documents such as "Good Asphaltic Paving Practice" as described in AS2150 and current RMS specifications. Tack coats shall be applied to the relevant substrate to leave a residual bitument content of 0.1 to 0.2 litres per square meter, brush away pool bitumen mix. Joints shall be kept to a minimum and the density and surface finish at joints shall be similar to that of the layer. Comapction shall be in accordacne with the requirements of AS2734 and all compaction shall be undertaken using self-propelled rollers where initial rolling shall be undertaken before the mid-depth temperature has dropped below 105 degrees , the secondary rolling shall be completed before the mid-depth temperature has dropped below 80 degrees. The finished as wearing surface shall be smooth, dense, have correct falls, and shall not vary more than
- 3mm in vertical level as required,
- 3mm when measured using a 3m long straight edge laid transversely
- 5mm when measured using a 3m long straight edge laid longitudinally
- minus 0mm to plus 2mm adjacent to elements such as kerbs to avoid localised pooling of water
- minus 0mm from the specified thickness

We also recommend marking paint is applied after curing has occured and not less than before as required by the manufacturer of the marking paint. We do not recommend plant or equivalent heavy machinery is stored on the newlya laid flexible pavement until Practical Completion.

SUB-BASE

12. The sub-basecourse layer shall consist of compacted thickness of crushed rock in accordance with RTA QA Specification 3051 and RTA QA Specification R71. The material used for this course shall be a Class 2 DGS 20 in accordance with the aforementioned standards.

Design Original Subgrade CBR = 3.0%. ASSUMED TO BE CONFIRMED ONSITE BY GEOTECHNICAL ENGINEER.
Design Traffic Loading = 1 x 10^5 ESA

BASE

13. The basecourse layer shall consist of compacted thickness of crushed rock in accordance with RTA QA Specification 3051 and RTA QA Specification R71. The material used for this course shall be Class 1 DGB 20 in accordance with the aforementioned standards.

WEARING SURFACE

14. The wearing surface of compacted asphaltic concrete shall be provided over a prime and 7mm hot bitumen type seal in accordance with RTA QA Specification R106.

LEGEND

AAPT INE — AAPT — AAPT
COMMS LINE — C — C
ELECTRICAL LINE — E — E
FIRE LINE — F — F
GAS LINE — GAS — GAS
WATER LINE — W —
NBN LINE — NBN — NBN
OPTUS LINE — OP — OP
TPG LINE — TPG — TPG
TELECOMMUNICATION LINE — T — T
OVERFLOW LINE — OFP — OFP
SEWER LINE — S — S
SEWER EXISTING LINE — EX.S — EX.S
SUBSOIL DRAINAGE LINE — SSD — SSD

GRATED SURFACE INLET PIT
KERB INLET PIT
TELEPHONE PIT
DOWN PIPE — DP
FLOOR WASTE — FW

ABBREVIATIONS

Ø OR DIA	DIAMETER
CBR	CALIFORNIA BEARING RATIO
CH	CHAINAGE
CL	CENTRE LINE
CO	CLEAR OUT
DD	DISH CROSSING
DDO	DISH DRAIN OUTLET
DEJ	DOWELLED EXPANSION JOINT
DGB	DENSE GRADED BASECOURSE
DGS	DENSE GRADED SUB-BASE
DP	DOWNPIPE
e	EXISTING
EX.S	EXISTING SEWER PIPE
EX.SW	EXISTING STORMWATER PIPE
FFL	FINISHED FLOOR LEVEL
GTD	GRATED TRENCH DRAIN
GSIP	GRATED SURFACE INLET PIT
HYD	HYDRANT
IJ	ISOLATING JOINT
IK	INTEGRAL KERB
IL	INVERT LEVEL
IP	INTERSECTION POINT
KIP	KERB INLET PIT
KO	KERB ONLY
K&G	KERB & GUTTER
KR	KERB RETURN
LS	LONGITUDINAL SECTION
NGL	NATURAL GROUND LEVEL
OFP	OVERLAND FLOW PATH
OSD	ON-SITE DETENTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RK	ROLL KERB & GUTTER
RL	REDUCED LEVEL
RW	RETAINING WALL
RWT	RAINWATER TANK
S	SEWER PIPE
SJ	SAWN CONTROL JOINT
SSD	SUBSOIL DRAINAGE
SMH	SEWER MAN HOLE
SW	STORMWATER
SWP	STORMWATER PIT
SWRM	STORMWATER RISING MAIN
SWS	STORMWATER SUMP
SV	STOP VALVE
TM	TEMPORARY SITE ROADWAY
TOK	TOP OF KERB
TOW	TOP OF WALL
TP	TANGENT POINT
UPVC	UNPLASTICISED POLYVINYL CHRLORIDE
UNO	UNLESS NOTED OTHERWISE
WPJ	WEAKENED PLANE JOINT

NOTE:
ALL EXISTING DRAINAGE TO BE INSPECTED BY A REGISTERED PLUMBER AND CERTIFIED THAT IT IS IN GOOD WORKING CONDITION OTHERWISE, ALLOW TO RECTIFY AND/OR REPLACE AS NECESSARY.

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.

ALL SUBSOIL DRAINAGE NOT SHOWN ON PLAN ARE TO BE PROVIDED AND CONNECTED TO THE STORMWATER DRAINAGE SYSTEM.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
1	FOR APPROVAL	-	14-05-2021

ARCHITECT
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

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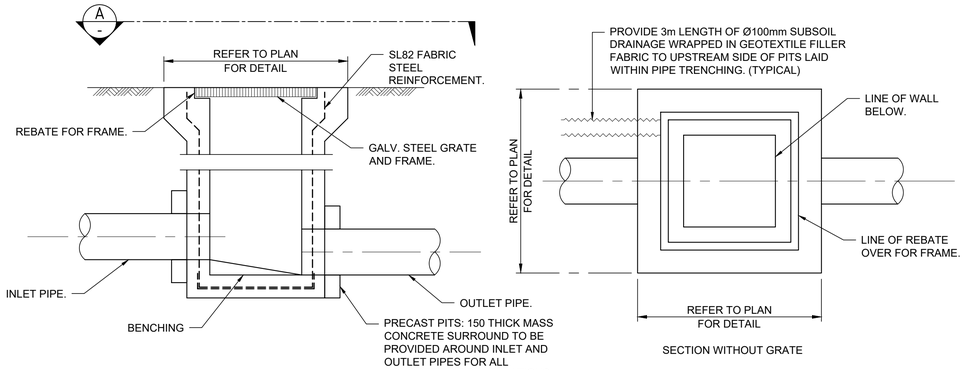
PROJECT
ALLIED MILL PICTON
5235 PICTON RD, WILTON

TITLE
CONSTRUCTION NOTES

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
1	8142	C-0-GE-01

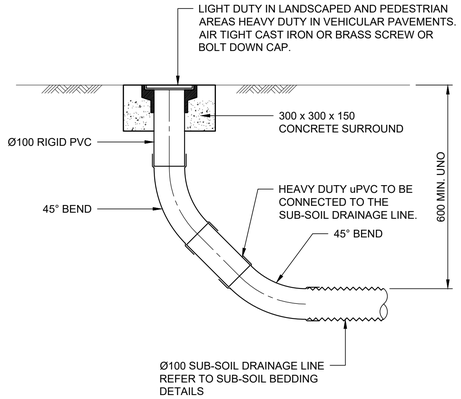


STORMWATER PIT DETAIL

SCALE 1:10

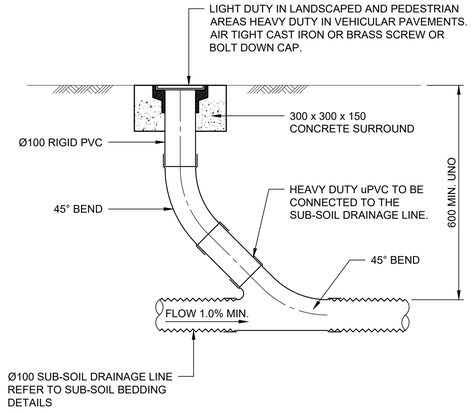
SECTION A

SCALE 1:10



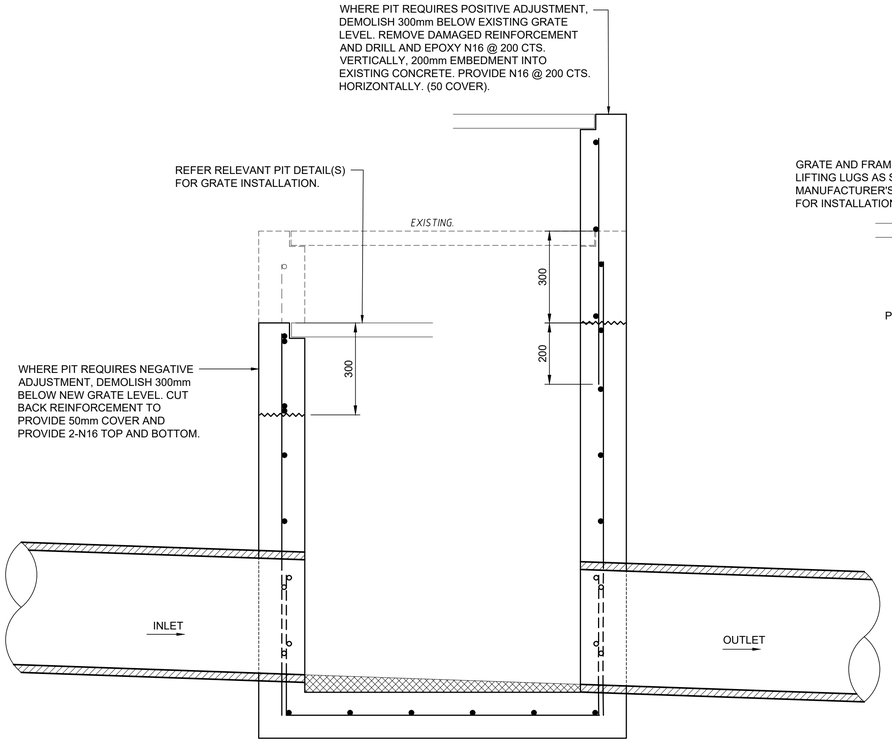
SUBSOIL DRAINAGE CLEAROUT 'CO' END DETAIL

SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



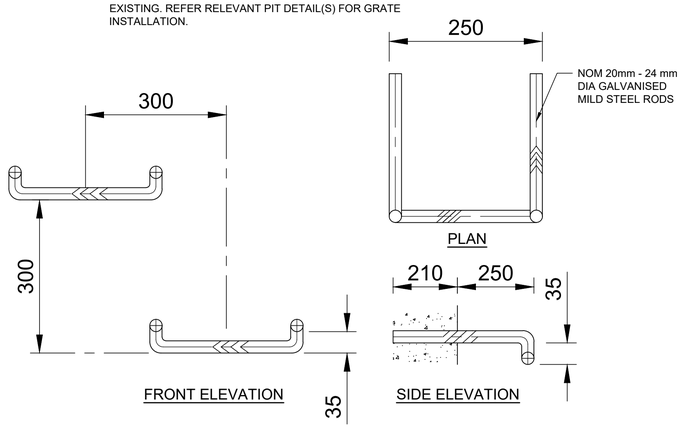
SUBSOIL DRAINAGE CLEAROUT 'CO' INTERMEDIATE DETAIL

SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



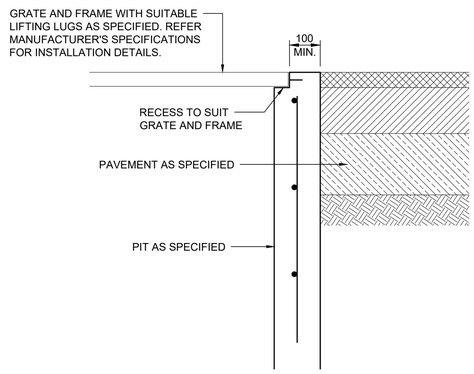
DRAINAGE PIT - LEVELS ADJUSTMENTS

ENSURE NEAT FINISH IS ACHIEVE AT INTERFACE WITH
EXISTING. REFER RELEVANT PIT DETAIL(S) FOR GRATE
INSTALLATION.

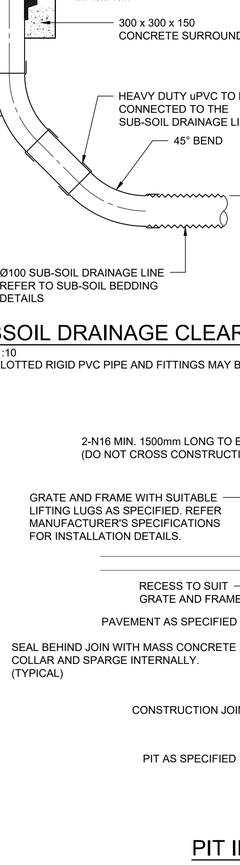


STEP IRON DETAILS

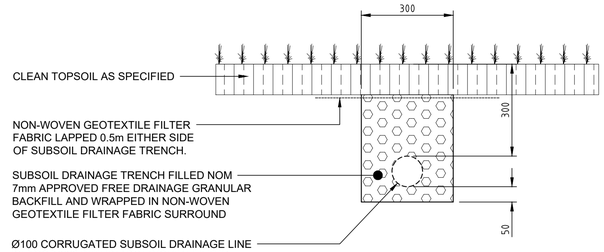
NOT TO SCALE



PIT INTERFACE - DETAIL 'A'

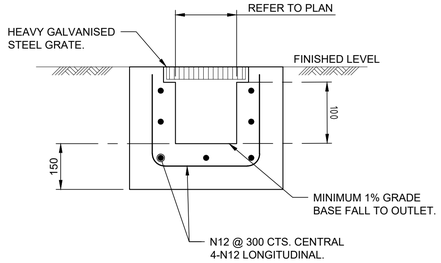


PIT INTERFACE - DETAIL 'B'



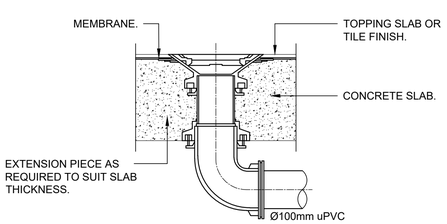
SUBSOIL DRAINAGE TRENCH - LANDSCAPING 'SSD'

CLEAROUT TO BE INSTALLED @ MAX. 30m CENTRES AND
DISCHARGING TO DRAINAGE STRUCTURES @ MAX. 60m CENTRES.



TYPICAL GRATED DRAIN DETAIL

NOT TO SCALE



FLOOR WASTE DETAIL

NOT TO SCALE

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
1	FOR APPROVAL	-	14-05-2021

ARCHITECT
HUNT ARCHITECTS
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Nominated Architect:
Michael Cook NSW Reg. No. 7397

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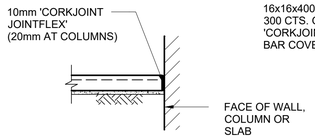
PROJECT
ALLIED MILL PICTON
5235 PICTON RD, WILTON

TITLE
STORMWATER DETAILS SHEET 1

SCALES	DATE
as noted @ A1	MAY 2021

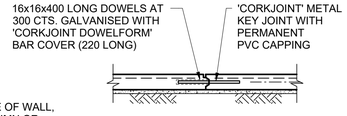
DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
1	8142	C-0-GE-10



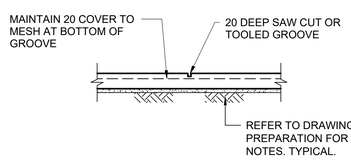
ISOLATION JOINT DETAIL

(USE AS REQUIRED)



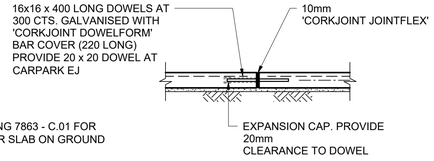
DOWELLED KEY 'DKJ' JOINT DETAIL

(PROVIDE AT 6000mm MAX. CTS. BETWEEN EXPANSION JOINTS)



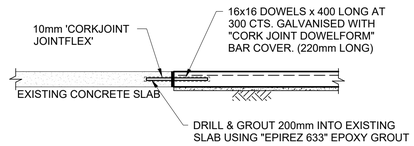
SAWN/TOOLED 'SC' JOINT DETAIL

(PROVIDE AT 3000mm MAX. CTS. BETWEEN OTHER JOINTS)



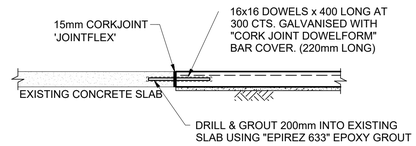
EXPANSION JOINT 'EJ' DETAIL

(PROVIDE AT 18000mm MAX. CTS.)



TYPICAL JUNCTION WITH EXISTING PAVEMENT

(USE AS REQUIRED)



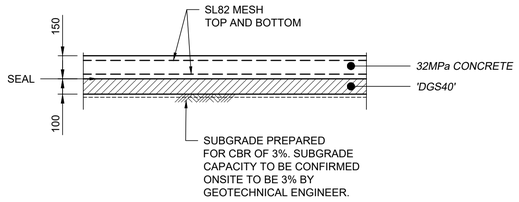
TYPICAL 'SJD' JUNCTION WITH EXISTING PAVEMENT

TYPICAL EXTERNAL FOOTPATH PAVEMENT DETAILS

SCALE 1:20

REFER TO LANDSCAPE ARCHITECTS DRAWINGS FOR PAVEMENT TYPES AND LOCATIONS (USE AS REQUIRED)

NOTE: ALL JOINTS TO SUIT COLOURED CONCRETE LAYOUTS (PROVIDE EJ AT COLOURED CONCRETE JOINTS)

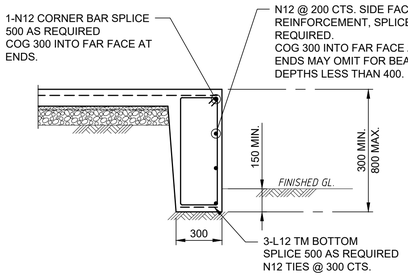


CONCRETE PAVEMENT DETAIL

SCALE 1:20

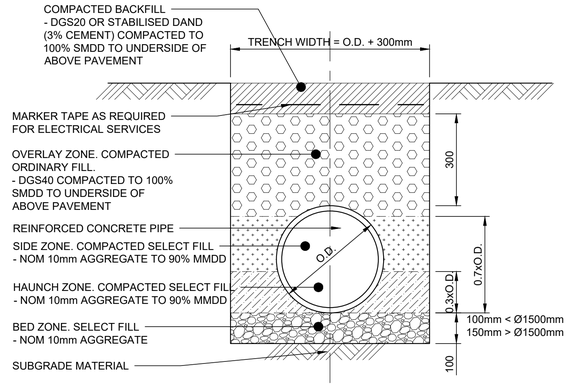
DESIGN TRAFFIC LOADING= 1 x 10^5 ESA

DENOTED ON PLAN



EDGE DOWNTURN DETAIL

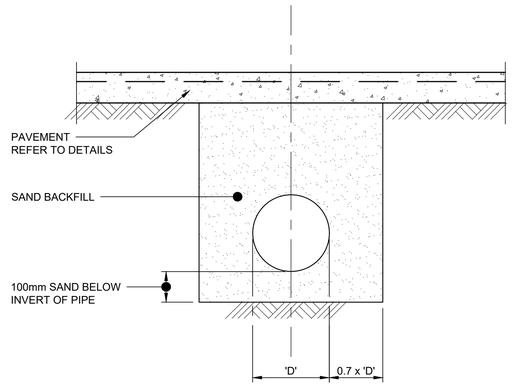
SCALE 1:20



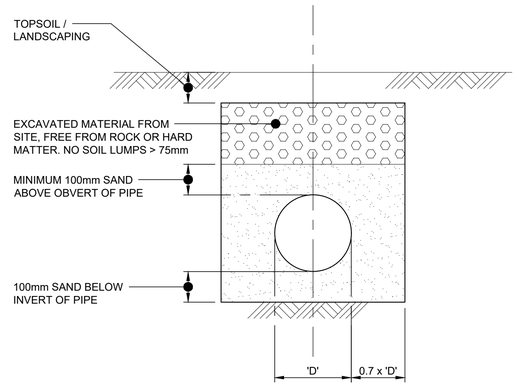
TYPICAL PIPE TRENCH - UNDER ROADS

NOT TO SCALE

1. TRENCH WIDTH MAY NEED TO BE INCREASED SUBJECT TO ACHIEVING COMPACTION ENSURE MINIMUM 300mm CLEARANCE BETWEEN. WHEN USING MULTIPLE PIPES TO ACHIEVE ADEQUATE COMPACTION.
2. MINIMUM PIPE COVER UNDER ROADS TO BE 600mm U.N.O. FOR CLASS '2' PIPES.
3. THE CONTRACTOR SHALL ENSURE THAT SHORING OF TRENCHES IS INSTALLED AS REQUIRED BY STATUTORY REQUIREMENTS.
4. ENSURE BACKFILLING COMPACTION MEETS THE FOLLOWING STANDARDS.
   4.1. TRENCHES UNDER PAVED AREAS / BUILDING - 100% SMDD.



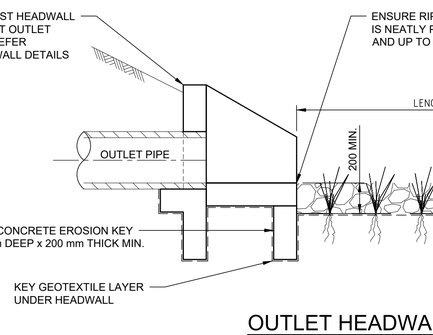
NON-TRAFFICABLE PAVED AREAS



LANDSCAPED AREAS

PIPE BACKFILLING DETAIL

NOT TO SCALE



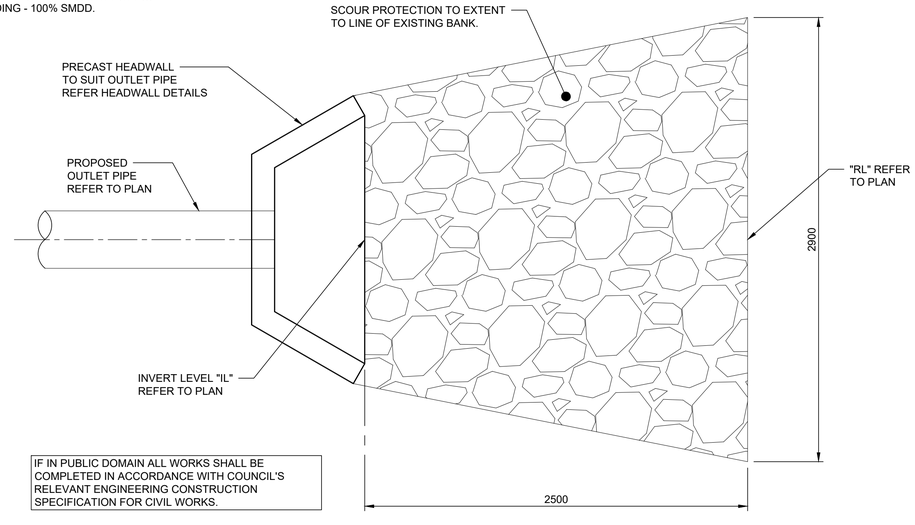
OUTLET HEADWALL RIPRAP SECTION

N.T.S.

NOTES:

1. ALL RIPRAP MUST CONSIST OF HARD, DURABLE ANGULAR RUN-OF-QUARRY ROCK; RESISTANT TO WEATHERING & WATER ACTION; FREE FROM OVERBURDEN, SPOIL, SHALE & ORGANIC MATERIAL; & SHALL MEET THE GRADATION REQUIREMENTS SPECIFIED.
2. ROUNDED STONES/BOULDERS WILL NOT BE ACCEPTABLE.
3. SHALE AND ROCK WITH SHALE SEAMS WILL NOT BE ACCEPTABLE.
4. ROCK ARE TO BE PLACED OVER A 200 mm LAYER OF ANGULAR COBBLES D_{50} = 140 mm.
5. ALL ROCK AND COBBLES TO BE PACKED WITH TOPSOIL. GAPS IN RIPRAP TO BE PLANTED WITH SUITABLE NATIVE GRASSES/SEDGES.
6. RIPRAP SHALL BE PLACED ON THE PREPARED SLOPE IN A MANNER THAT WILL PRODUCE A REASONABLY WELL GRADED MASS OF STONE WITH THE MINIMUM PRACTICAL PERCENTAGE OF VOIDS.
7. LARGER STONES SHALL BE WELL DISTRIBUTED AND THE ENTIRE MASS OF STONE SHALL CONFORM TO THE GRADATION SPECIFIED BY THE ENGINEERING PLANS.
8. THE MINIMUM THICKNESS OF THE RIPRAP LAYER IS TO BE 1.5 TIMES THE D_{50} ROCK SIZE & NOT BE LESS THAN 300 mm FOR PRACTICAL PLACEMENT.
9. THE MINIMUM DENSITY OF STONE USED SHALL NOT BE LESS THAN 2200 kg/cum. TYPICAL ROCK WEIGHT RANGES FOR RIPRAP ARE:

M15	- 25 kg
M50	- 60 kg (NOM 300MD)
M100	- 120 kg



IF IN PUBLIC DOMAIN ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH COUNCIL'S RELEVANT ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

OUTLET AND SCOUR PROTECTION PLAN

N.T.S.

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
2	DETAILS ADDED	-	17-06-2021
1	FOR APPROVAL	-	14-05-2021

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PROJECT

ALLIED MILL PICTON
5235 PICTON RD, WILTON

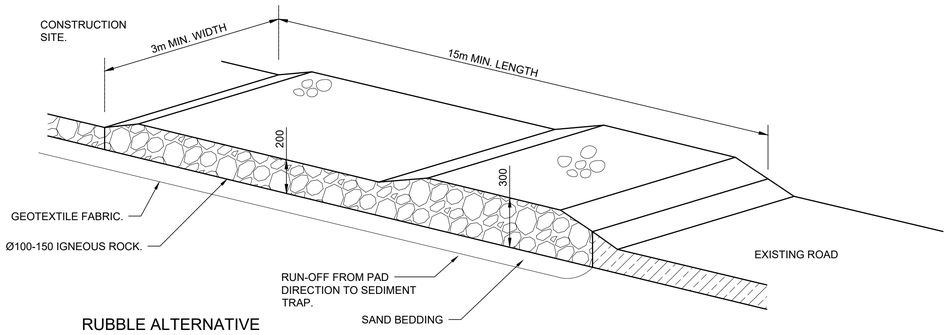
TITLE

STORMWATER DETAILS SHEET 2

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

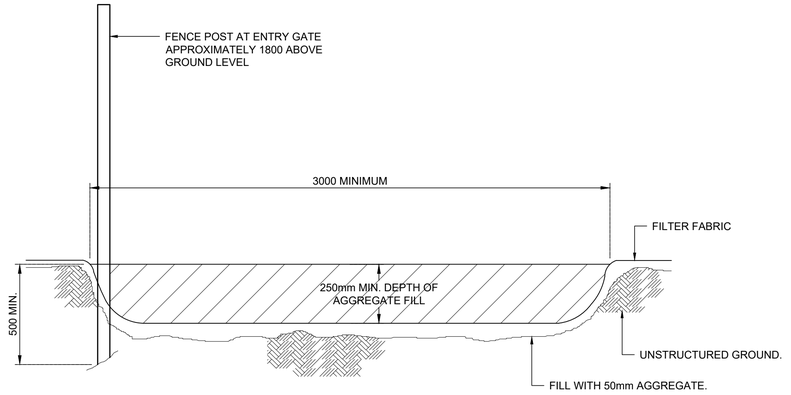
ISSUE	PROJECT No.	DRAWING No.
2	8142	C-0-GE-11



RUBBLE ALTERNATIVE

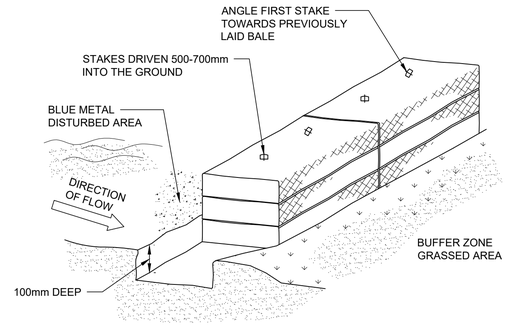
TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE



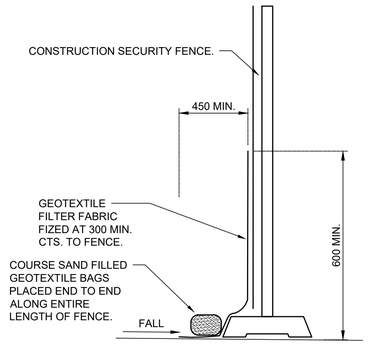
CROSS-SECTION OF CONSTRUCTION ENTRY/EXIT DETAIL

NOT TO SCALE



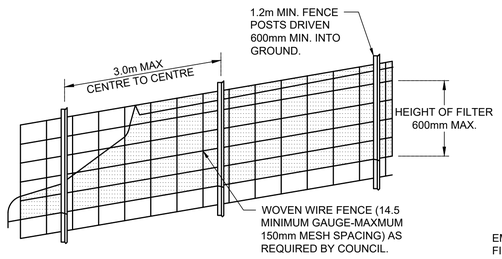
HAY BALE BARRIER DETAIL

NOT TO SCALE

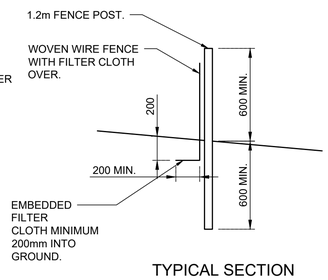


SEDIMENT FENCE ON PAVED SURFAC E

NOT TO SCALE



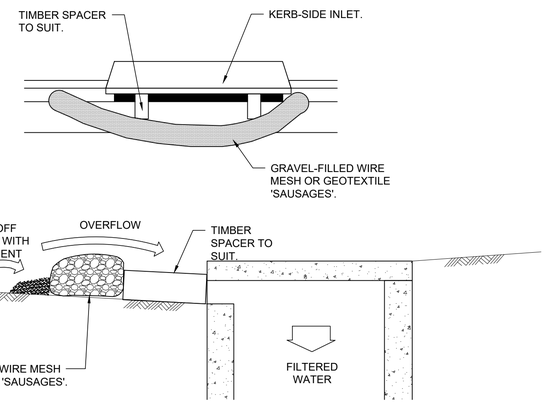
DIAGRAMMATIC VIEW



TYPICAL SECTION

SEDIMENT FENCE DETAIL

NOT TO SCALE

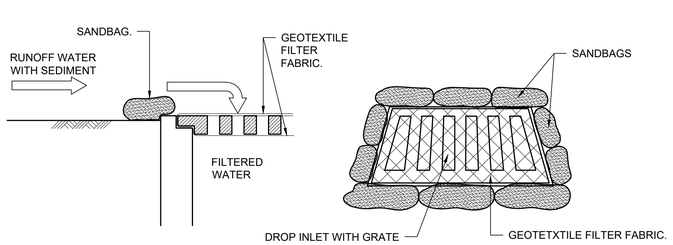


MESH AND GRAVEL INLET FILTER

SCALE 1:20

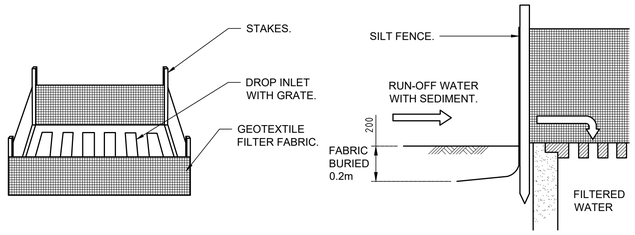
NOTES:

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT/LADEN WATERS CANNOT PASS BETWEEN.



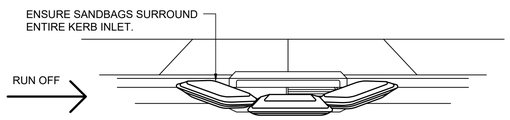
GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP

NOT TO SCALE



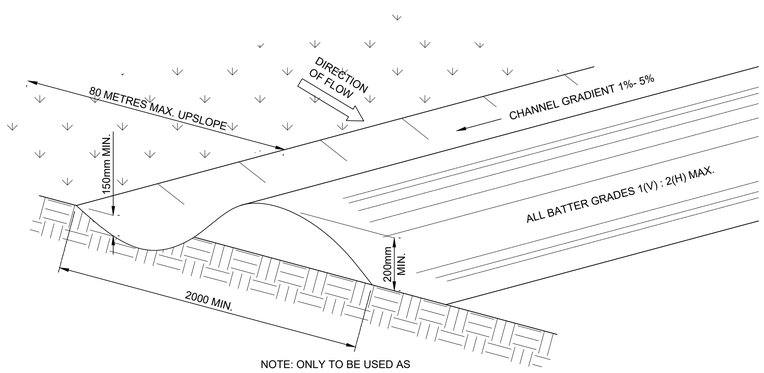
SUMP SEDIMENT TRAP DETAIL

NOT TO SCALE



SANDBAG KERB INLET SEDIMENT TRAP

NOT TO SCALE



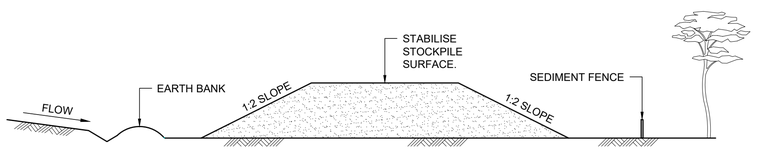
NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAX. UPSLOPE IS 80 METRES

CATCH DRAIN

NOT TO SCALE

CATCH DRAIN CONSTRUCTION NOTES:

1. CONSTRUCT ALONG GRADIENT AS SPECIFIED.
2. MAXIMUM SPACING BETWEEN BANKS SHALL BE 80 METRES.
3. DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
5. CONSTRUCTION OF A TEMPORARY NATURE AND SHALL BE COMPACTED AT THE END A DAYS WORK OR IMMEDIATELY PRIOR RAIN.
6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO SEDIMENT BASIN OR SIMILAR.
7. DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
8. COMPACT WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN 5 DAYS.
9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.



STOCKPILES DETAIL

NOT TO SCALE

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
1	FOR APPROVAL	-	14-05-2021

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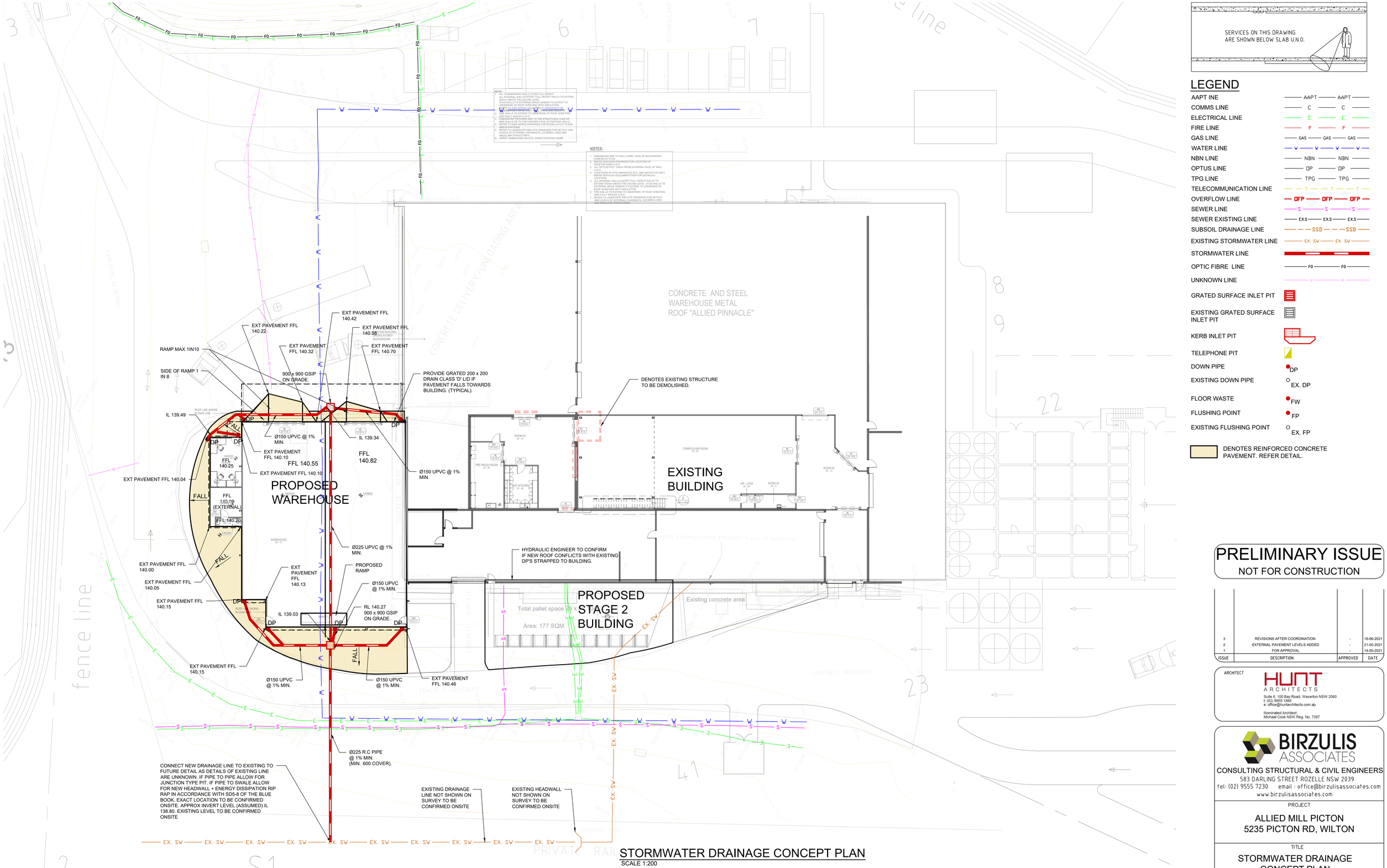
PROJECT
ALLIED MILL PICTON
5235 PICTON RD, WILTON

TITLE
SOIL EROSION AND SEDIMENT CONTROL DETAILS

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
1	8142	C-0-GE-30



STORMWATER DRAINAGE CONCEPT PLAN

SCALE 1:200

LEGEND

AAPT INE	AAPT AAPT
COMMS LINE	C C
ELECTRICAL LINE	E E
FIRE LINE	F F
GAS LINE	GAS GAS GAS
WATER LINE	W W W W
NBN LINE	NBN NBN
OPTUS LINE	OP OP
TPG LINE	TPG TPG
TELECOMMUNICATION LINE	T T T
OVERFLOW LINE	OFP OFP OFP
SEWER LINE	S S S
SEWER EXISTING LINE	EX.S EX.S EX.S
SUBSOIL DRAINAGE LINE	SSD SSD
EXISTING STORMWATER LINE	EX. SW EX. SW
STORMWATER LINE	
OPTIC FIBRE LINE	FO FO
UNKNOWN LINE	U U
GRATED SURFACE INLET PIT	
EXISTING GRATED SURFACE INLET PIT	
KERB INLET PIT	
TELEPHONE PIT	
DOWN PIPE	DP
EXISTING DOWN PIPE	EX. DP
FLOOR WASTE	FW
FLUSHING POINT	FP
EXISTING FLUSHING POINT	EX. FP

DENOTES REINFORCED CONCRETE PAVEMENT. REFER DETAIL.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
3	REVISIONS AFTER COORDINATION	-	16-06-2021
2	EXTERNAL PAVEMENT LEVELS ADDED	-	21-05-2021
1	FOR APPROVAL	-	14-05-2021

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PROJECT
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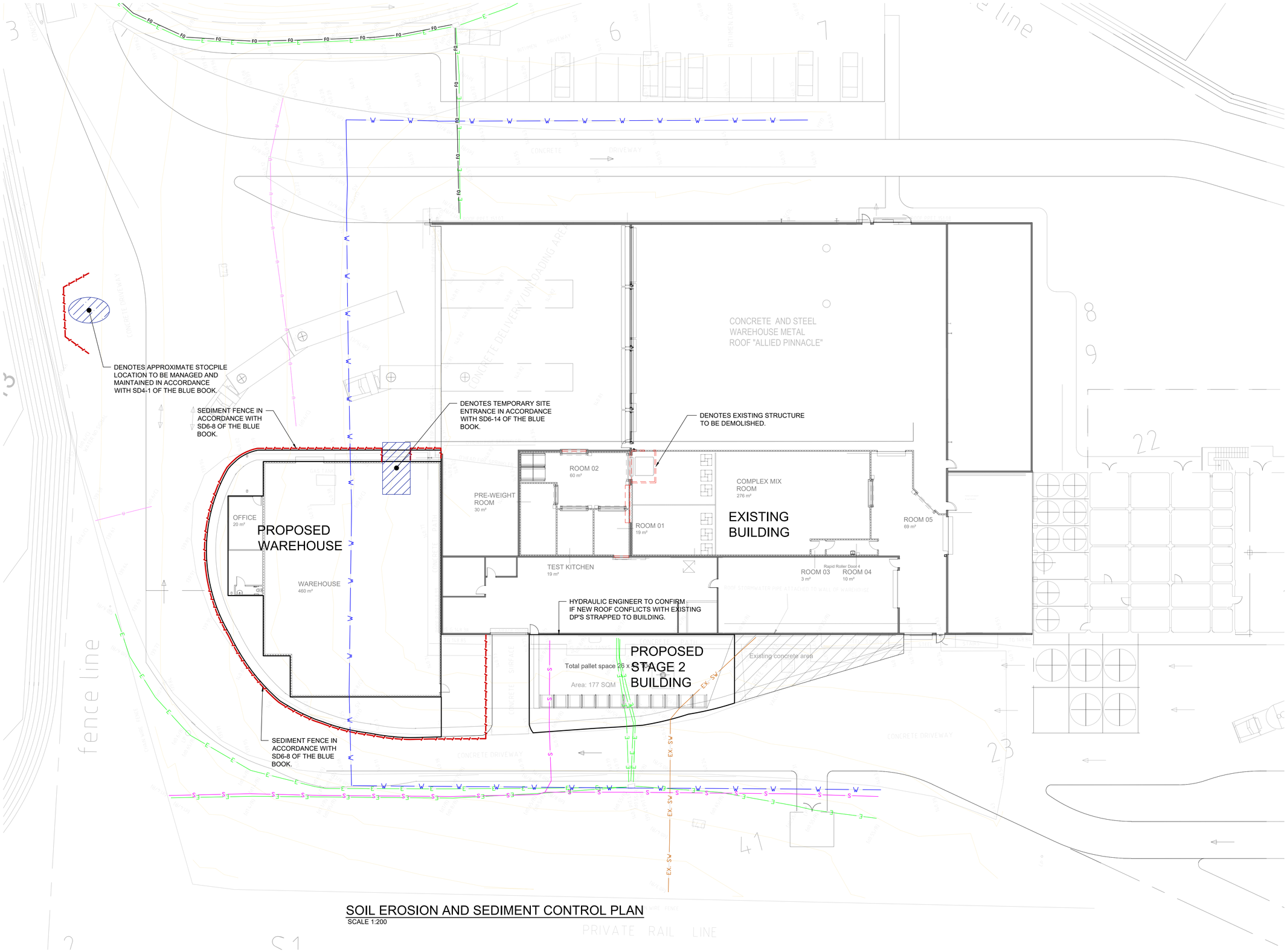
5235 PICTON RD, WILTON

TITLE
STORMWATER DRAINAGE CONCEPT PLAN

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
3	8142	C-1-GF-01



SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE 1:200

GENERAL NOTES.

1. THIS PLAN IS A CONCEPT PLAN ONLY FOR STORMWATER DISPOSAL & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.
2. ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY LATER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

EROSION & SEDIMENTATION CONTROL NOTES

1. CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.
2. EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.
3. NO PARKING OR STOCKPILING OF MATERIAL IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
4. GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.
5. CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	APPROVED	DATE
1	FOR APPROVAL	-	14-05-2021

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PROJECT
ALLIED MILL PICTON
5235 PICTON RD, WILTON

TITLE
SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALES	DATE
as noted @ A1	MAY 2021

DRAWN	DESIGN	VERIFIED	APPROVED
JM	CA		

ISSUE	PROJECT No.	DRAWING No.
1	8142	C-1-GF-30

ALLIED PINNACLE STAGE -1

330 PICTON ROAD, WILTON , NSW 2571

HYDRAULIC & FIRE PROTECTION SERVICES

LINE STYLES

- DETAIL BORDER
- COLD WATER
- EXISTING COLD WATER
- COLD WATER HIGH LEVEL
- NON POTABLE (NP) COLD WATER
- EXISTING NP COLD WATER
- HOT WATER
- EXISTING HOT WATER
- HOT WATER HIGH LEVEL
- HOT WATER HIGH LEVEL EXISTING
- SEWER
- EXISTING SEWER
- EXISTING SEWER ASSUME
- SEWER RISING MAIN
- EXISTING SEWER RISING MAIN
- VENT LINE
- EXISTING VENT LINE
- FIRE HOSE REEL
- EXISTING FIRE HOSE REEL
- FIRE HYDRANT MAIN
- EXISTING FIRE HYDRANT MAIN
- FIRE HYDRANT MAIN HIGH LEVEL
- EXISTING FIRE HYDRANT MAIN HIGH LEVEL
- ELECTRICAL

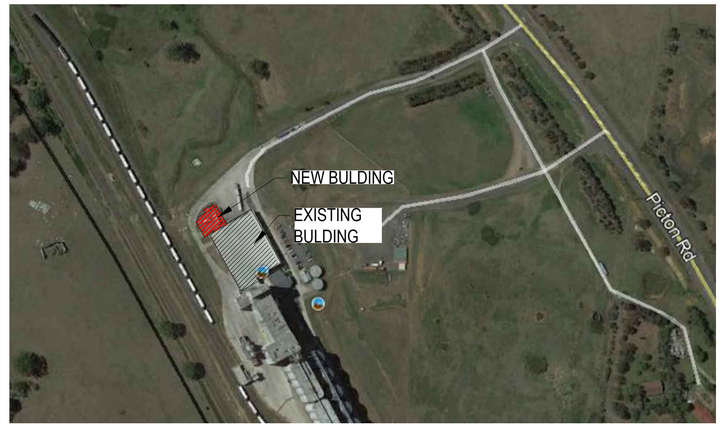
SYMBOLS

- BEAM PENETRATION
- TYPE OF SERVICE
- SIZE OF SERVICE
- DIRECTION OF SERVICE
- DETAIL NUMBER
- DRAWING REFERENCE
- CONTINUATION
- CONTINUATION
- CONTINUATION
- CONTINUATION
- CALCULATION NODE
- OVERLAND FLOW PATH
- DEMOLITION
- DEMOLITION
- RL POINT
- RISER
- DROPPER
- TEE RISER / DROPPER
- CAP END
- REDUCER

- GAS FILTER
- GAS OUTLET
- GAS OUTLET (SINGLE)
- GAS OUTLET (DOUBLE)
- GAS ISOLATION VALVE
- GAS METER
- GAS REGULATOR
- STREET HYDRANT
- FIRE SPRINKLER
- DRENCHER
- FIRE HOSE REEL
- FIRE HYDRANT
- FIRE HYDRANT DOUBLE HEADED PILLAR
- FIRE HYDRANT BOOSTER VALVE
- FIRE BOOSTER VALVE
- FIRE EXTINGUISHER PORTABLE
- CEILING SPRINKLER
- UPRIGHT SPRINKLER
- RISE/DROP IN SPR PIPE SYSTEM
- EXPOSED SPRINKLER PENDENT
- EXPOSED SPRINKLER UPRIGHT
- HIGH TEMPERATURE SPRINKLER
- (deep fat fryer)
- (HIGH TEMPERATURE SPRINKLER
- (base and top of lift shafts)
- MJC DRY SPRINKLER
- (LIFT MOTOR ROOMS, ELECT, SWITCH
- ROOMS)
- ALARM BELL
- DRY HEAD
- SPRINKLER
- SPRINKLER
- FIRE COLLAR
- FIRE HOSE REEL
- EWIS SPEAKER
- OCCUPANT WARNING SPEAKER
- -
- FIRE INDICATOR PANEL
- EXTERNAL VISUAL STROBE
- PORTABLE FIRE EXTINGUISHER
- THERMAL DETECTOR
- SMOKE DETECTOR
- MAIN PANEL
- INDICATOR PANEL
- SUB-FIRE INDICATOR PANEL
- SPRINKLER ALARM VALVE
- ADDRESSABLE SMOKE DETECTOR WITH SAMPLING PROBE
- FLANGE CONNECTION
- CHECK VALVE
- ALARM VALVE WET
- ALARM VALVE DRY
- STRAINER

- INSPECTION OPENING
- CLEAR OUT
- SEWER/STORMWATER MANHOLE
- SEWER INSPECTION PIT
- 450 STORMWATER INSPECTION PIT
- 600 STORMWATER INSPECTION PIT
- 450 STORMWATER GATIC PIT
- 600 STORMWATER GATIC PIT
- 900x600 STORMWATER GATIC PIT
- RAINWATER OUTLET
- SPREADER
- HAY BAIL / SEDIMENT BARRIER
- FLOOR WASTE
- BASKET TRAP FLOOR WASTE
- PLANT ROOM FLOOR WASTE
- DUCT DRAIN
- SPOON DRAIN
- OVERFLOW GULLY
- INDUCT PIPE MICA FLAP
- BOUNDARY TRAP
- TUNDISH
- GREASE ARRESTOR
- HOSE TAP
- STOP VALVE
- CHECK VALVE
- REDUCED PRESSURE ZONE DEVICE
- THERMOSTATIC MIXING VALVE
- THERMOSTATIC MIXING VALVE
- TEMPERING VALVE
- STOP VALVE IN PATH BOX
- -
- GLOBE VALVE
- BALL VALVE
- SOLENOID VALVE
- PRESSURE RELIEF VALVE
- JOIN
- STRAINER
- FLOW DIRECTION
- HOT WATER UNIT
- WATER METER
- PUMP
- TEMPERING VALVE
- SAFETY SHOWER

MAP



HYDRAULICS GENERAL NOTES

GENERAL

- EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. MFA DOES NOT GUARANTEE THE ACCURACY AND IT IS THE SUB-CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CLEARANCE SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- SUB- CONTRACTOR IS TO LOCATE AND CONFIRM LEVELS OF ALL EXISTING SERVICE CONNECTIONS PRIOR TO COMMENCING WORK.NOTIFY MAIN CONTRACTOR'S REPRESENTATIVE IMMEDIATELY IF ANY DIFFERENCES IN POSITION AND LEVEL ARE FOUND.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE BCA AS3500 REQUIREMENTS AND REGULATIONS.
- ALL DRAWINGS THAT FORM PART OF THIS CONTRACT SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL AND SITE WORKS DRAWING AND THE SPECIFICATION.
- THE SUB-CONTRACTOR, THEIR AGENT OR WHOEVER IS RESPONSIBLE FOR THE WORKS WITHIN THESE DRAWINGS SHALL TAKE FULL RESPONSIBILITY FOR AND CARRY OUT.
  A. THE PAYMENT OF ALL FEES TO ALL RELEVANT AUTHORITIES OR BODIES.
  B. THE RESTORATION OF SURFACE,PUBLIC OR OTHERWISE TO THE SATISFACTION OF THE CONTROLLING BODY OR LESSEE.
- ALL PIPES ARE TO BE IDENTIFIED AND LABELED. THE SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAINTING OF ALL PIPEWORK TO AUTHORITY REQUIREMENTS.
- ALL PIPEWORK EXPOSED TO SIGHT WITHIN AMENITY AREAS SHALL BE CHROME-PLATED AND SHALL INCLUDE CHROME PLATED WALL AND FLOOR PANELS.
- THE CONTRACTOR MUST VISIT THE SITE OF WORKS BEFORE TENDERING AND ALLOWANCES ON THEIR TENDER FOR ALL CONSTRAINTS AFFECTING THE EXECUTION OF THE WORKS AND THE RESTORATION OF THE SITE.
- THE CONTRACTOR MUST SECURE ALL PERMITS,ARRANGE ALL CLEARANCES AND PAY ALL FEES REQUIRED TO COMPLETE THE PROJECT BEFORE COMMENCING WORK.

SANITARY DRAINAGE/PLUMBING

- UPVC PIPES TO AS1260 SHALL BE USED INGROUND UNLESS OTHERWISE SPECIFIED,SOLVENT JOINTS SHALL BE USED. ALL ABOVE GROUND/FLOOR WITHIN PIPES SHALL BE STAINLESS STEEL.
- NEW DRAINS TO BE CONSTRUCTED AS SHOWN IN MAGENTA LINES. EXISTING DRAINS ARE SHOWN IN LILAC LINES.
- EXISTING DRAIN UNDER BUILDING SHALL BE TESTED WHERE REQUIRED.

DOMESTIC WATER AND GAS SERVICE

- COPPER TUBES SHALL BE USED FOR DOMESTIC WATER AND GAS AND SHALL COMPLY WITH AS 1432.1993. TYPE 'B' TUBES WHERE INDICATED.ALL ABOVE GROUND/FLOOR WITHIN BUILDING SHALL BE STAINLESS STEEL WHERE INDICATED.
- PROVIDE 15MM MAXIMUM CONNECTION TO EACH FIXTURE. WATER SERVICE LINE TO TWO FIXTURES SHALL BE A MINIMUM OF 20MM OR AS SHOWN ON DRAWINGS.
- ALL BENDS T-JOINTS ETC SHALL BE COPPER FITTINGS AND SHALL BE SILVER BRAZED JOINTS AND COMPLY WITH AS 1959 OR COMPRESSION TYPE JOINT.
- NO CHASES ALLOWED UNLESS APPROVED IN WRITING BY SUPERINTENDENT.
- PROVIDE ISOLATING VALVES AS SHOWN.
- PROVIDE TEMPERING VALVE TO ALL ABLUTIONS FIXTURES.

MATERIALS

- COPPER PIPES AND FITTINGS SHALL COMPLY WITH AS 1418 AND BE TYPE B.
- UPVC PIPES AND FITTINGS SHALL COMPLY WITH AS 1415. WASTE AND VENT PIPES AS 1244 FOR SEWER APPLICATIONS STAINLESS STEEL PIPES AND FITTINGS SHALL COMPLY WITH AS 4020 & AS 3688.

WORK AS EXECUTED DRAWINGS

- THE SUB-CONTRACTOR SHALL PREPARE AND SUBMIT "WORK AS EXECUTED" DRAWINGS AND SUBMIT TO SUPERINTENDENT FOR APPROVAL AND PAY ALL FEES AS REQUIRED.
- THE " WORK AS EXECUTED" DRAWING SHALL SHOW ALL CHANGES TO THE INSTALLATION AS INSTALLED WORK NOT SHOWN ON THE APPROVED DESIGN DRAWINGS.

ABBREVIATIONS

B	BASIN	GPT	GROSS POLLUTION TRAP	SHR	SHOWER
BT	BOUNDARY TRAP	GR	GAS RISER	SIP	SEWER INSPECTION PIT
BFW	BASKET TRAP FLOOR WASTE	GREG	GAS REGULATOR	SL	SURFACE LEVEL
BTH	BATH	GST	GREASE STACK	SMH	SEWER MANHOLE
BWU	BOILING WATER UNIT	GT	GREASE TRAP	SH	SAFETY SHOWER
BV	BALANCING VALVE	GV	GATE VALVE	SS	STAINLESS STEEL
CO	CLEAR OUT	GVP	GREASE VENT PIPE	ST	STACK
CPS	CORRUGATED PLATE SEPARATOR	HL	HIGH LEVEL	ST	STERILIZER STER
CS	CLEANERS SINK	HT	HOSE TAP	SUT	SCRUB UP TROUGH
CV	CONTROL VALVE	HW	HOT WATER	SV	STOP VALVE
CW	COLD WATER	HWU	HOT WATER UNIT	SWP	STORMWATER PIT
DCV	DOUBLE CHECK VALVE	IL	INVERT LEVEL	SWRM	STORMWATER RISING MAIN
DOM	DOMESTIC	IO	INSPECTION OPENING	SWS	STORMWATER SUMP
DP	DOWN PIPE	IPMF	INDUCT PIPE MICA FLAP	SDP	SIPHONIC DOWNPIPE
DTU	DRAINAGE TURN UP	LT	LAUNDRY TUB	TD	TUNDISH
DW	DISH WASHER	LTG	LONGITUDINAL TRENCH GATE	TTD	TRAPPED TUNDISH
E	EXISTING	MJ	MEGA-JOULE	TG	TRENCH GATE
EJ	EXPANSION JOINT	OF	OVERFLOW	TMV	THERMOSTATIC MIXING VALVE
EW	EYE WASH	OFG	OVERFLOW GULLY	TW	TRADE WASTE
FC	FUTURE CONNECTION	PS	PAN SANITIZER	TWL	TOP WATER LEVEL
FH	FIRE HYDRANT	PRV	PRESSURE REGULATING VALVE	UR	URINAL
FHR	FIRE HOSE REEL	RL	REDUCED LEVEL	VP	VENT PIPE
FL	FLOOR LEVEL	RWO	RAIN WATER OUTLET	WC	WATER CLOSET
FW	FLOOR WASTE	RWH	RAIN WATER HEAD	WH	HEAD WALL
G	GAS	RV	REFLUX VALVE	WM	WASHING MACHINE
GAPO	GREASE ARRESTOR PUMP OUT	RPZD	REDUCED PRESSURE ZONE DEVICE	WVP	WASTE VENT PIPE
GL	GROUND LEVEL	S	SINK	WT	WASH TROUGH
GO	GUTTER OUTLET	SEW	SEWER DRAINAGE	U/S	UNDERSIDE
				UW	UTENSIL WASHER

DWG IN COLOUR

No.	DATE	REVISION DESCRIPTION	APPR
A	01.07.21	FOR TENDER	MF
P1	07.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

ARCH
HUNT ARCHITECTS
SUITE 8,100 BAY ROAD,
WAVERTON NSW 2060
TEL: (02) 9955 1466 FAX: .

CLIENT
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LEVEL 4, BUILD G 1 HOME BAY DRIVE, RHODES NSW 2138
TEL: 13000 650 855 FAX: ???

MICHAEL FROST & ASSOCIATES PTY LTD
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email:michael@michaelfrost.com.au
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HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
COVER, LEGEND & ABBREVIATIONS

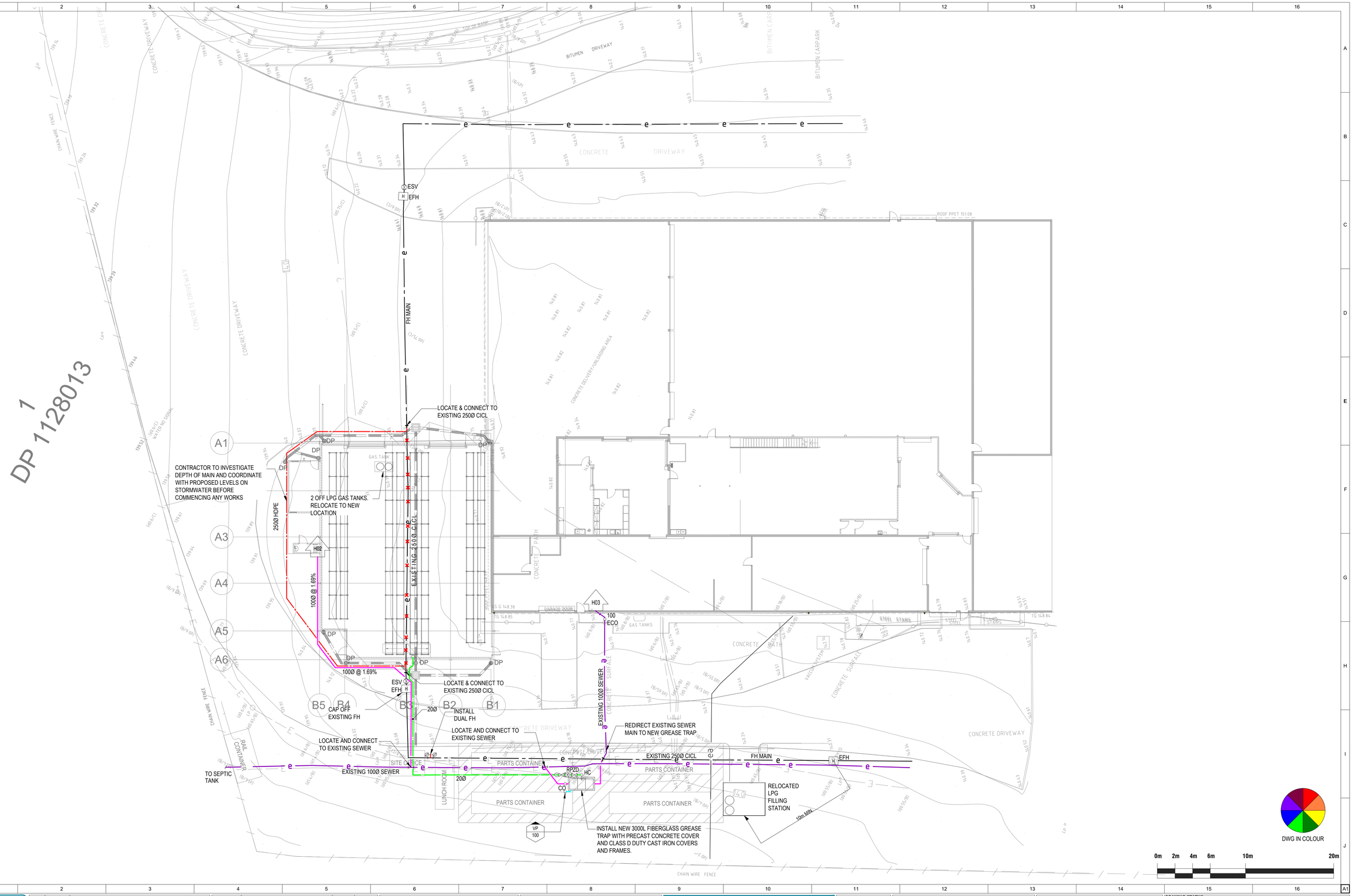
DRAWING STATUS
TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ NTS
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	1 OF 7

CAD FILE PATH:
E:\MFA21230 ALLIED PINNACLE\HYDRAULIC\SH00 - COVER SHEET - H.DWG

PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H00	A

7/17/2021 8:54:34 AM



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No.	DATE	REVISION DESCRIPTION	APPR
B	14.07.21	CW ADDED & HC+RPZD	MF
A	01.07.21	FOR TENDER	MF
P1	21.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

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PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
SITE PLAN

DRAWING STATUS
TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ 1:200
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	1 OF 6

CAD FILE PATH:
E:\MFA\21230 ALLIED PINNACLE\HYDRAULIC\SHD1 - SITE PLAN.DWG

PROJECT No.	DRAWING No.	CURRENT ISSUE
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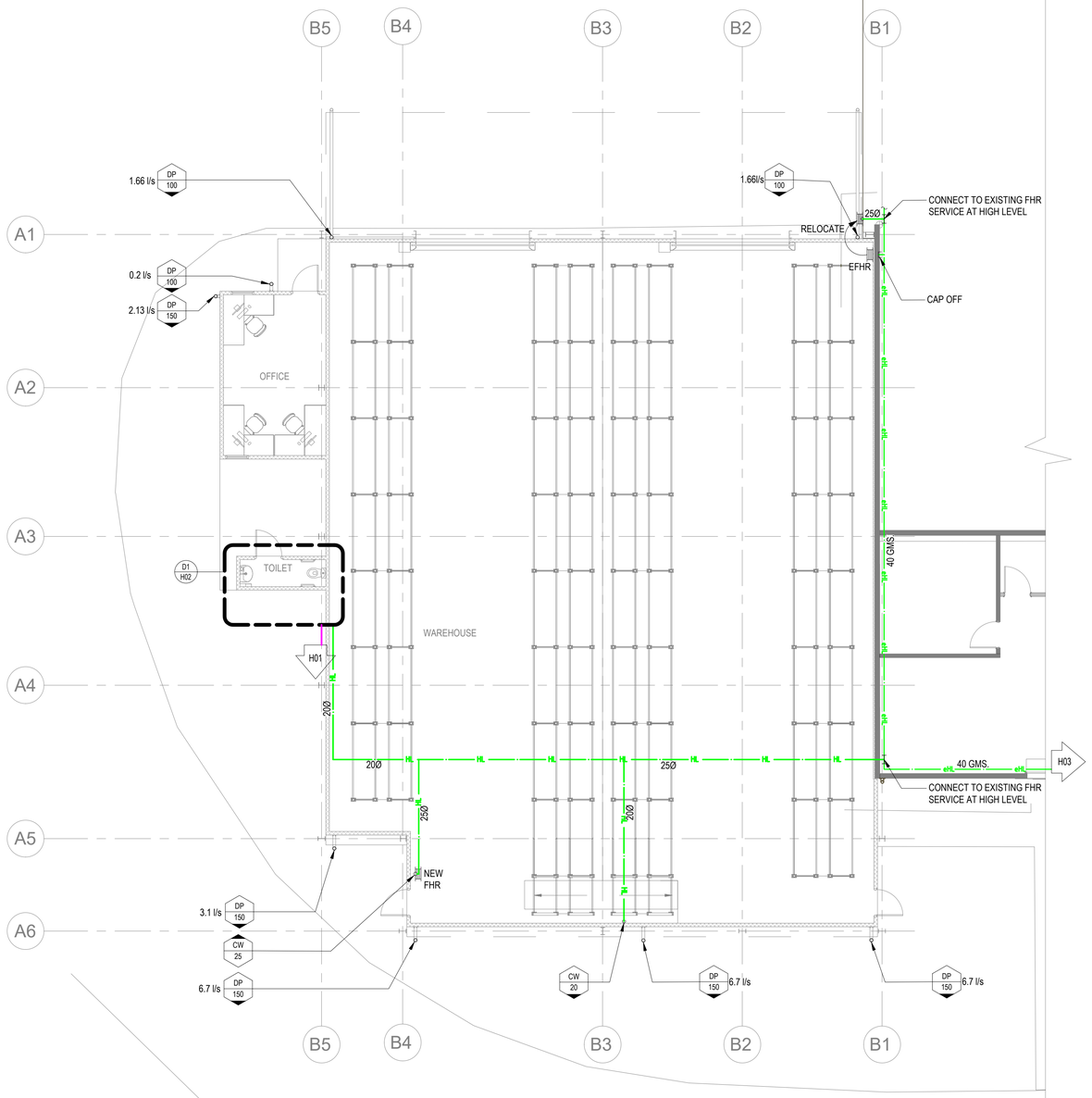
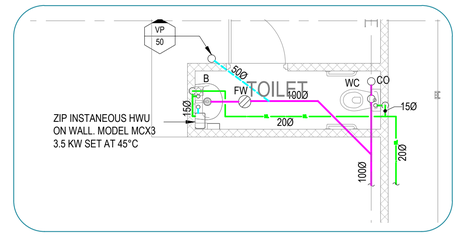
7/17/2021 11:31:07 AM





DETAIL 1: DRAINAGE AND WATER SERVICES

SCALE : 1:50

DWG IN COLOUR

0m 1m 2m 3m 5m 10m

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No.	DATE	REVISION DESCRIPTION	APPR
B	14.07.21	CW PIPING ADDED	MF
A	01.07.21	FOR TENDER	MF
P1	21.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

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M · F · A HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
GROUND FLOOR PART 1 PRESSURE AND DRAINAGE SERVICES

DRAWING STATUS			
TENDER ISSUE NOT TO BE USED FOR CONSTRUCTION			
DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ 1:100
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	2 OF 6

CAD FILE PATH:
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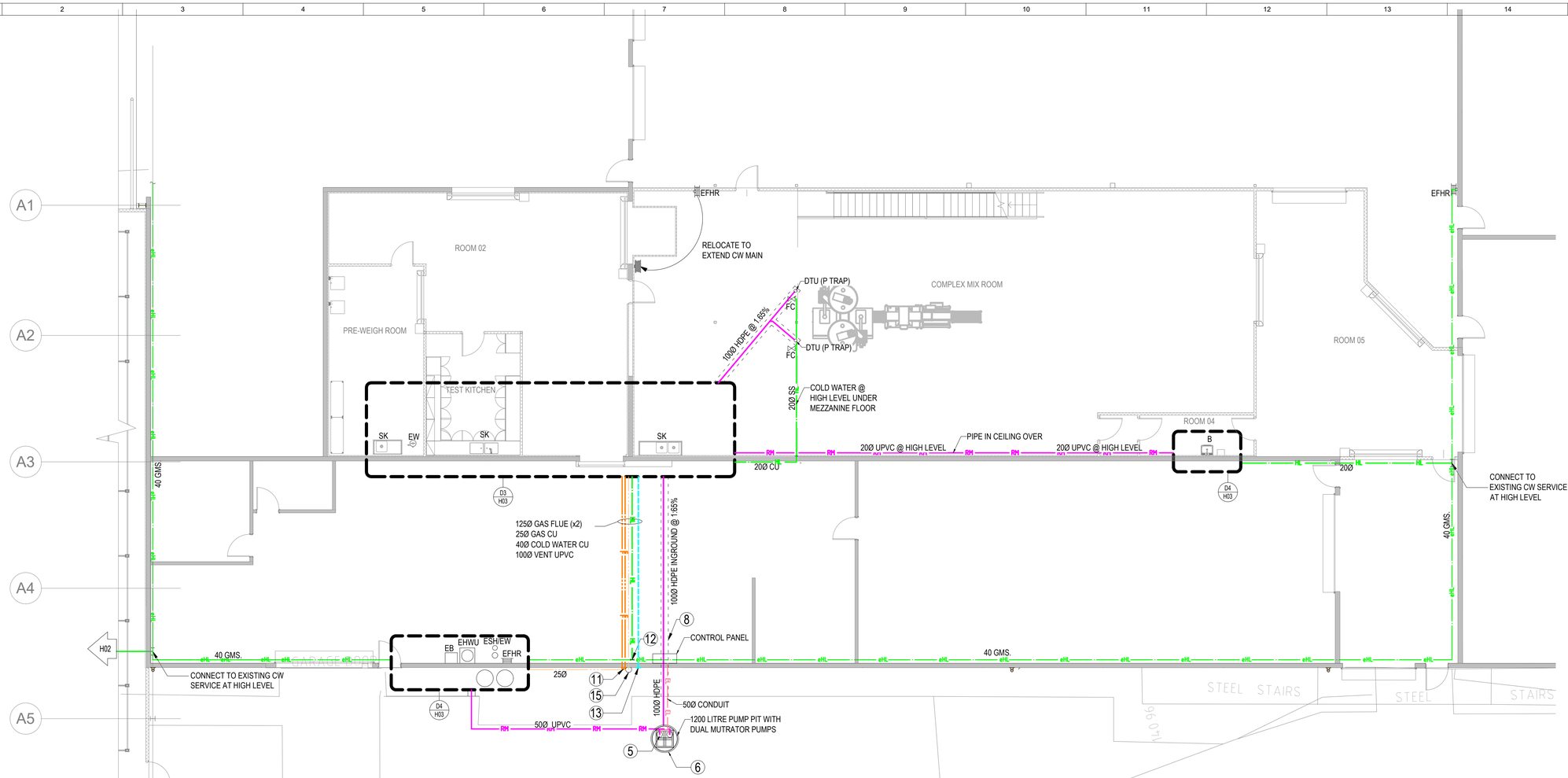
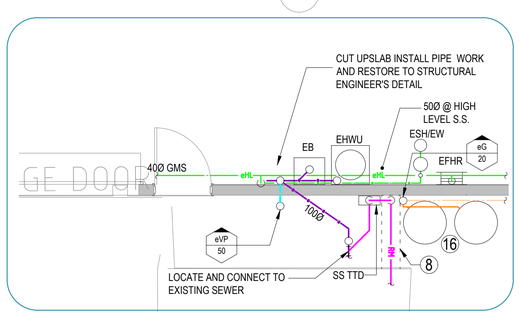
PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H02	B

7/7/2021 8:57:56 AM



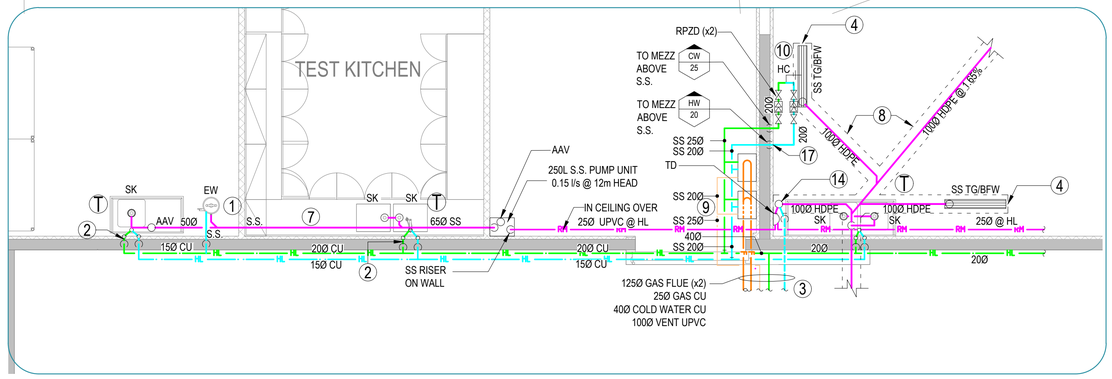
NOTES

1. PIPE ABOVE FLOOR AGAINST WALL
2. PIPES IN WALL.
3. INSTALL PIPING AT HIGH LEVEL PURPOSE BUILT SUPPORT TO STRUCTURAL ENGINEER'S DESIGN.
4. SAW CUT FOR INSTALLATION OF STAINLESS STEEL TRENCH GRATE.
5. DUAL MUTRATOR PUMPS 1 L/S @ 15M HEAD
6. 1200L WASTE WATER PUMP STATION. 2000L EFFECTIVE VOLUME. FITTED WITH HALGAN STAINLESS STEEL INFILL COVER & FRAME AND FRAME 900X600. REFER TO DETAIL SHEET (H06). SUPPLY PUMPS COMPLETE WITH ASSOCIATED VALVES LEVEL SWITCHES AND CONTROL PANEL INCORPORATING POWER RUN 0N-OFF INDICATORS AUTO-OFF-MANUAL SWITCHES, TIME RUN METERS, AUDIBLE ALARM & MUTE SWITCH.
7. PIPE ABOVE FLOOR IN CUPBOARD.
8. SAW CUT SLAB TO INSTALL PIPING. RESTORE TO STRUCTURAL ENGINEER'S DETAIL.
9. DUAL RINNAI GAS HOT WATER UNITS AT HIGH LEVEL H2001 MODEL.
10. WASH DOWN HOSE COCK.
11. TERMINATE HWU FLUES THROUGH WALL PANEL WITH INLET/OUTLET FLUE CONE. INSTALL TO MANUFACTURER'S INSTRUCTION.
12. CONNECT TO EXISTING 40Ø CW SERVICE AND INSTALL RPZD AT LOW LEVEL WITH TUNDISH TO DRAIN TO OUTSIDE.
13. TERMINATE VENT 1 METRE HIGHER THAN HWU FLUE CONES.
14. DROPPER FROM F.W.'S ON MEZZANINE LEVEL OVER.
15. EXTEND 25Ø GAS RISER UP OUTSIDE WALL TO HEIGHT OF SERVICES CROSS OVER TO HWU'S.
16. 2 OFF LPG GAS TANKS.
17. PIPES SURFACE MOUNTED ON WALL.



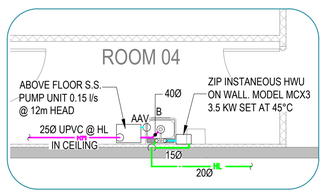
DETAIL 2: DRAINAGE AND WATER SERVICES

SCALE : 1:50



DETAIL 3: DRAINAGE AND WATER SERVICES

SCALE : 1:50



DETAIL 4: DRAINAGE AND WATER SERVICES

SCALE : 1:50

DWG IN COLOUR

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No.	DATE	REVISION DESCRIPTION	APPR
C	31.07.21	HWU CHANGE AND TEMPERING VALVE ADDED	MF
B	14.07.21	ALTERED NOTES AND DETAILS,PIPE MATERIAL SPECIFIED	MF
A	01.07.21	FOR TENDER	MF
P1	07.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

ARCH
HUNT ARCHITECTS
SUITE 8,100 BAY ROAD,
WAVERTON NSW 2060
TEL: (02) 9955 1466 FAX: .

CLIENT
ALLIED PINNACLE
LEVEL 4, BUILD G 1 HOME BAY DRIVE, RHODES NSW 2138
TEL: 13000 650 855 FAX: ???

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M · F · A HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
GROUND FLOOR PART 2

DRAWING STATUS
TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ 1:100
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	3 OF 6

CAD FILE PATH:
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PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H03	C

7/31/2021 12:56:01 PM

No.	DATE	REVISION DESCRIPTION	APPR
B	14.07.21	DELETED CW RPZD & PIPE MATERIAL SPECIFIED	MF
A	01.07.21	FOR TENDER	MF
P1	07.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

ARCH
HUNT ARCHITECTS
SUITE 8,100 BAY ROAD,
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TEL: (02) 9955 1466 FAX: .

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HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
MEZZANINE FLOOR PRESSURE AND DRAINAGE SERVICES

DRAWING STATUS			
TENDER ISSUE NOT TO BE USED FOR CONSTRUCTION			
DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ 1:100
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	4 OF 6

CAD FILE PATH:
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PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H04	B

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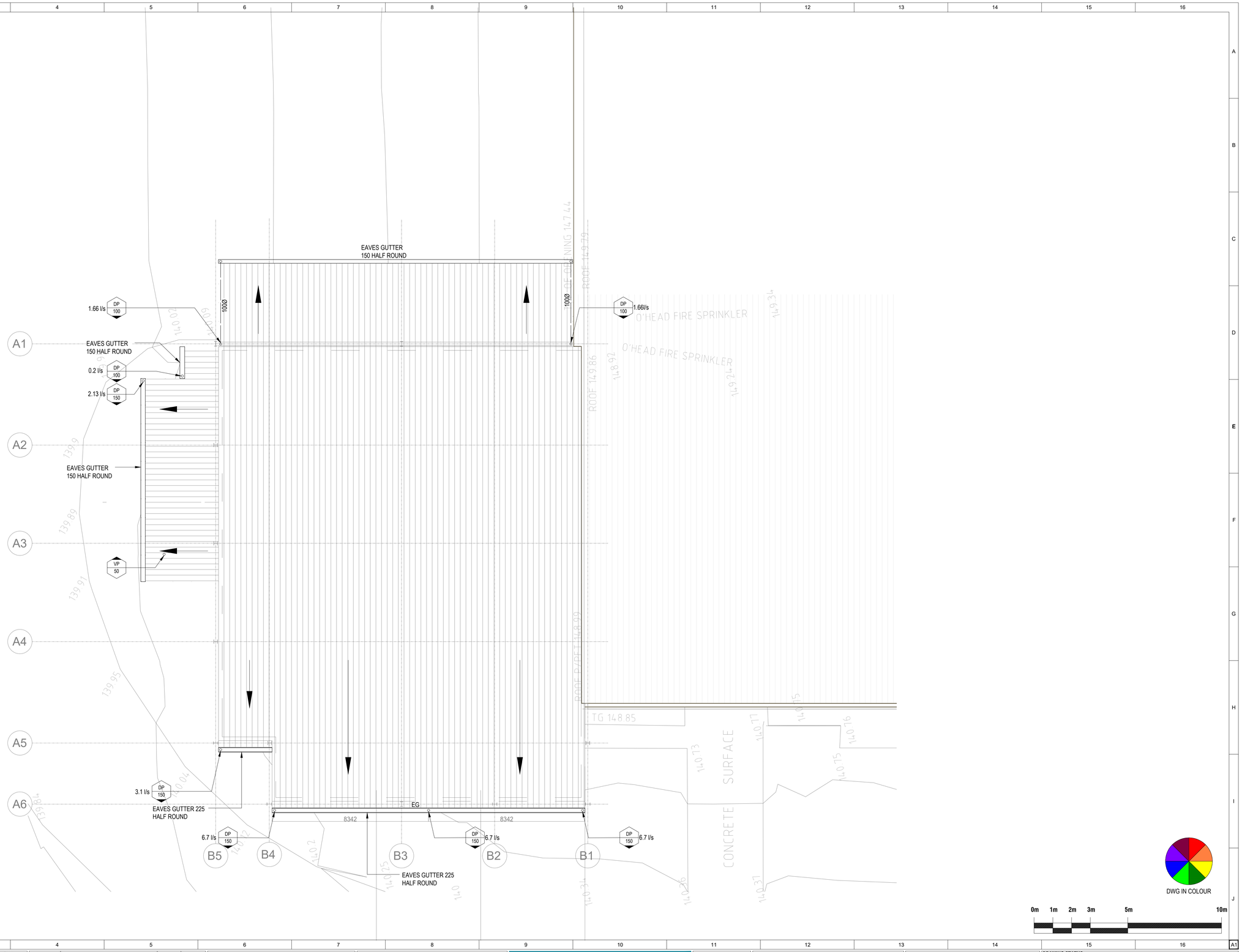

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No.	DATE	REVISION DESCRIPTION	APPR
B	14.07.21	ROOF DRAINAGE ALTERED	MF
A	01.07.21	FOR TENDER	MF
P1	02.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

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HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON
PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
ROOF
DRAINAGE SERVICES

DRAWING STATUS
TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@ 1:100
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	5 OF 6

CAD FILE PATH:
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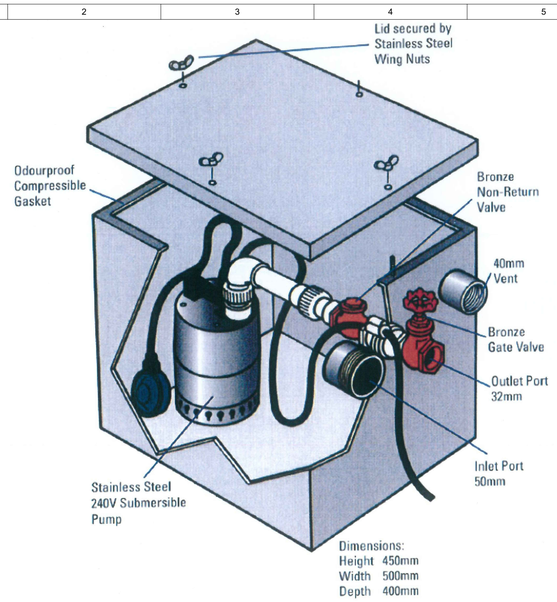
PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H05	B

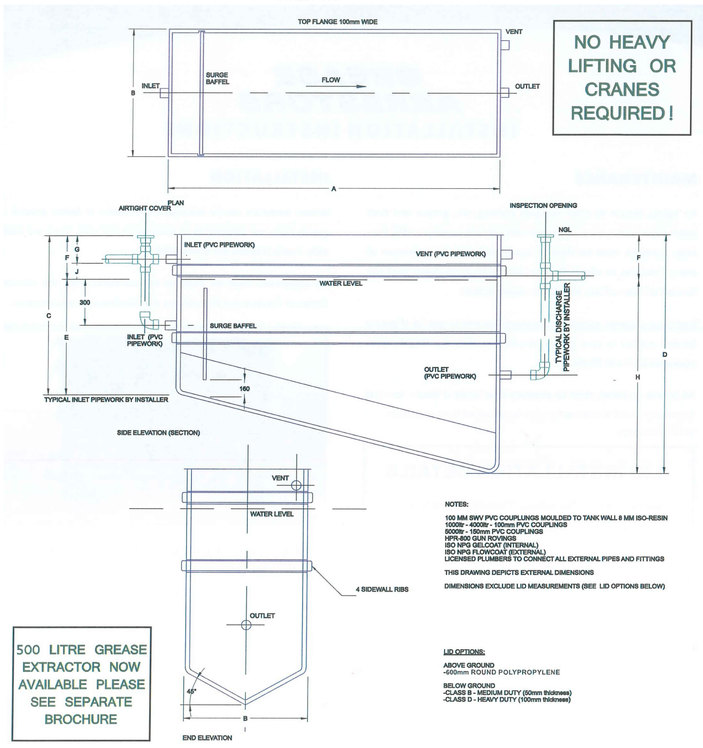
7/19/2021 1:42:27 PM



DETAIL 7: BASIN PUMP UNIT

SCALE : NTS

NO HEAVY LIFTING OR CRANES REQUIRED !



NOTES:

100 MM SWV PVC COUPLINGS MOULDED TO TANK WALL 8 MM ISO-RESIN
1000lr - 4000lr - 100mm PVC COUPLINGS
6000lr - 150mm PVC COUPLINGS
HPR-800 GUN ROVINGS
ISO NPG GELCOAT (INTERNAL)
ISO NPG FLOWCOAT (EXTERNAL)
LICENSED PLUMBERS TO CONNECT ALL EXTERNAL PIPES AND FITTINGS

THIS DRAWING DEPICTS EXTERNAL DIMENSIONS

DIMENSIONS EXCLUDE LID MEASUREMENTS (SEE LID OPTIONS BELOW)

LID OPTIONS:

ABOVE GROUND
-600mm ROUND POLYPROPYLENE

BELOW GROUND
-CLASS B - MEDIUM DUTY (50mm thickness)
-CLASS D - HEAVY DUTY (100mm thickness)

500 LITRE GREASE EXTRACTOR NOW AVAILABLE PLEASE SEE SEPARATE BROCHURE

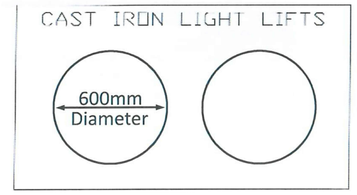
Capacity	Model	Weight Kg	A	B	C	D	E	F	G	H	J
3000L	AGL3000	210	2780	1360	1770	1990	1240	530	300	1460	230

DETAIL 8: GREASE ARRESTOR

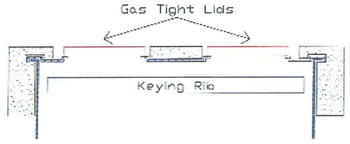
SCALE : 1:20

LID INSTALLATION DETAILS

Above View – Fibreglass Formwork and Lids



Side View – Showing Placement of Lids on Formwork

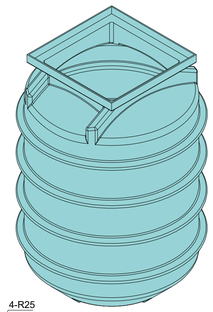


Grease Arrestor
Concrete Backfill
Fibreglass Lid Formwork

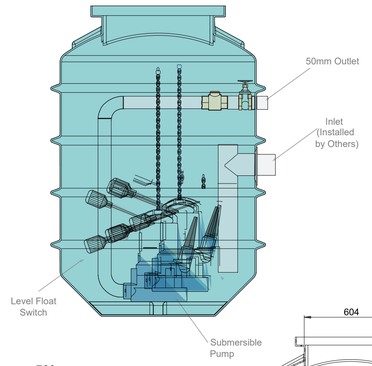
GREASE ARRESTOR WITH CLASS "D" - HEAVY DUTY LID INSTALLATION

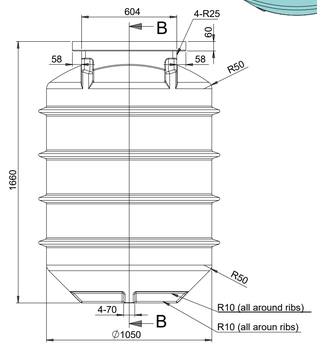
Once pipe work levels are obtained the tank can be lowered into place and connected. The tank MUST be filling with water while backfilling – equal amounts of water to backfill. Backfill must be a dry mix of sand and cement up to at least 750 mm from the bottom of the tank. The rest MUST be a 32 MPA concrete mix

ISOMETRIC VIEW

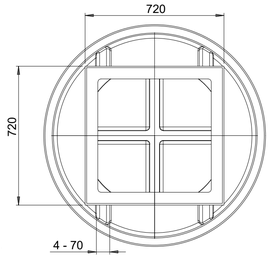


INTERNAL VIEW

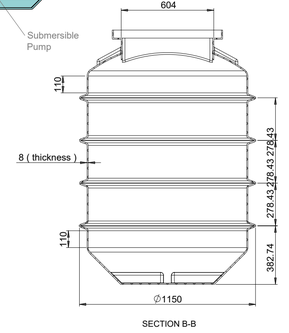




LEFT END VIEW



PLAN VIEW



SECTION B-B

RIGHT END VIEW

DETAIL 6: 1200L PUMPSTATION

SCALE : 1:20

DWG IN COLOUR

ATTENTION:
THIS DRAWING IS DIAGRAMMATIC ONLY AND HAS BEEN PREPARED FOR THE PURPOSE OF INDICATING THE DESIGN INTENT AND SCOPE OF WORKS OF THE HYDRAULIC AND FIRE PROTECTION SERVICES INSTALLATION AND SHOULD NOT BE INTERPRETED AS BEING DEFINITIVE.
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR PLUMBING SUBCONTRACTOR TO INVESTIGATE AND COORDINATE BEFORE AND DURING THE CONSTRUCTION PHASE ALL EXISTING SERVICES AND STRUCTURE WHICH WILL AFFECT THE INSTALLATION OF THESE SERVICES.
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HYDRAULIC AND FIRE SERVICES SPECIFICATION. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT CODES AND STANDARDS.
POSITION AND LEVELS OF AUTHORITIES MAINS AND/OR EXISTING SERVICES ARE INDICATIVE ONLY AND ARE TO BE CHECKED PRIOR TO COMMENCING ANY WORK. DO NOT SCALE FROM THIS DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSION SETOUT. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. THIS DOCUMENT HAS BEEN PRODUCED IN COLOUR.

No.	DATE	REVISION DESCRIPTION	APPR
B	17.07.21	3000L PUMPSTATION ALTERED TO 1200L	MF
B	14.07.21	250L PUMP STATION DELETED	MF
A	01.07.21	FOR TENDER	MF
P1	21.06.21	PRELIMINARY	MF

AMENDMENTS

DISCIPLINE	DRAWING NUMBER	REV	DATE
SURVEY	-	-	-
STRUCT	-	-	-
P-TENSION	-	-	-
RCP	-	-	-
MECH	-	-	-
LANDS	-	-	-
FIRE	-	-	-
ELECT	-	-	-
CIVIL	-	-	-
ARCH	-	-	-
ARCH	-	-	-

CO-ORDINATED REFERENCE DRAWINGS

ARCH
HUNT ARCHITECTS
SUITE 8,100 BAY ROAD,
WAVERTON NSW 2060
TEL: (02) 9955 1466 FAX: .

CLIENT
ALLIED PINNACLE
LEVEL 4, BUILD G 1 HOME BAY DRIVE, RHODES NSW 2138
TEL: 13000 650 855 FAX: ???

MICHAEL FROST & ASSOCIATES PTY LTD
ABN: 58 003 297 578
M: 0415 279 050
email:michael@michaelfrost.com.au
www.michaelfrost.com.au
M • F • A HYDRAULIC, CIVIL & FIRE PROTECTION CONSULTANTS

PROJECT NAME
ALLIED MILL PICTON PHASE 1
330 PICTON ROAD, WILTON NSW 2571

DRAWING TITLE
HYDRAULIC & FIRE PROTECTION SERVICES
DETAILS

DRAWING STATUS
TENDER ISSUE
NOT TO BE USED FOR CONSTRUCTION

DRAWN BY	CHECKED BY	APPROVED BY	SCALE
CM	MF	MF	A1@AS SHOWN
DRAWN DATE	CHECKED DATE	APPROVAL DATE	No. in SET
JUNE 2021	-	-	6 OF 6

CAD FILE PATH:
E:\MFA\21230 ALLIED PINNACLE\HYDRAULICS\H06 - DETAILS.DWG

PROJECT No.	DRAWING No.	CURRENT ISSUE
21230	H06	C

7/17/2021 11:29:49 AM

NOTE: NO SILICONE SEALANTS TO BE BROUGHT TO SITE

NO	DATE	AMENDMENT	CHECKED
A	27-04-2021	FOR CLIENT REVIEW	MC
B	07-05-2021	FOR CLIENT REVIEW	MC
C	10-05-2021	ISSUE FOR CONSULTANT	MC
D	14-05-2021	FOR CLIENT REVIEW	MC
E	18-05-2021	ISSUE FOR CONSULTANT	MC
F	27-05-2021	FOR CLIENT REVIEW	MC
G	03-06-2021	ISSUE FOR CONSULTANT	MC
H	10-06-2021	FOR CLIENT REVIEW	MC
I	13-07-2021	ISSUED FOR REVIEW	MC
J	09-09-2021	REVISION AS CLOUDED	MC
K	15-09-2021	REVISION AS CLOUDED	MC

1 DP 1128013

01 NEW CARPARK BAYS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

BITUMEN CARPARK

EXISTING CAR PARK SHOWN IN GREY BACKGROUND EMPLOYEE PARKING

04 NEW CARPARK BAYS

34 33 32 31 30 29 28 27 26 25 24 23

2 EXISTING CAR BAYS REMOVED FOR DRIVEWAY

22 21 20 19

ADD NEW SPEED BUMP

EXISTING BOLLARD

RELOCATE EXISTING SIGNAGE TO OPPOSITE SIDE OF DRIVE WAY

EXISTING SPEED BUMP

RELOCATE EXISTING SIGNAGE TO OPPOSITE SIDE OF DRIVE WAY

K NOTES ADDED AND CAR PARK BAYS UPDATED

10 NEW CARPARK BAYS

CONCRETE DRIVEWAY

PEDESTRIAN WALKWAY

ROOF PPET 15107

ROOF PPET 15108

EXISTING TRUCK DRIVEWAY

EXISTING BUILDING

BOTTOM OF BANK

TOP OF BANK

CONCRETE DRIVEWAY

CHAIN WIRE FENCE

BITUMEN DRIVEWAY

A1
A2
A3
A4
A5
A6

EXISTING DRIVEWAY

WAREHOUSE

B5 B4 B3 B2 B1

OVERHEAD FIRE SPRINKLER

HEAD FIRE SPRINKLER

CONCRETE SURFACE

GAS TANKS

CONCRETE PATH

STEEL STAIRS

STAIRS

TG 148.85

TG 148.84

RAIL CONTAINER

AREA TO BE LEVELED & COMPACTED

SITE OFFICE

LUNCH ROOM

AREA TO BE LEVELED & COMPACTED

PARTS CONTAINER

PARTS CONTAINER

PARTS CONTAINER

PARTS CONTAINER

9000

30000

4000

3000

CONCRETE

LPC FILLING STATION

PRIVATE RAIL LINE

1 SITE PLAN
1 : 200

PRELIMINARY
NOT FOR CONSTRUCTION

HUNT ARCHITECTS
Suite 8, 100 Bay Road, Waverton NSW 2060
t: (02) 9955 1466
e: office@huntarchitects.com.au

Nominated Architect:
Michael Cook NSW Reg. No. 7397

PROJECT:
ALLIED PINNACLE PICTON

PHASE 1

SITE PLAN

DRAWN	ZI	DESIGNED	MC
APPROVED		REDUCTION	0 25
CHECKED	MC		
SCALE @ A1	1 : 200	DATE	15-09-2021
PHA Project No.	2113	PHA DRAWING No.	AR-A-0100
CLIENT DRAWING No.			REV. K

REV. K

THIS IS A CAD DRAWING - DO NOT AMEND MANUALLY

PLOT DATE: 15/09/2021 12:42:21 PM
FILE PATH: C:\Users\zaki\Documents\2113-AR-Allied Mills Picton-R20_Zaki.irfan.rvt

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