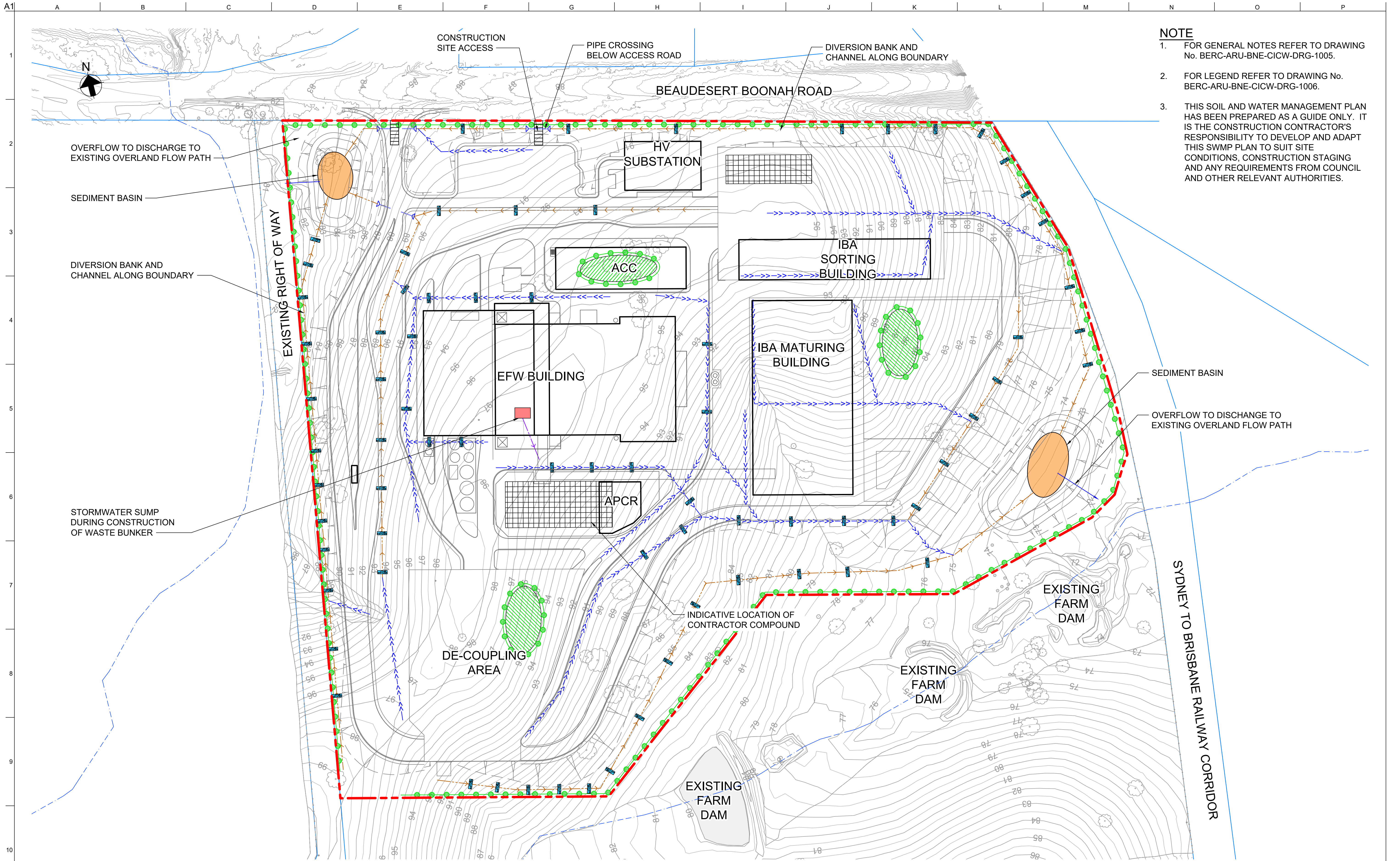
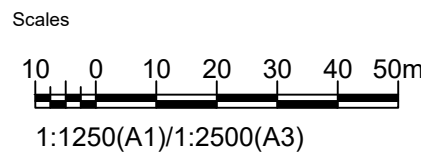




- NOTE**
1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 3. THIS SOIL AND WATER MANAGEMENT PLAN HAS BEEN PREPARED AS A GUIDE ONLY. IT IS THE CONSTRUCTION CONTRACTOR'S RESPONSIBILITY TO DEVELOP AND ADAPT THIS SWMP PLAN TO SUIT SITE CONDITIONS, CONSTRUCTION STAGING AND ANY REQUIREMENTS FROM COUNCIL AND OTHER RELEVANT AUTHORITIES.



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
Making a sustainable future possible

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:1250m

Discipline **CIVIL**

ARUP

Arup, Level 5, 151 Clarence St
Sydney, NSW, 2000
Tel +61 (02) 9320 9320 Fax +61 (02) 9320 9321
www.arup.com

CONSULT AUSTRALIA
Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

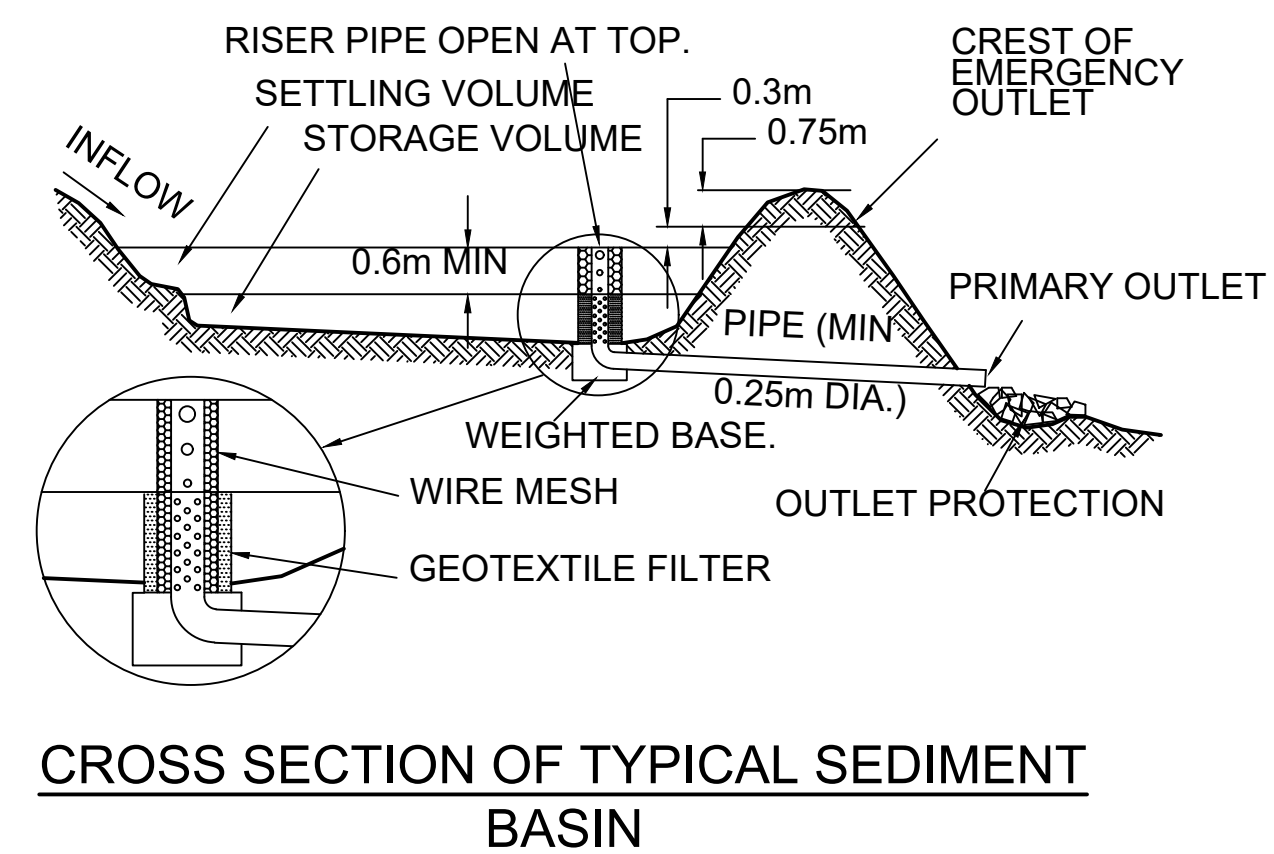
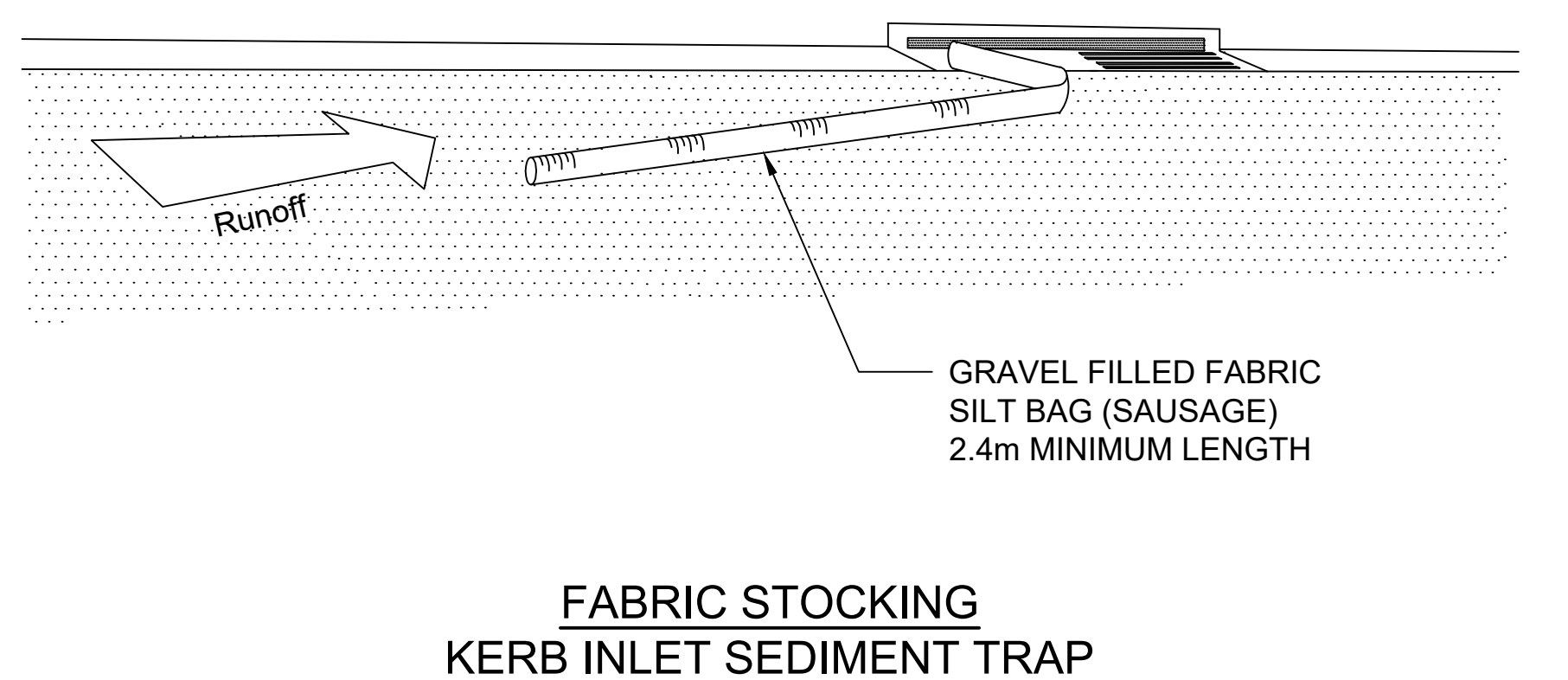
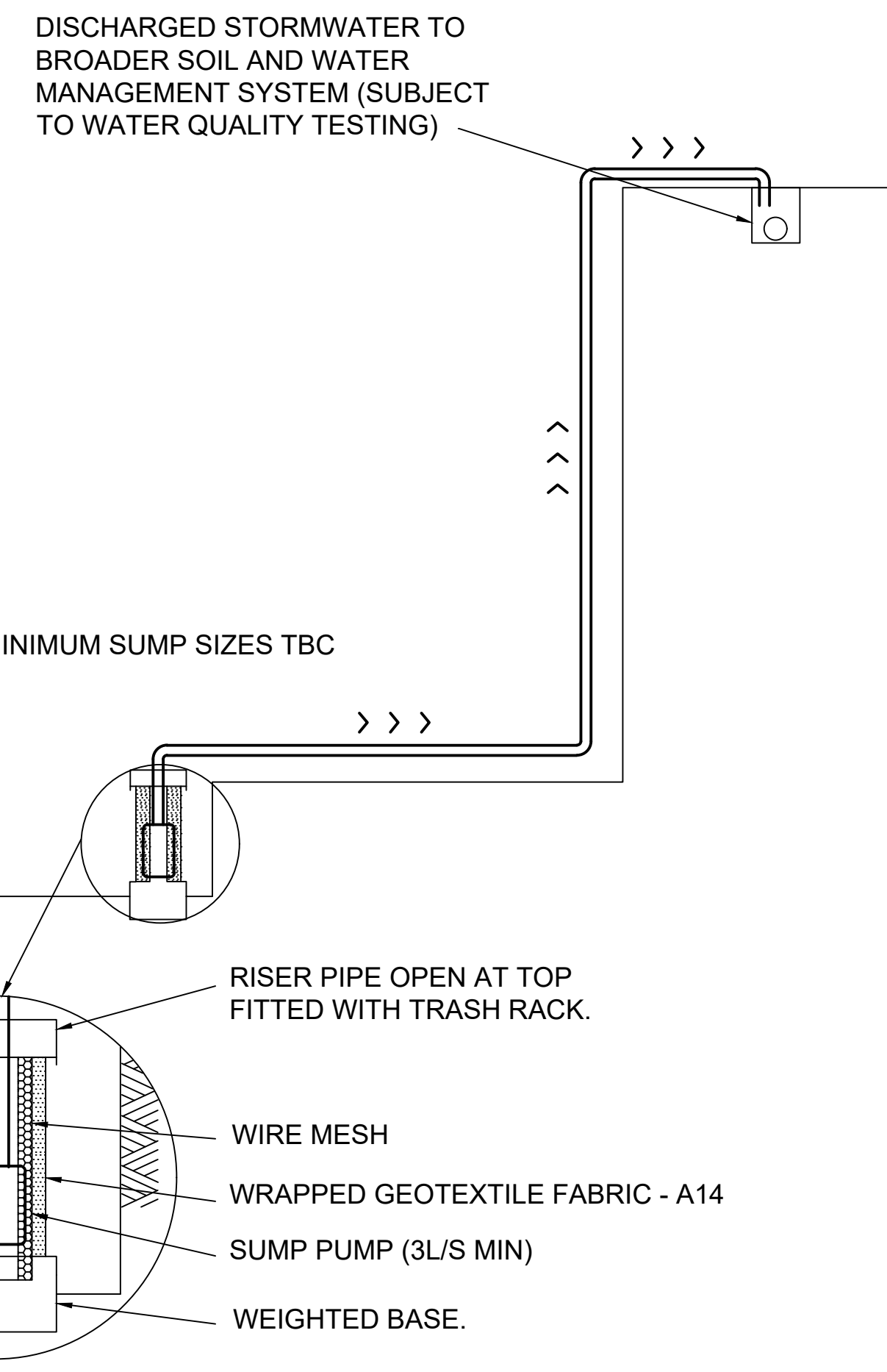
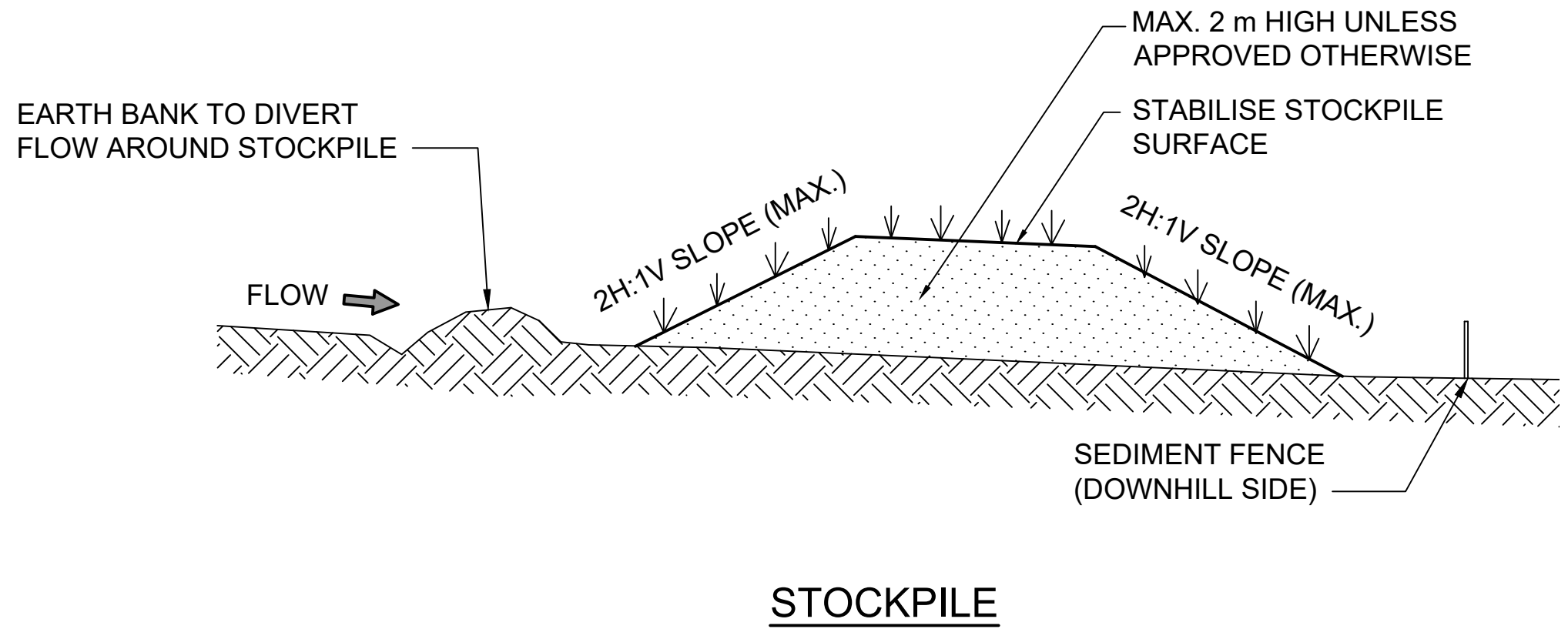
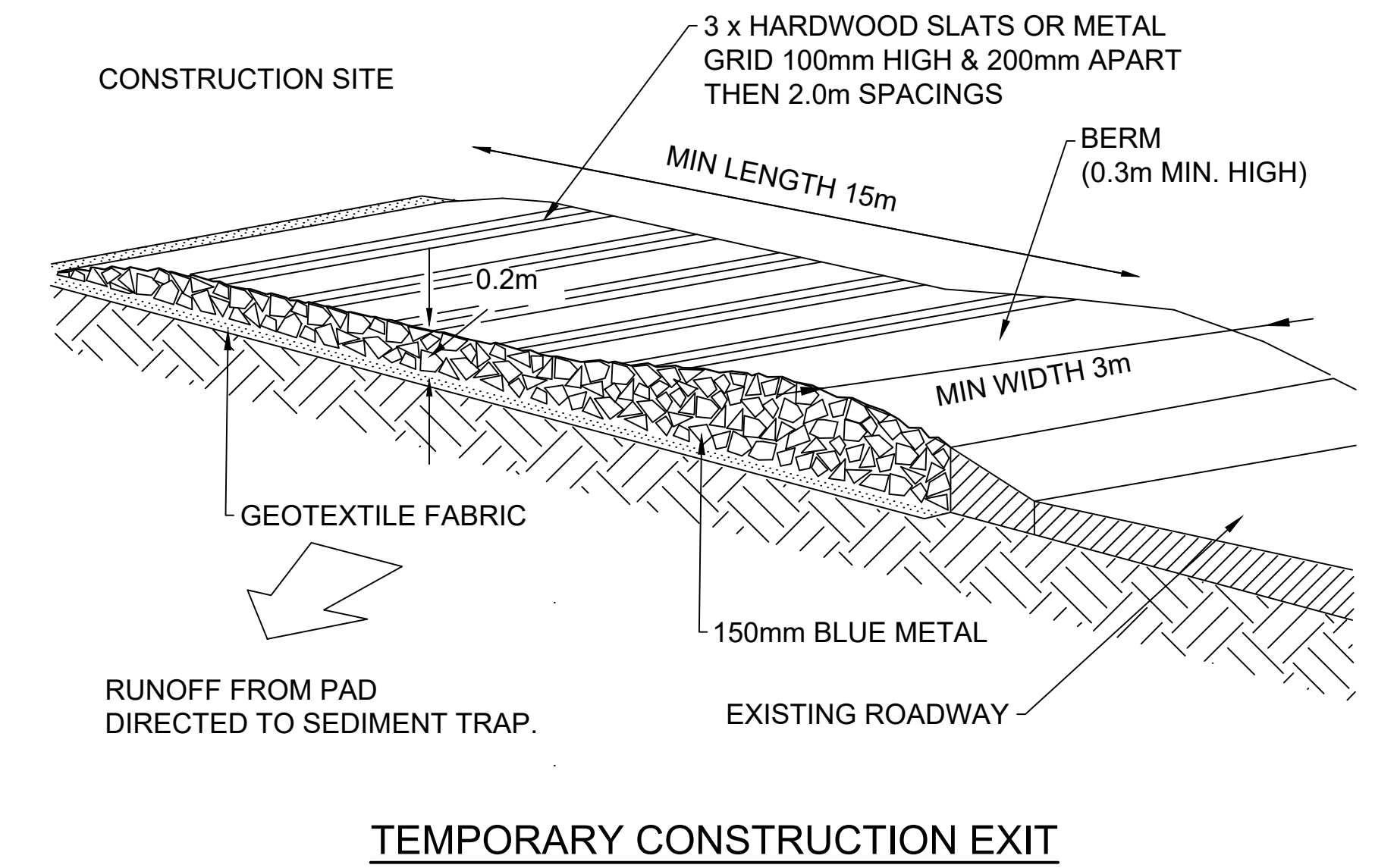
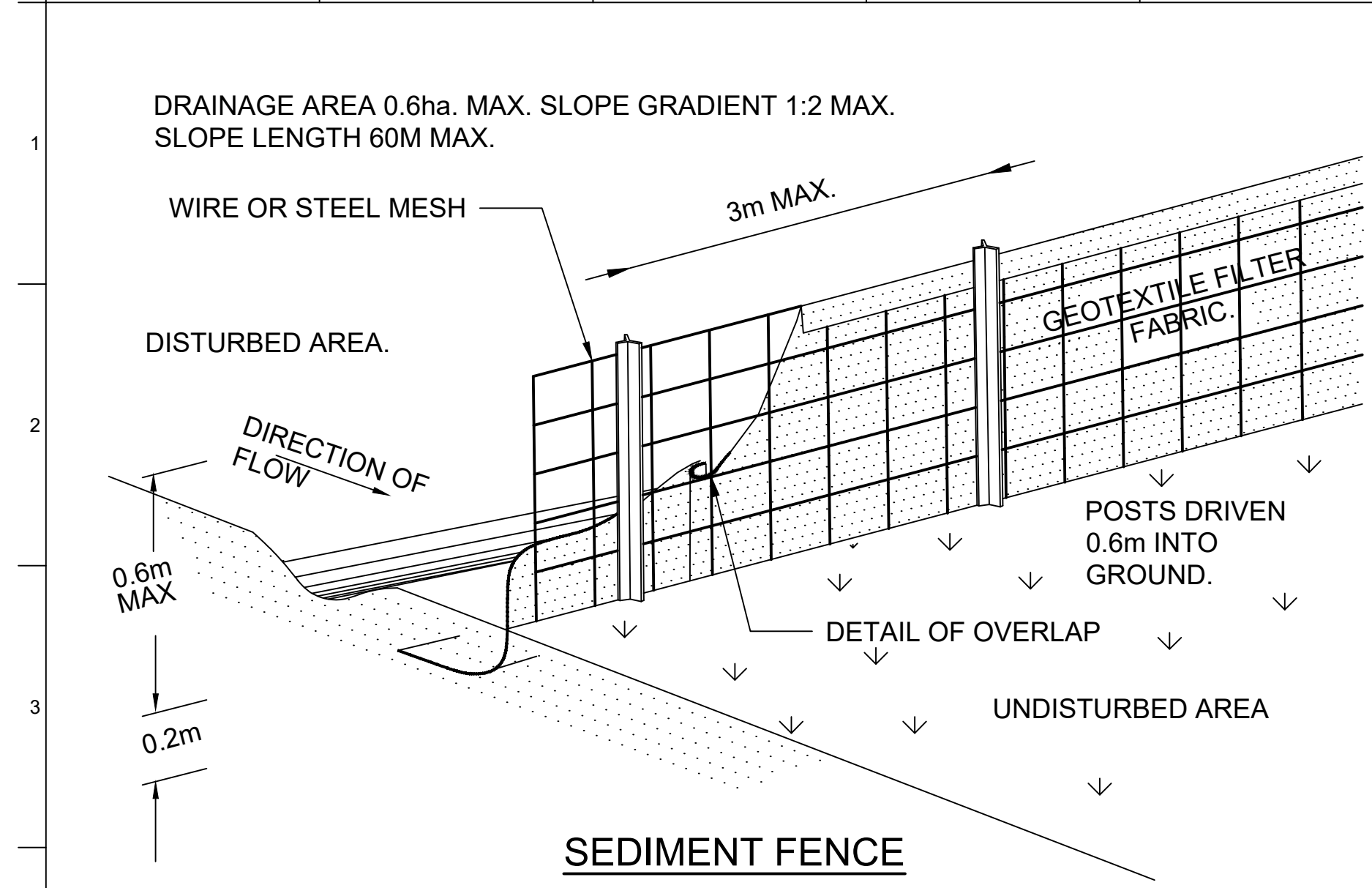
SOIL AND WATER MANAGEMENT PLAN

Drawing Status

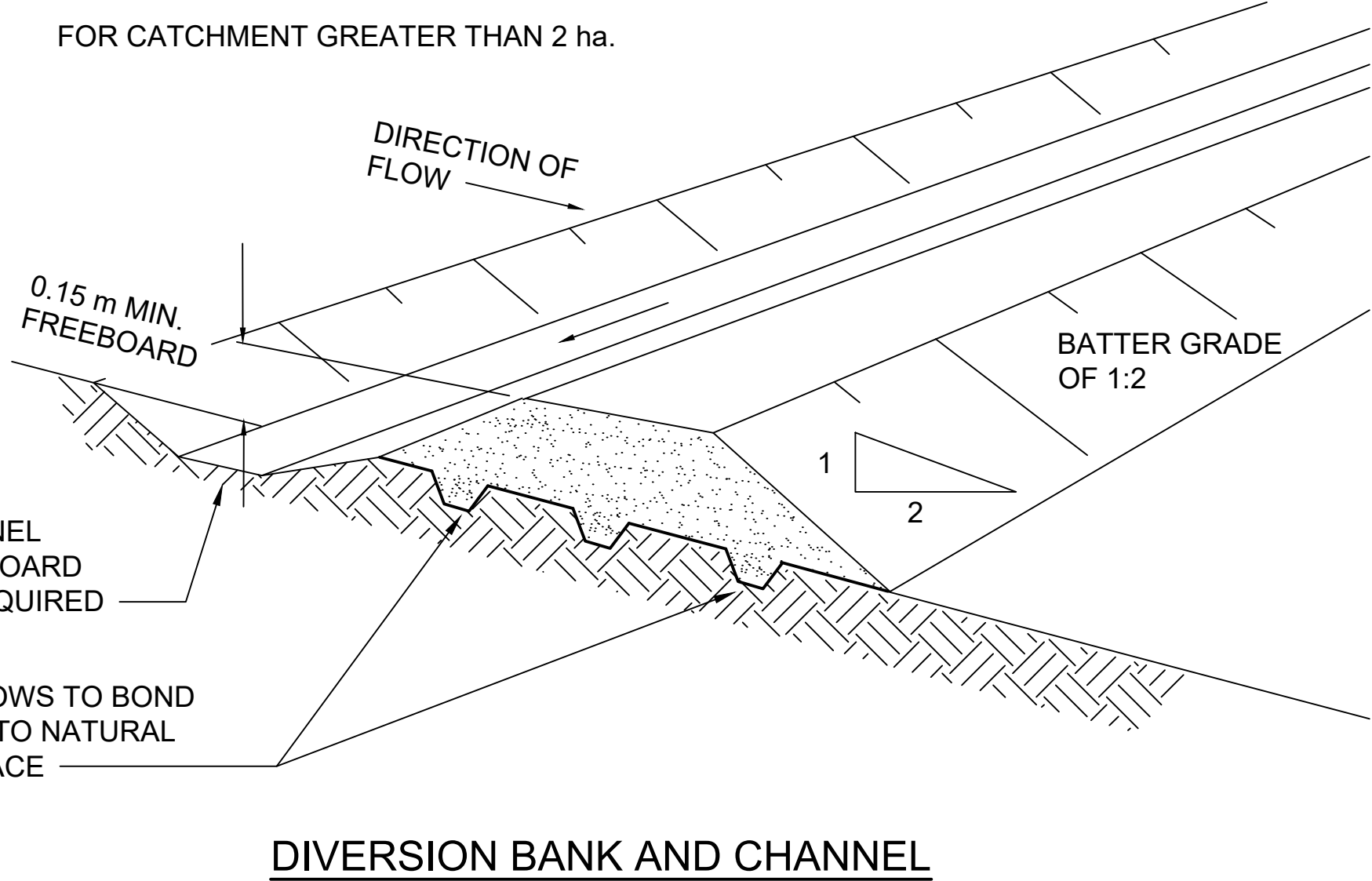
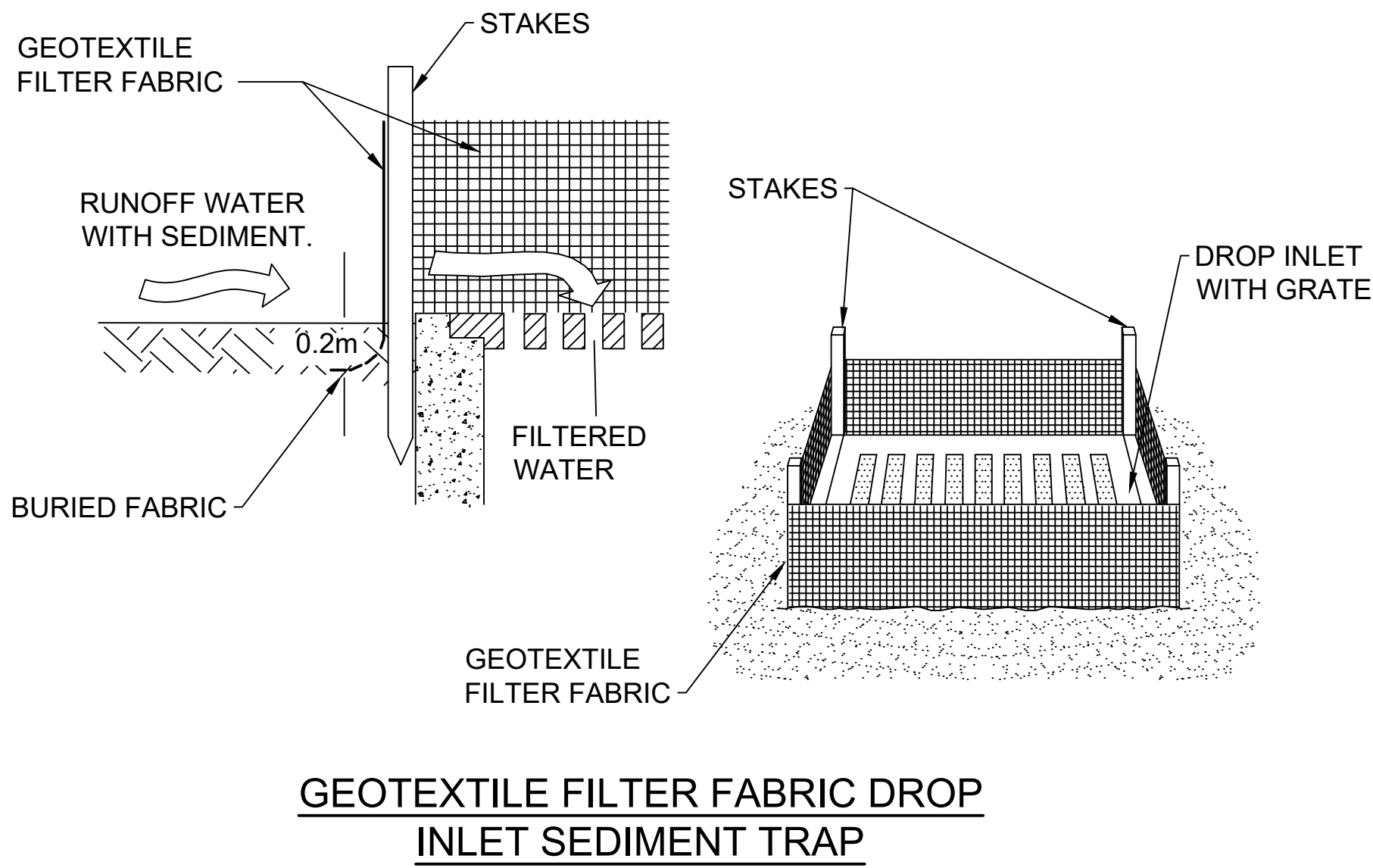
FOR APPROVAL

Job No **293683-00** Drawing No **BERC-ARU-BNE-CICW-DRG-1101** Issue **C**

NOT FOR CONSTRUCTION



STORMWATER SUMP AND OUTLET



NOT FOR CONSTRUCTION

Scales

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

Making a sustainable future possible

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1: **NOT TO SCALE**

Discipline: **CIVIL**

ARUP

Arup, Level 5, 151 Clarence St
Sydney, NSW, 2000
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ABN 18 000 966 165

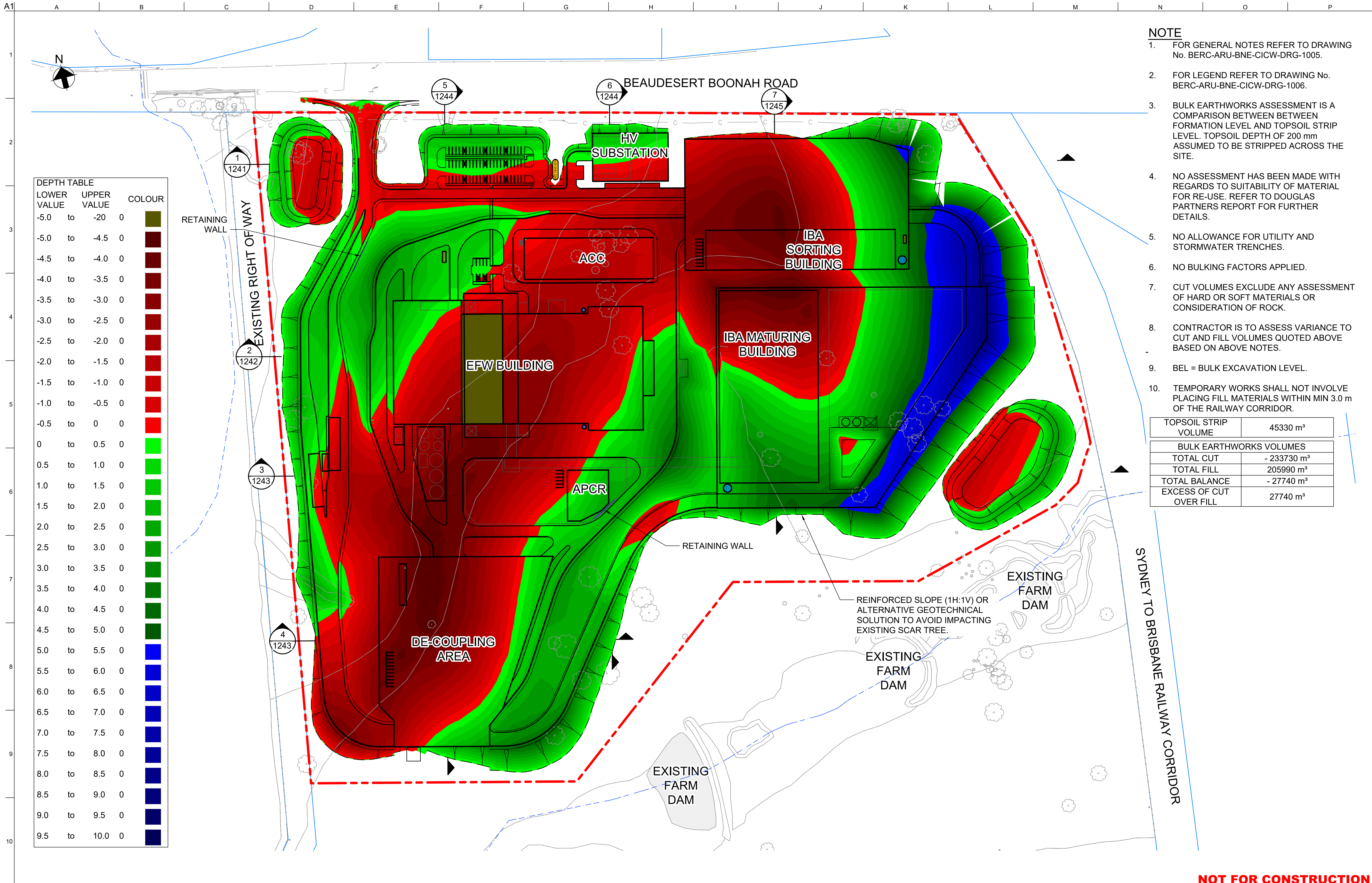
Drawing Title

EROSION AND SEDIMENT CONTROL DETAILS

Drawing Status

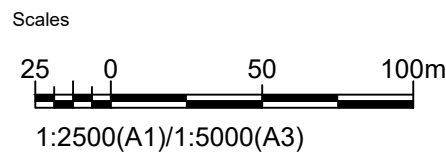
FOR APPROVAL

Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1191	C



TOPSOIL STRIP VOLUME	45330 m³
BULK EARTHWORKS VOLUMES	
TOTAL CUT	- 233730 m³
TOTAL FILL	205990 m³
TOTAL BALANCE	- 27740 m³
EXCESS OF CUT OVER FILL	27740 m³

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

D	27.07.26	PDA	PDA	EGM
ISSUE FOR APPROVAL				
Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client


Holding is sustainable future possible

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

1:2500m

Discipline

CIVIL

ARUP

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Sydney, NSW, 2000
Tel +61 (02) 9320 9320 Fax +61 (02) 9320 9321
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Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

BULK EARTHWORKS PLAN

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1201

Issue

D

1

2

3

4

5

6

7

8

9

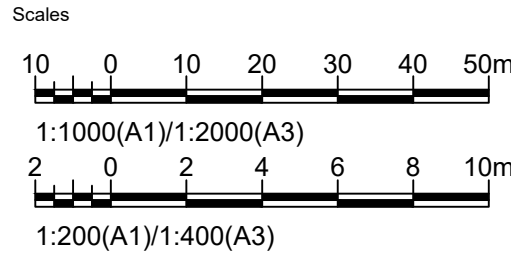
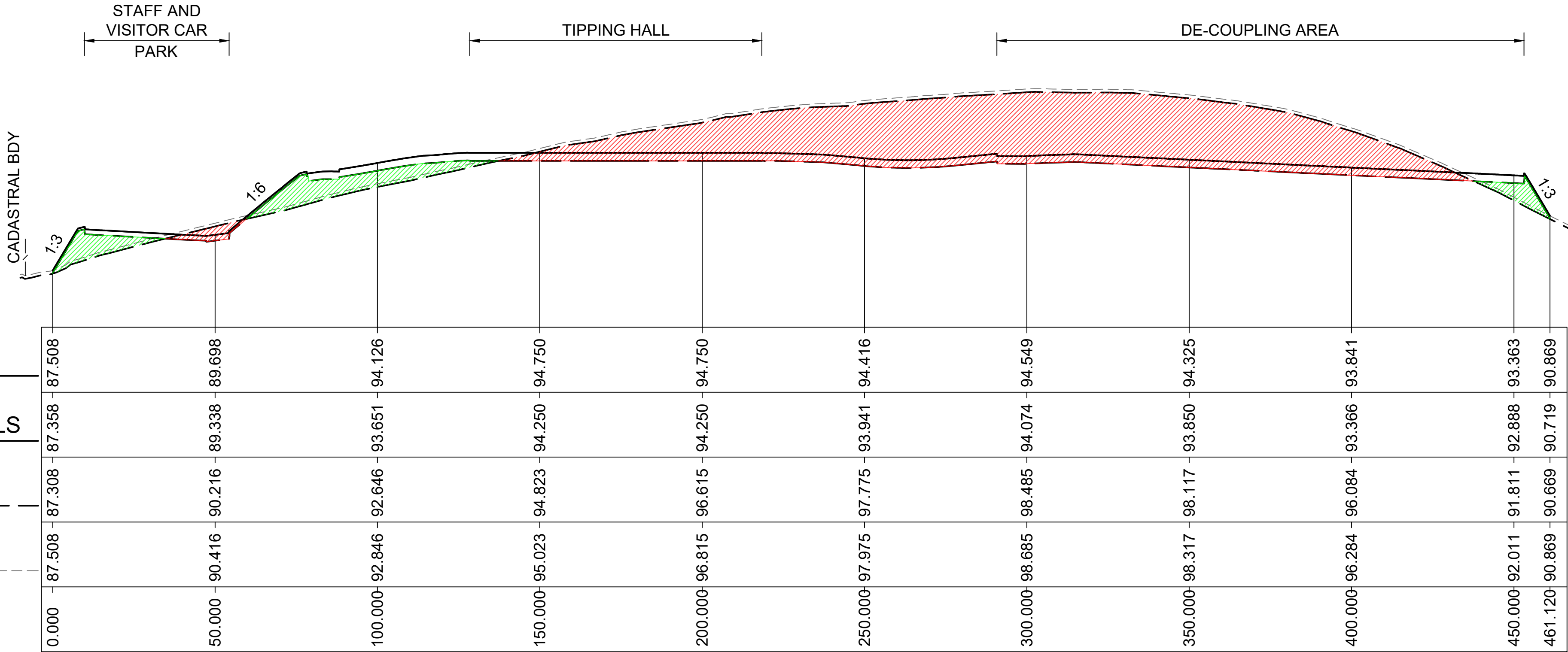
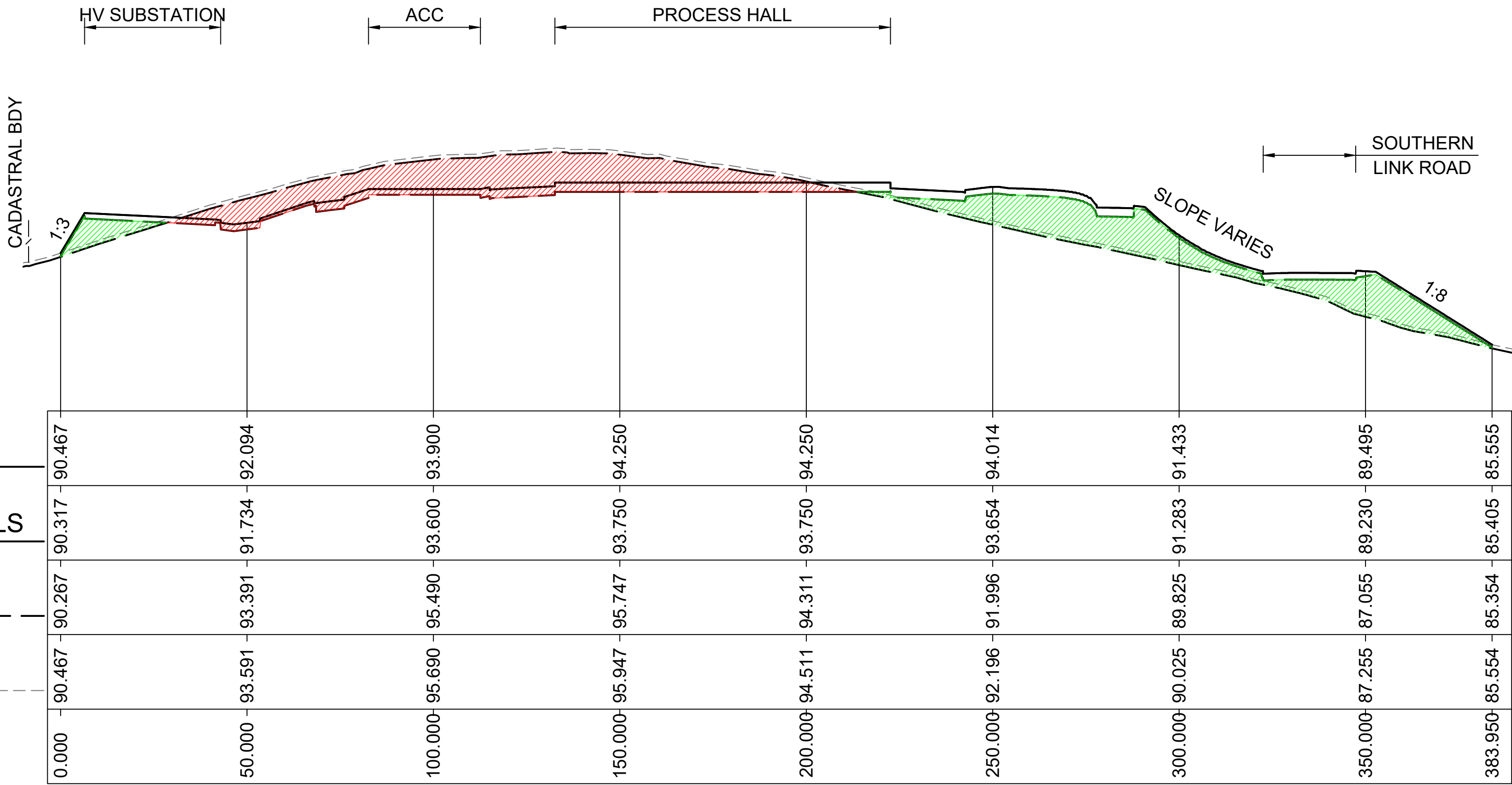
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NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

LEGEND:

- CUT
- FILL



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline CIVIL

ARUP

Arup, Level 5, 151 Clarence St
Sydney, NSW, 2000
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CONSULT AUSTRALIA

Member Firm

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ABN 18 000 966 165

Drawing Title

BULK EARTHWORKS
SITE SECTIONS
SHEET 4

Drawing Status

FOR APPROVAL

Job No 293683-00

Drawing No BERC-ARU-BNE-CICW-DRG-1244

Issue C

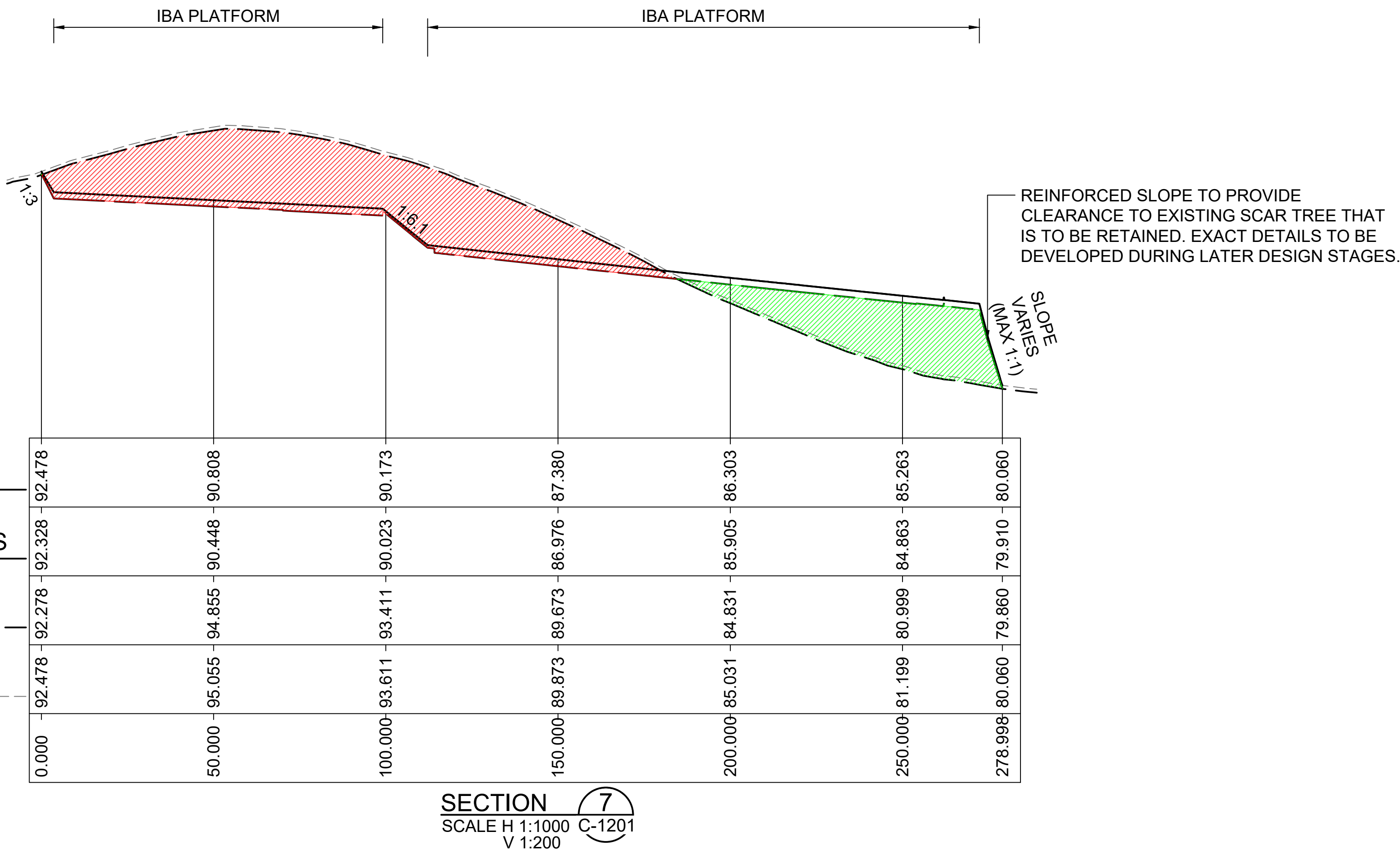
NOT FOR CONSTRUCTION

NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

LEGEND:

- CUT
- FILL



NOT FOR CONSTRUCTION

Scales

Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

B	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
A	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
Issue	Date	By	Chkd	Appd

Client



Engineering Certification (CEng)

Name:

Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

AS SHOWN

Discipline

CIVIL

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Drawing Title

BULK EARTHWORKS
SITE SECTIONS
SHEET 5

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

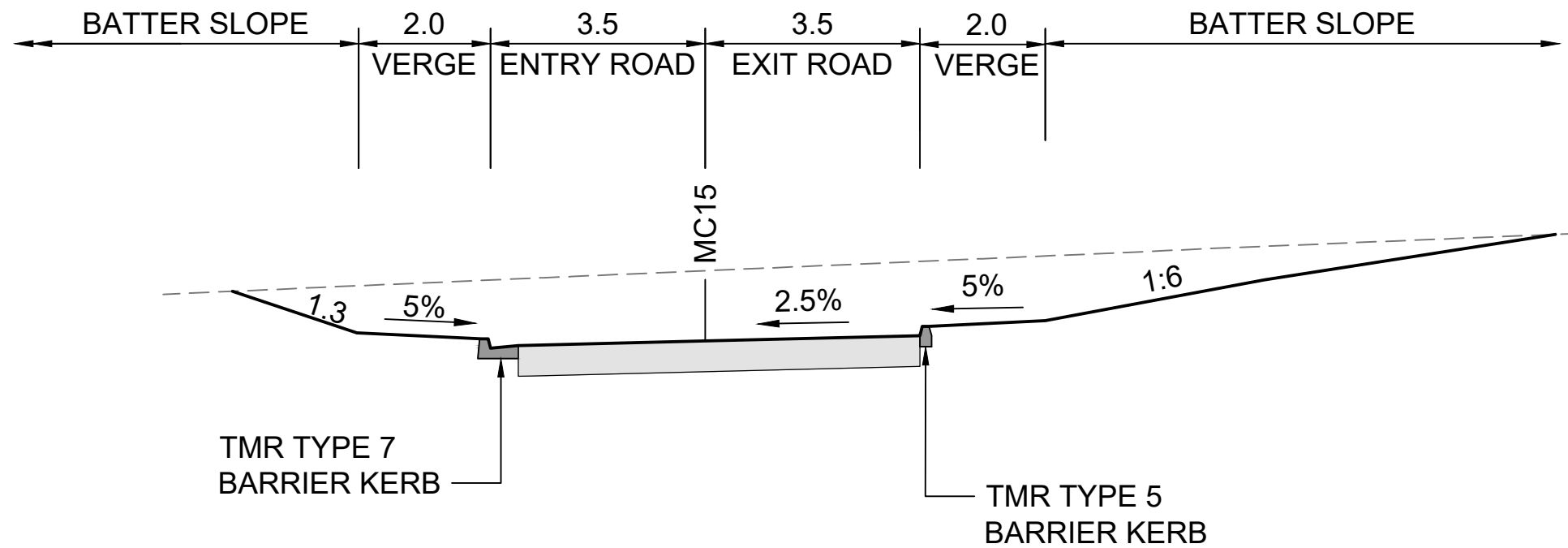
BERC-ARU-BNE-CICW-DRG-1245

Issue

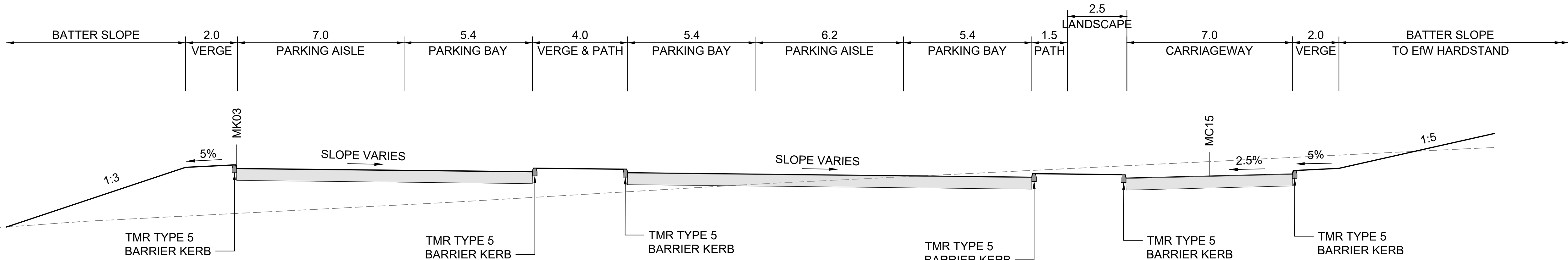
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NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

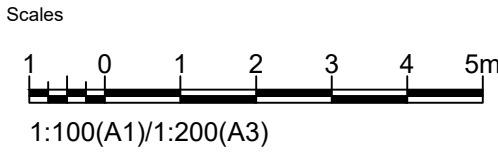


SECTION 2
SCALE 1:100
1021
CAR PARK AND IBA
ACCESS ROAD



SECTION 1
SCALE 1:100
1021
STAFF AND
VISITOR CAR PARK

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
Making a sustainable future possible

Engineering Certification (CEng)

Name: Date:

Signature:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

1:100m

Discipline

CIVIL

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www.arup.com

CONSULT AUSTRALIA
Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

**CIVIL WORKS
TYPICAL CROSS SECTIONS
SHEET 1**

Drawing Status

FOR APPROVAL

Job No

293683-00

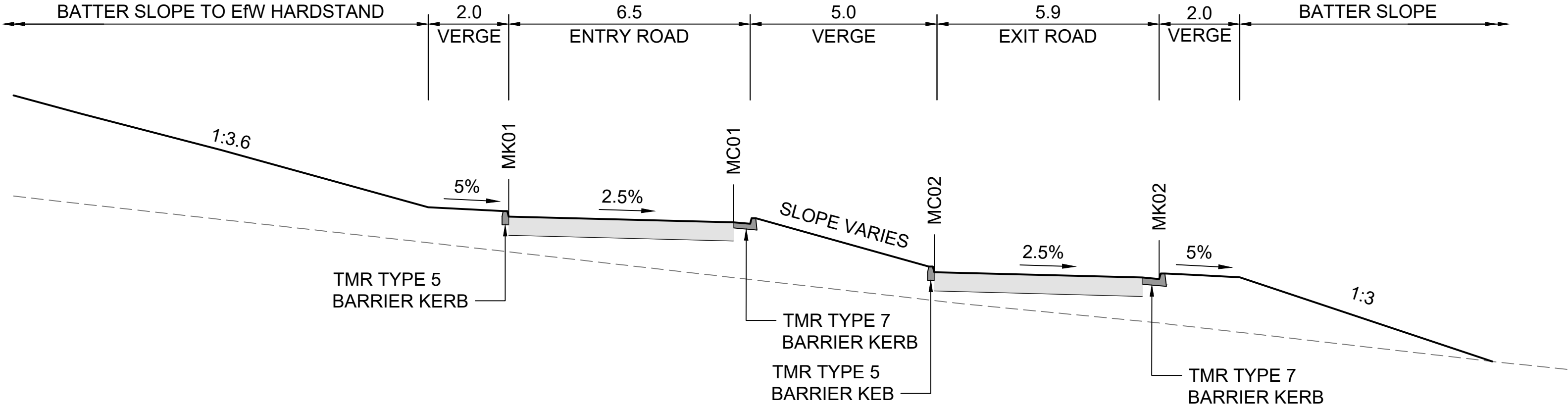
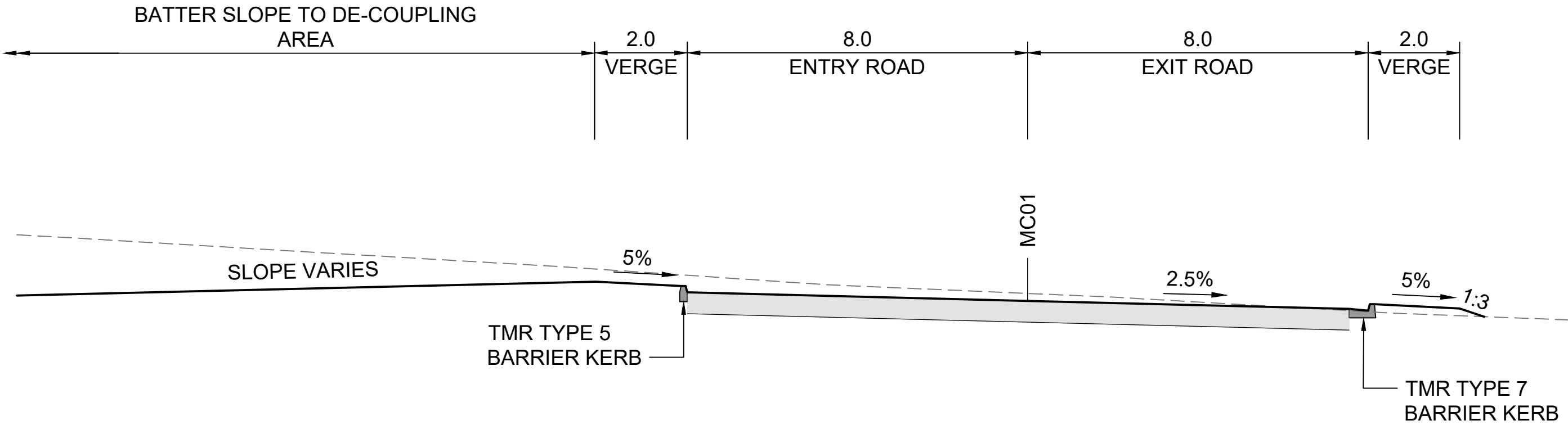
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BERC-ARU-BNE-CICW-DRG-1341

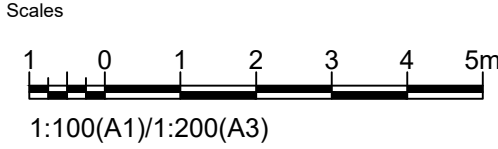
Issue

C

- NOTE**
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.



NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

Making a sustainable future possible

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

1:100m

Discipline

CIVIL

ARUP

Arup, Level 5, 151 Clarence St
Sydney, NSW, 2000
Tel +61 (02) 9320 9320 Fax +61 (02) 9320 9321
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CONSULT AUSTRALIA

Member Firm

Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

**CIVIL WORKS
TYPICAL CROSS SECTIONS
SHEET 2**

Drawing Status

FOR APPROVAL

Job No

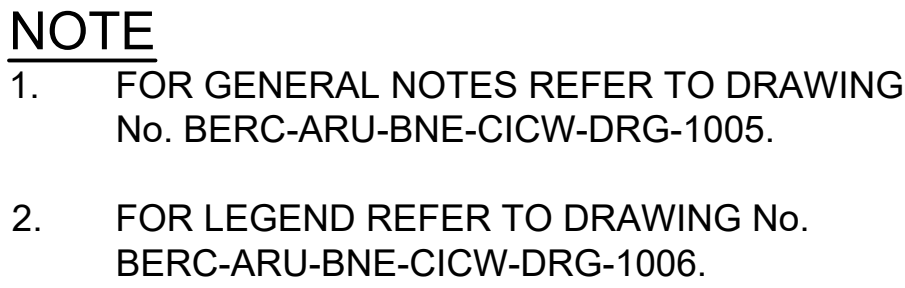
293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1342

Issue

C



- NOTE
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 80.0

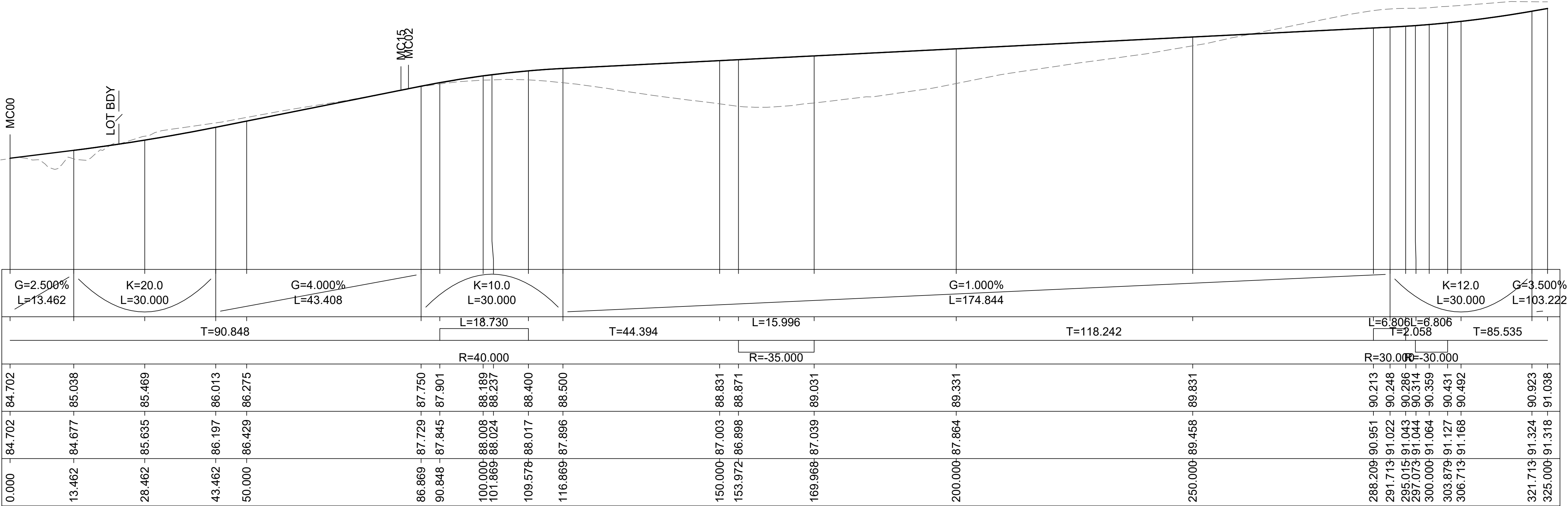
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

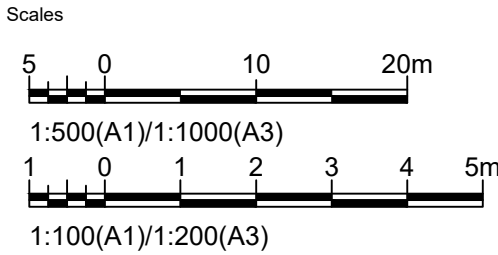


LONGITUDINAL SECTION OF MC01 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
Making a sustainable future possible

Engineering Certification (CEng)

Name: Date:

Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline

CIVIL

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Member Firm
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ABN 18 000 966 165

Drawing Title

**CIVIL WORKS
MC01 LONGITUDINAL SECTIONS
SHEET 1**

Drawing Status

FOR APPROVAL

Job No
293683-00

Drawing No
BERC-ARU-BNE-CICW-DRG-1351

Issue
C

- NOTE
1.

FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2.

FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 86.0

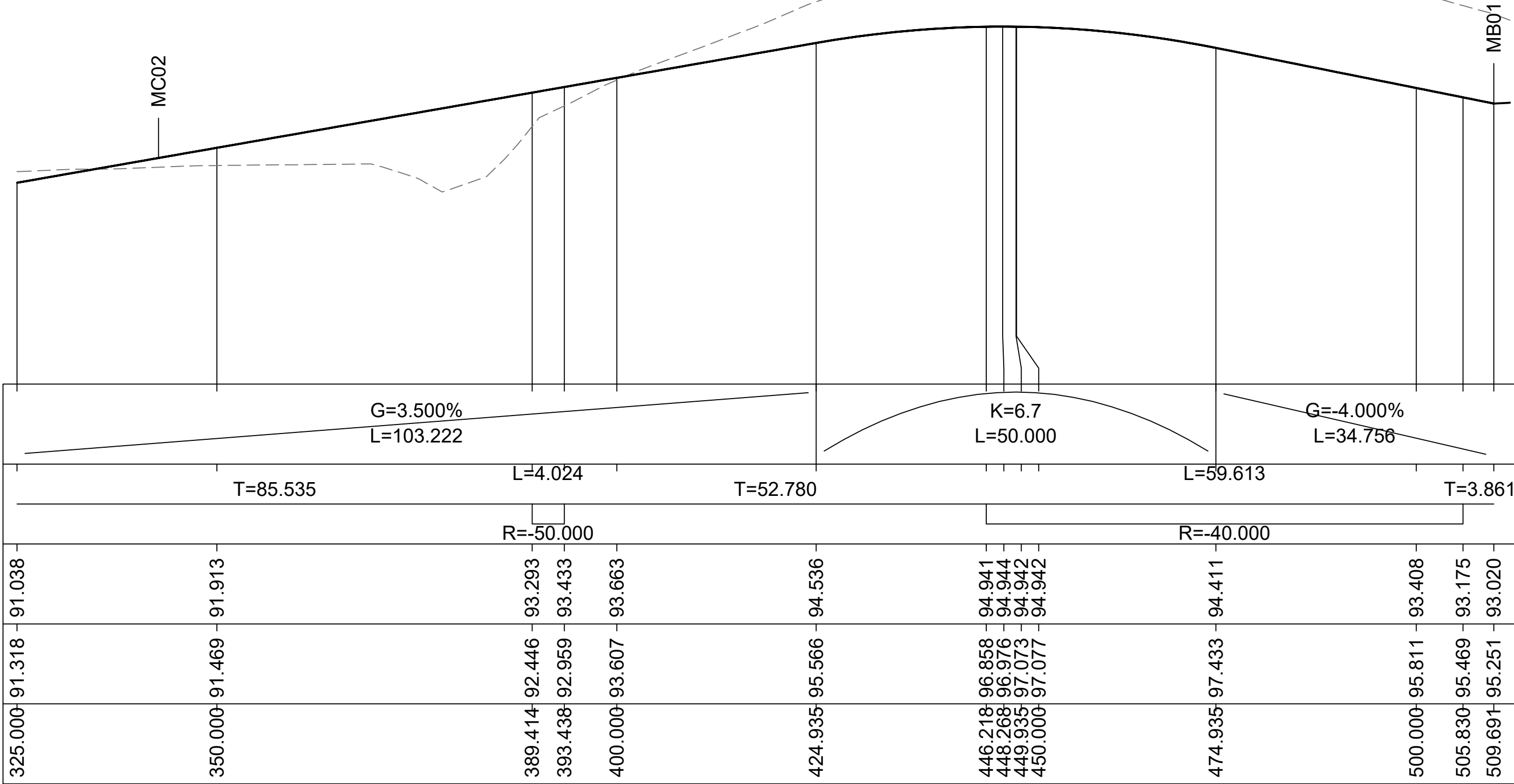
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

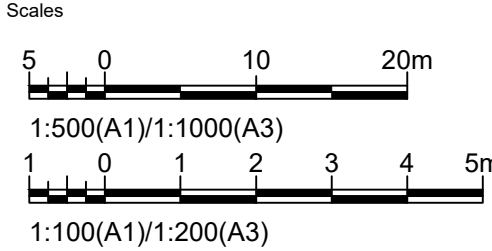


LONGITUDINAL SECTION OF MC01 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client
CLEANAWAY
Making a sustainable future possible

Engineering Certification (CEng)
Name:
Signature: Date:

Job Title
BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP

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ABN 18 000 966 165

Drawing Title
**CIVIL WORKS
MC01 LONGITUDINAL SECTIONS
SHEET 2**

Drawing Status
FOR APPROVAL

Job No
293683-00

Drawing No
BERC-ARU-BNE-CICW-DRG-1352

Issue
C

- NOTE
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 81.0

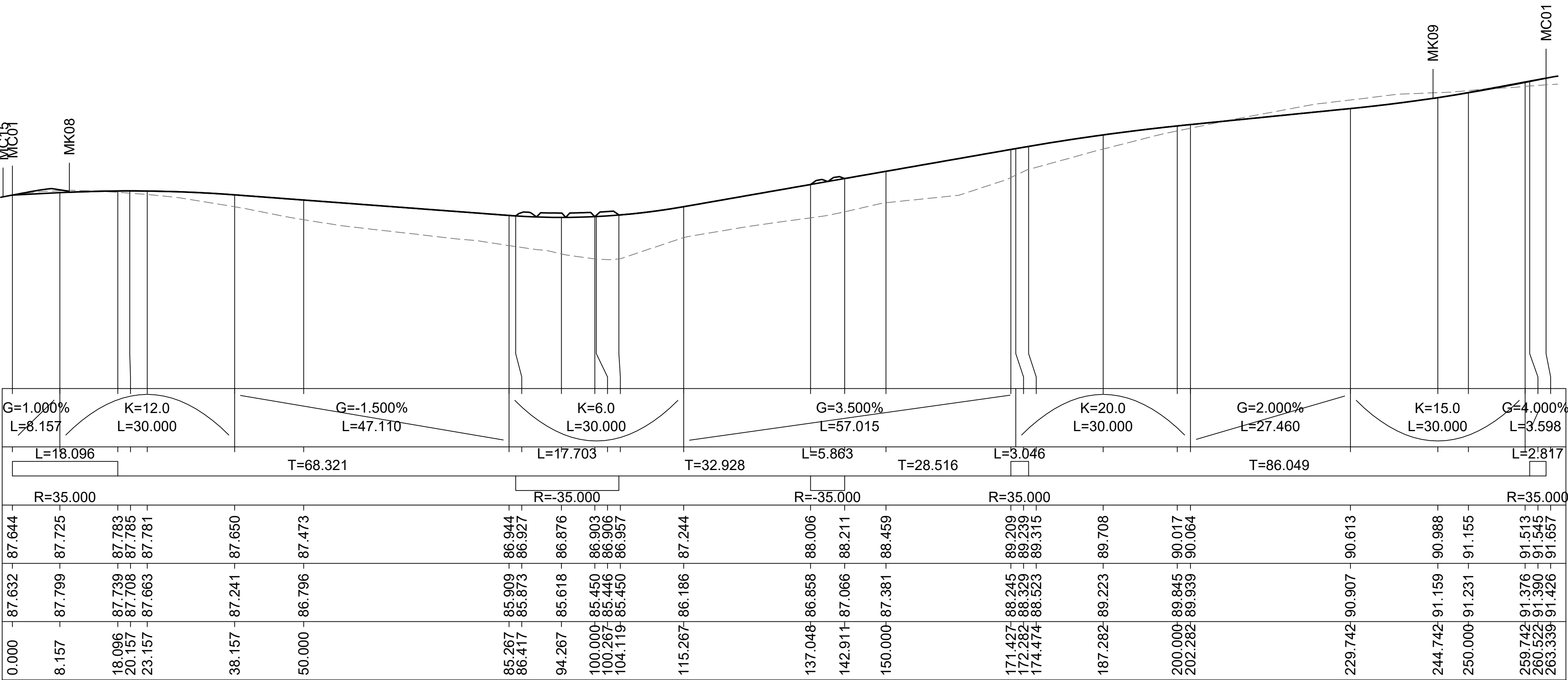
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

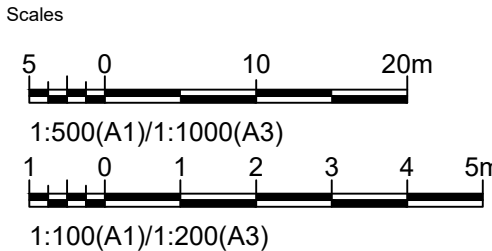


LONGITUDINAL SECTION OF MC02 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
Making a sustainable future possible

Engineering Certification (CEng)

Name: Date:

Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline

CIVIL

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Sydney, NSW, 2000
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Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

**CIVIL WORKS
MC02 LONGITUDINAL SECTIONS**

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1353

Issue

C

NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 75.0

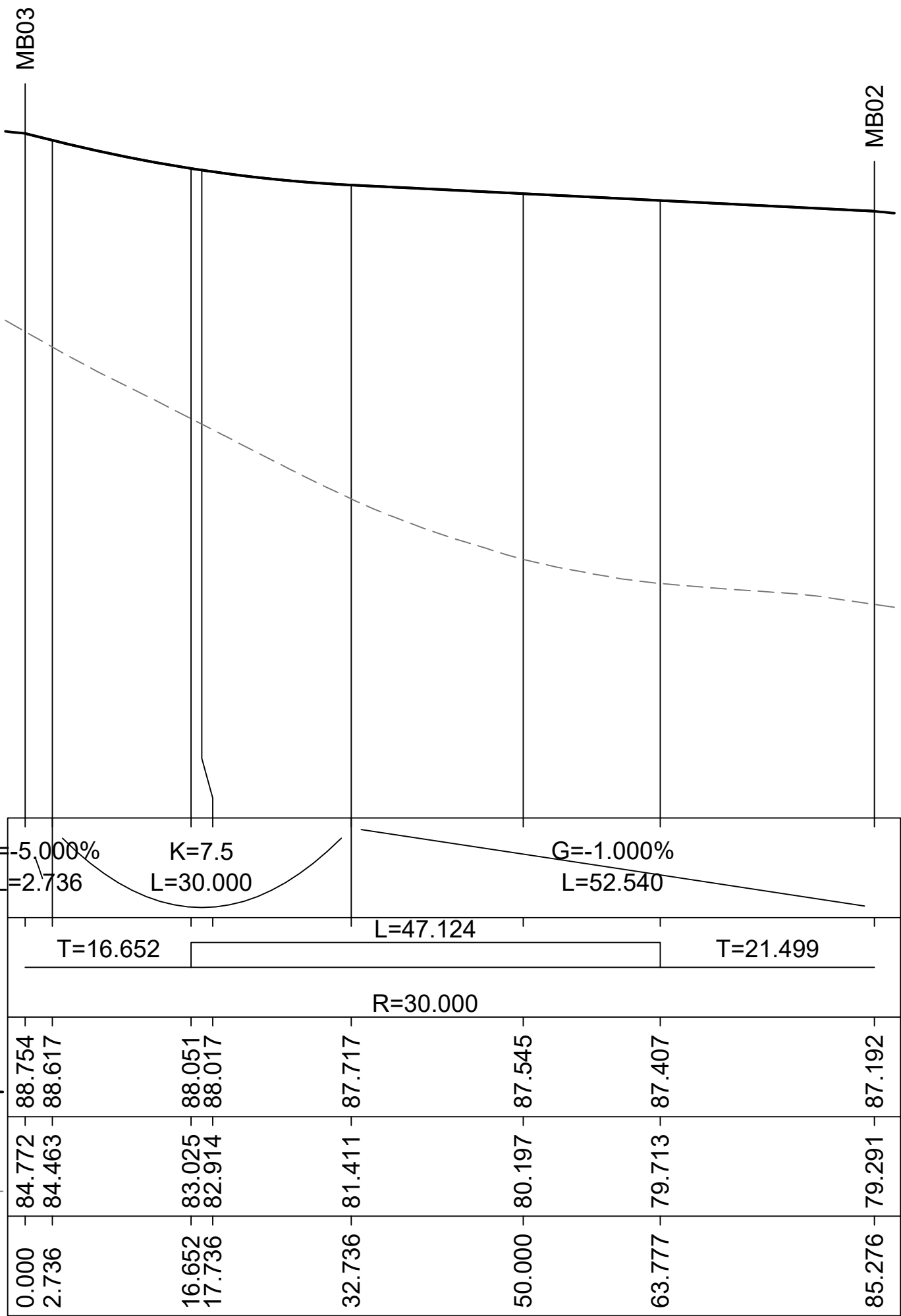
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

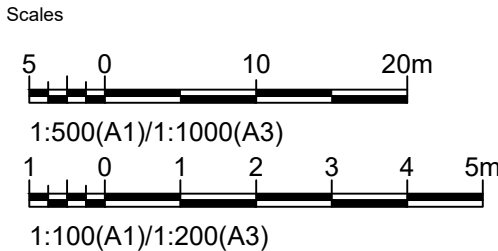


LONGITUDINAL SECTION OF MC13 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client	CLEANAWAY Making a sustainable future possible
Engineering Certification (CEng)	
Name:	
Signature:	Date:

Job Title	BROMELTON ENERGY AND RESOURCES CENTRE
Scale at A1	AS SHOWN
Discipline	CIVIL

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CONSULT AUSTRALIA
Member Firm Arup Pty Ltd ABN 18 000 966 165

Drawing Title	CIVIL WORKS MC13 LONGITUDINAL SECTIONS
Drawing Status	FOR APPROVAL
Job No	293683-00
Drawing No	BERC-ARU-BNE-CICW-DRG-1354
Issue	C

- NOTE
1.

FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2.

FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 79.0

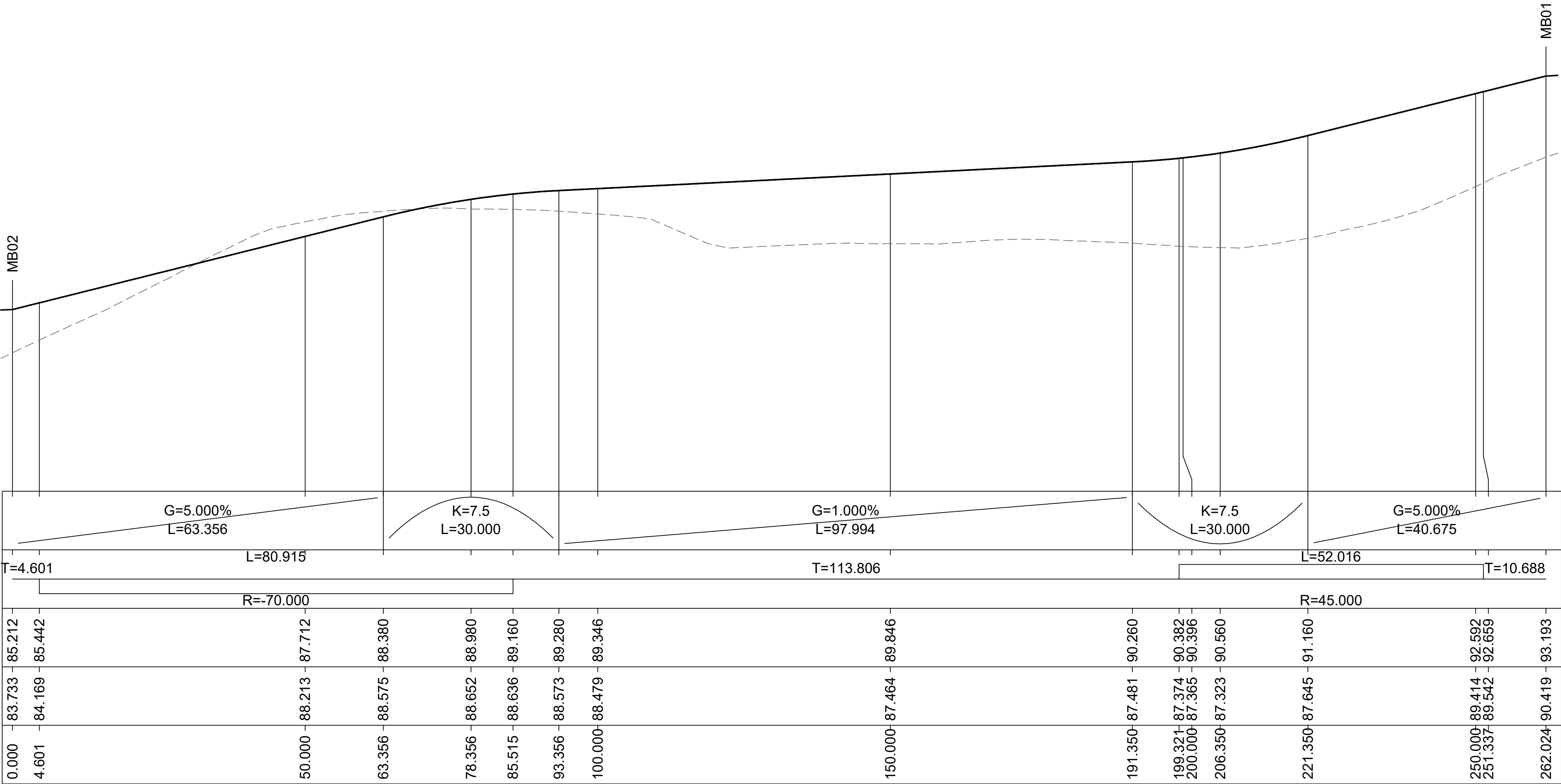
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

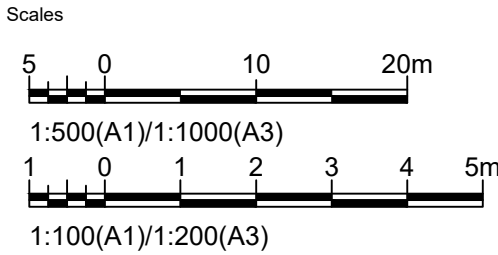


LONGITUDINAL SECTION OF MC14 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client



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Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

AS SHOWN

Discipline

CIVIL

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Sydney, NSW, 2000
Tel +61 (02) 9320 9320 Fax +61 (02) 9320 9321
www.arup.com



Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

CIVIL WORKS
MC14 LONGITUDINAL SECTIONS

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1355

Issue

C

- NOTE
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

DATUM RL (m) 83.0

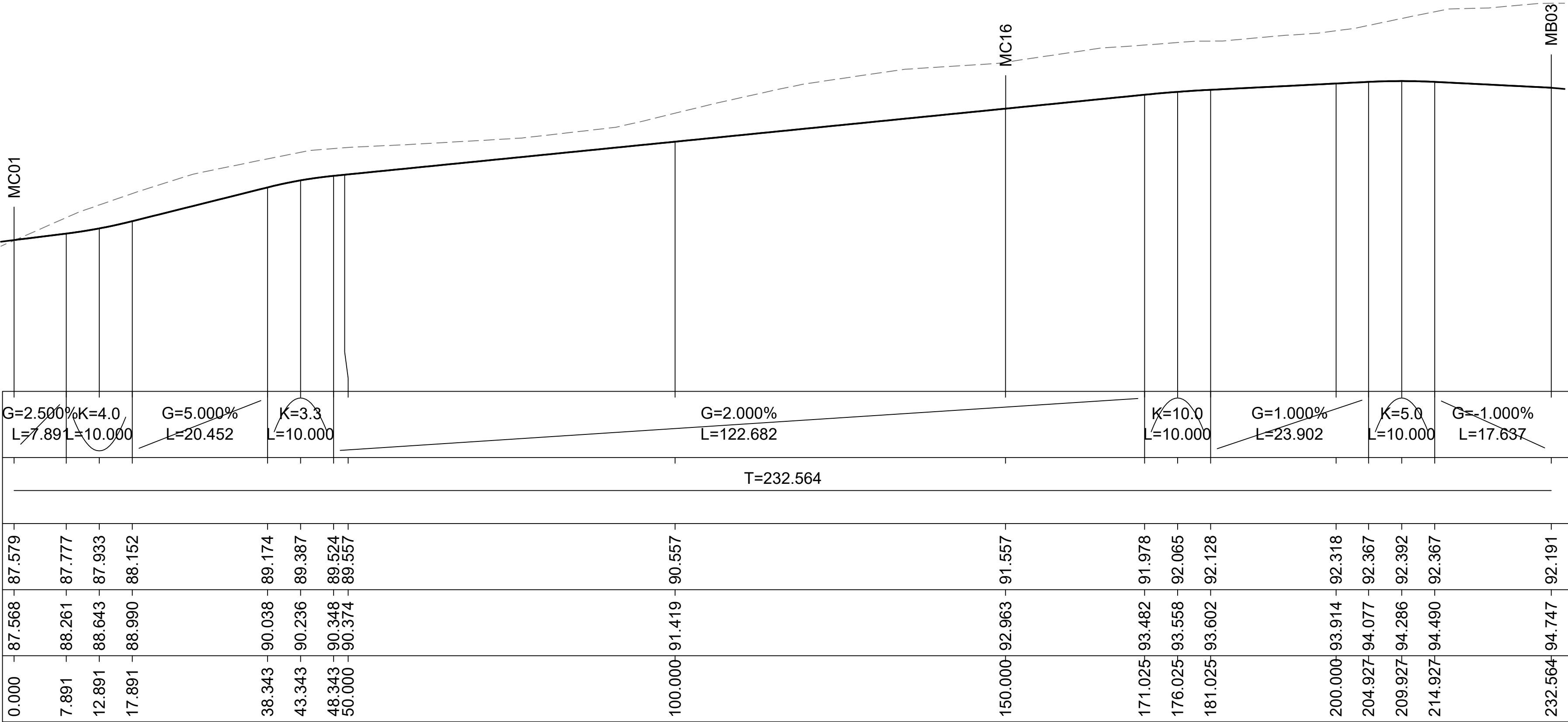
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

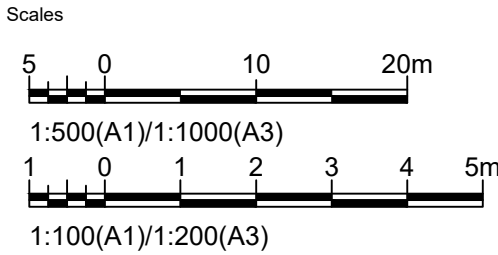


LONGITUDINAL SECTION OF MC15 CONTROL LINE

H 1:500

V 1:100

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline

CIVIL

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Member Firm
Arup Pty Ltd
ABN 18 000 966 165

Drawing Title

**CIVIL WORKS
MC15 LONGITUDINAL SECTIONS**

Drawing Status

FOR APPROVAL

Job No

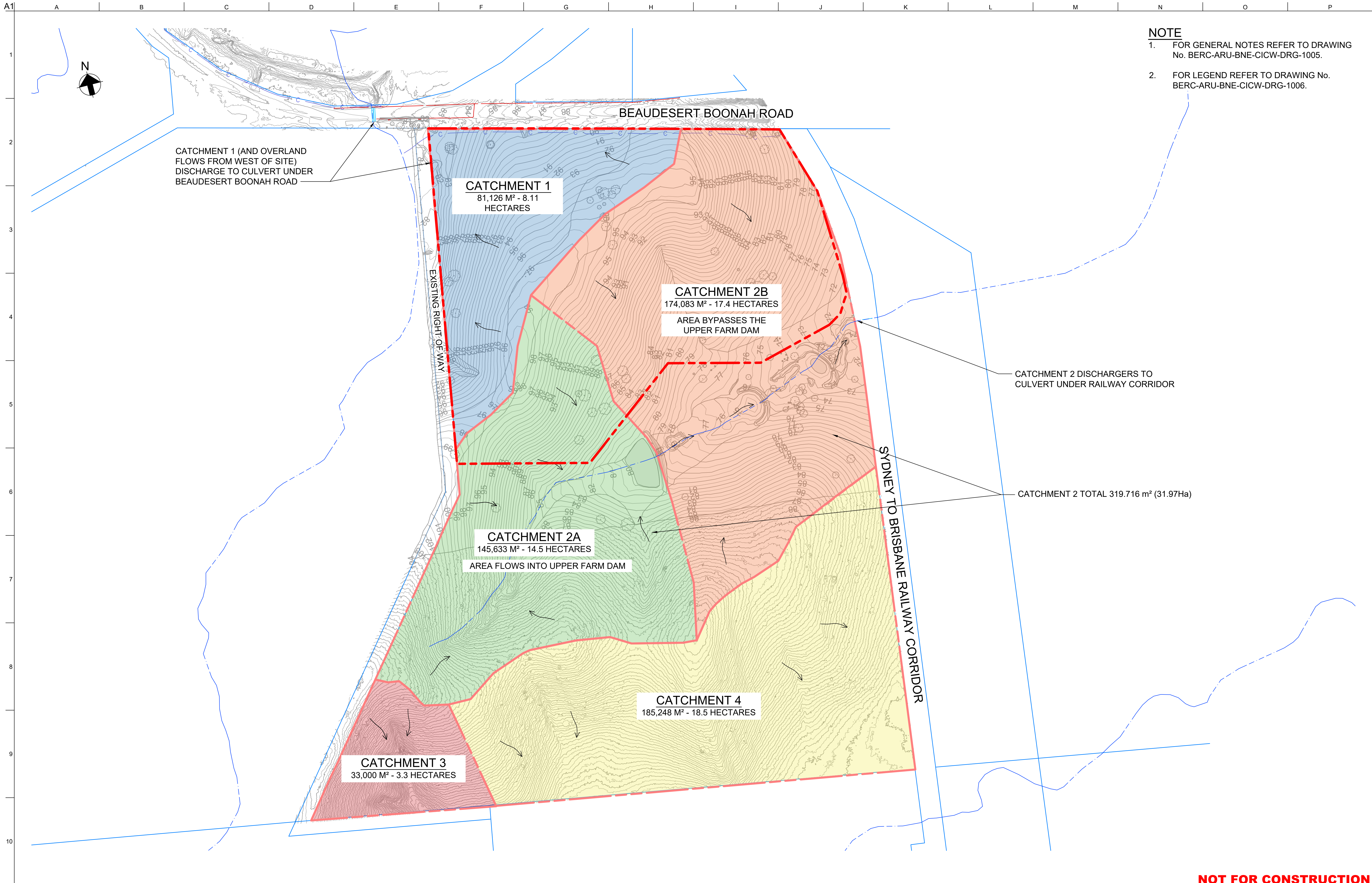
293683-00

Drawing No

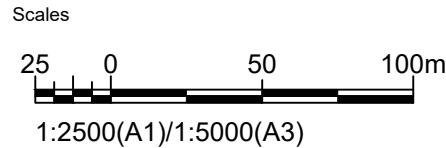
BERC-ARU-BNE-CICW-DRG-1356

Issue

C



NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
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Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1: 1:2500m

Discipline: CIVIL

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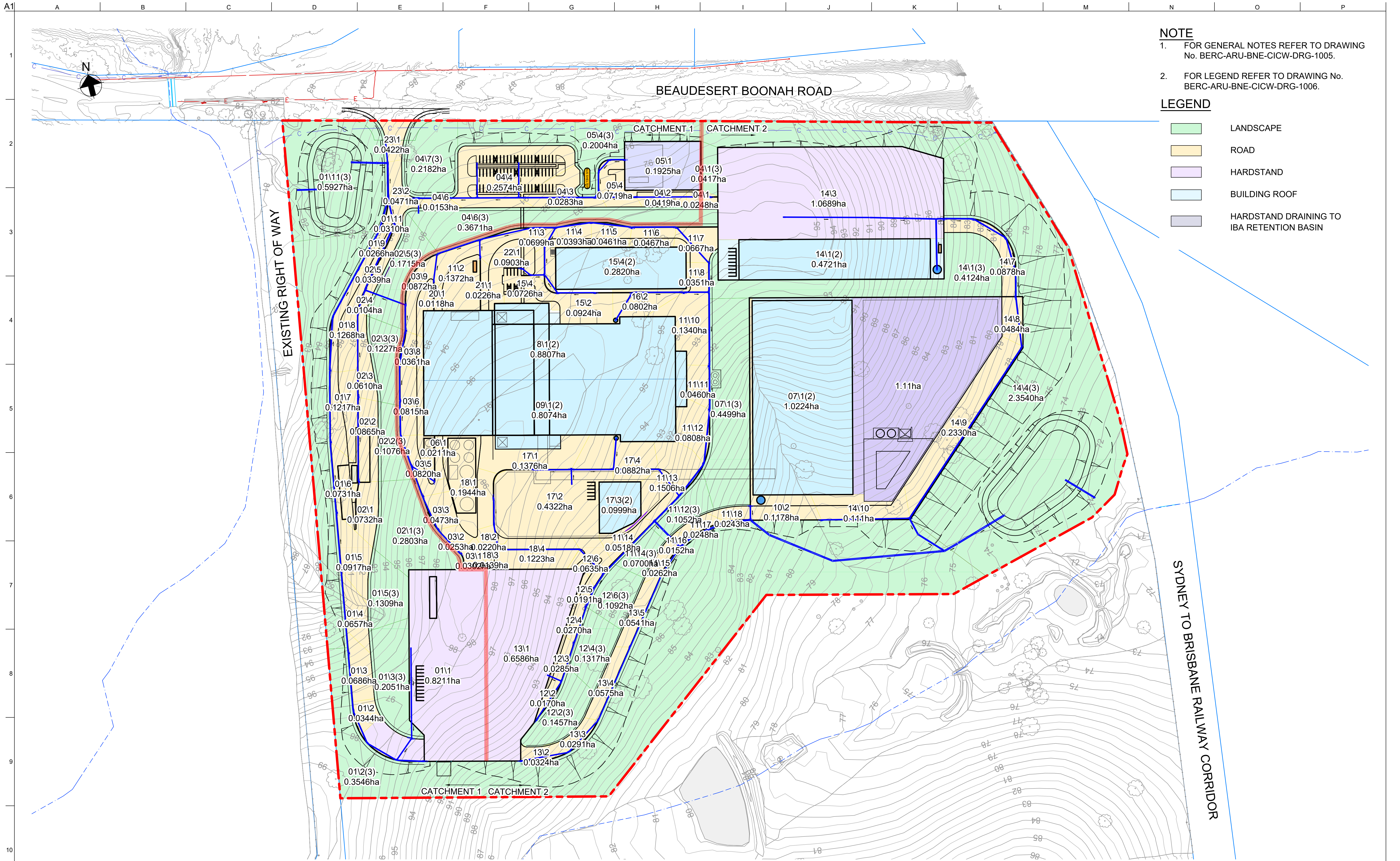
Drawing Title

STORMWATER PRE - DEVELOPMENT CATCHMENT - PLAN

Drawing Status

FOR APPROVAL

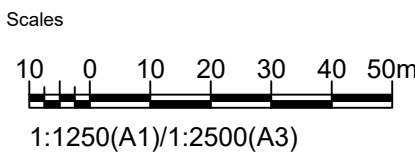
Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1601	C



- NOTE**
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

- LEGEND**
- LANDSCAPE
 - ROAD
 - HARDSTAND
 - BUILDING ROOF
 - HARDSTAND DRAINING TO IBA RETENTION BASIN

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
Hiking is a sustainable future possible

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:1250mm

Discipline **CIVIL**

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Member Firm
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ABN 18 000 966 165

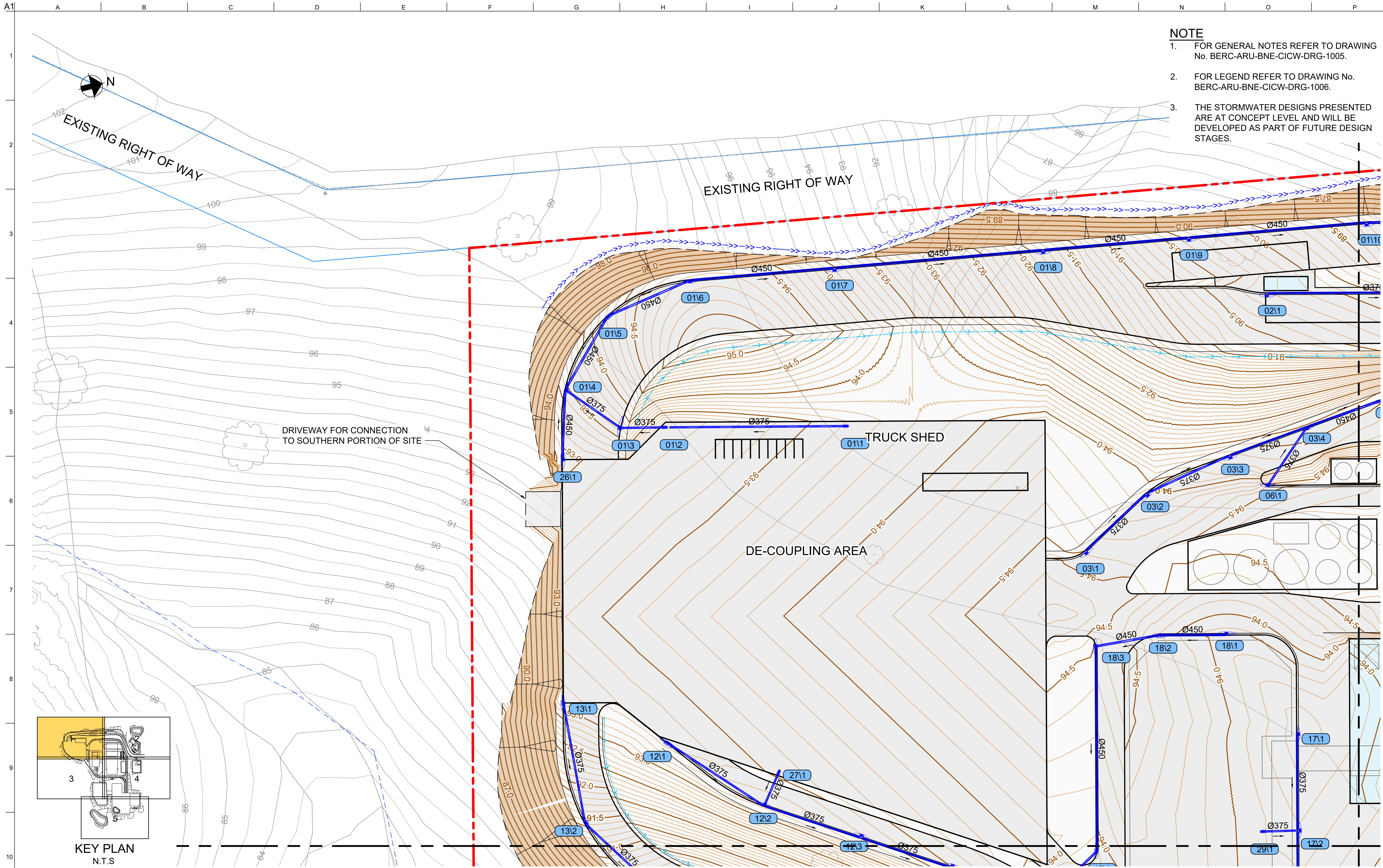
Drawing Title

STORMWATER PROPOSED CATCHMENT - PLAN

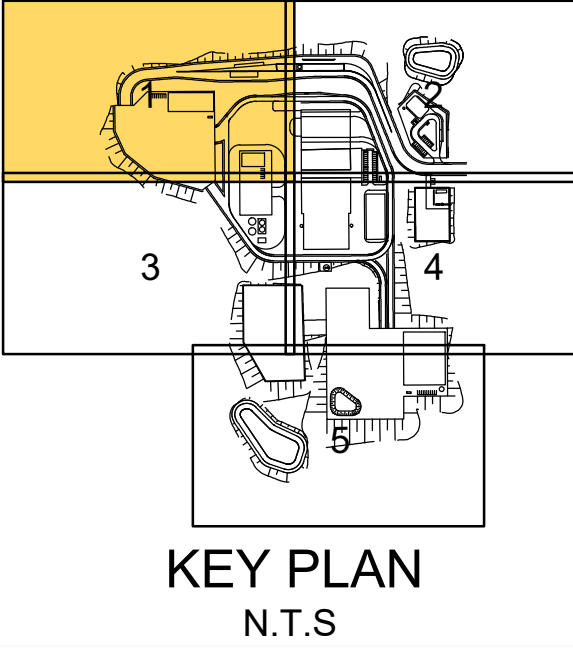
Drawing Status

FOR APPROVAL

Job No **293683-00** Drawing No **BERC-ARU-BNE-CICW-DRG-1605** Issue **D**



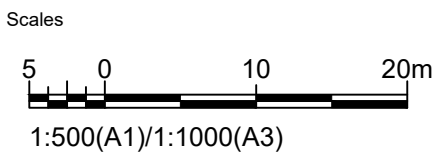
- NOTE**
- 1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - 2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 - 3. THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.



BERC-ARU-BRI-CICW- DRG-1613

BERC-ARU-BRI-CICW- DRG-1612

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

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Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:500m

Discipline **CIVIL**

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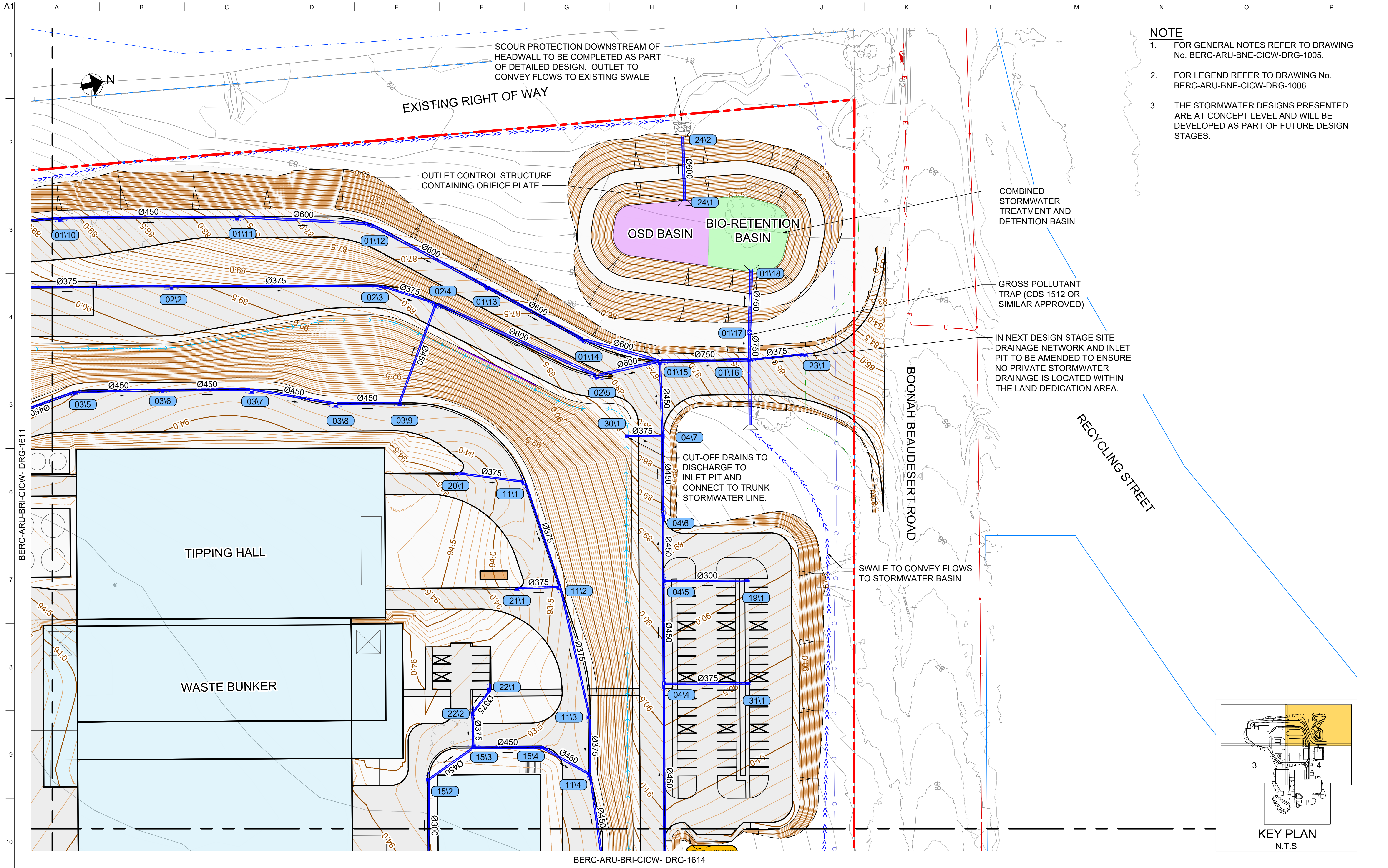
Drawing Title

STORMWATER PLAN SHEET 1

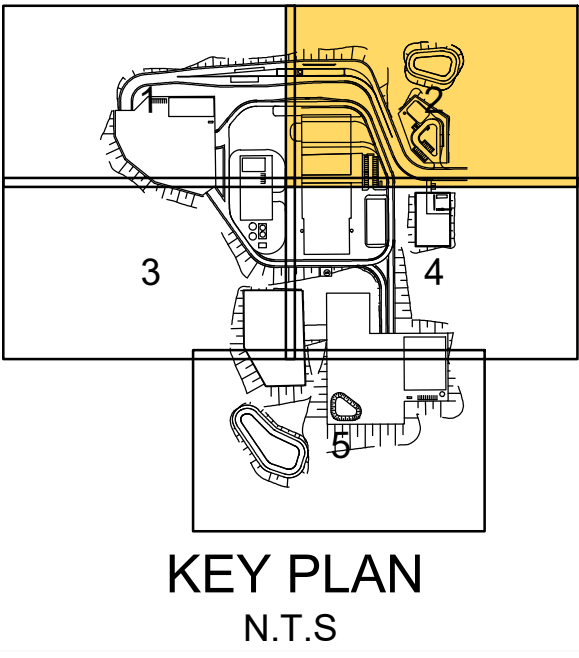
Drawing Status

FOR APPROVAL

Job No **293683-00** Drawing No **BERC-ARU-BNE-CICW-DRG-1611** Issue **C**



- NOTE**
- 1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - 2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 - 3. THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.



Scales

5 0 10 20m

1:500(A1)/1:1000(A3)

Issue	Date	By	Chkd	Appd

E	27.07.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
D	14.05.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

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Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

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Scale at A1 1:500m

Discipline **CIVIL**

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Member Firm
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ABN 18 000 966 165

Drawing Title

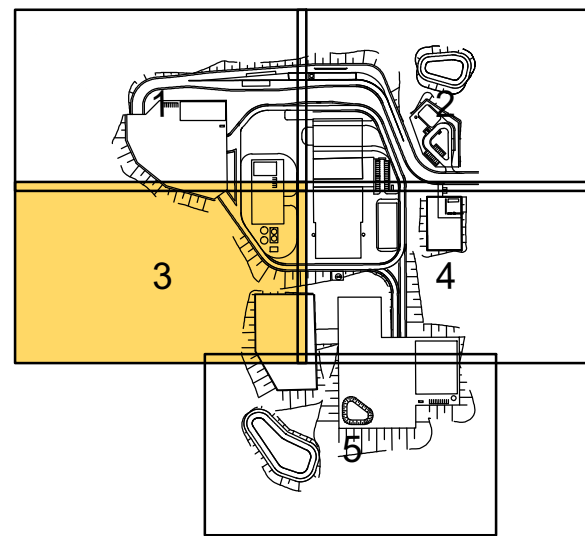
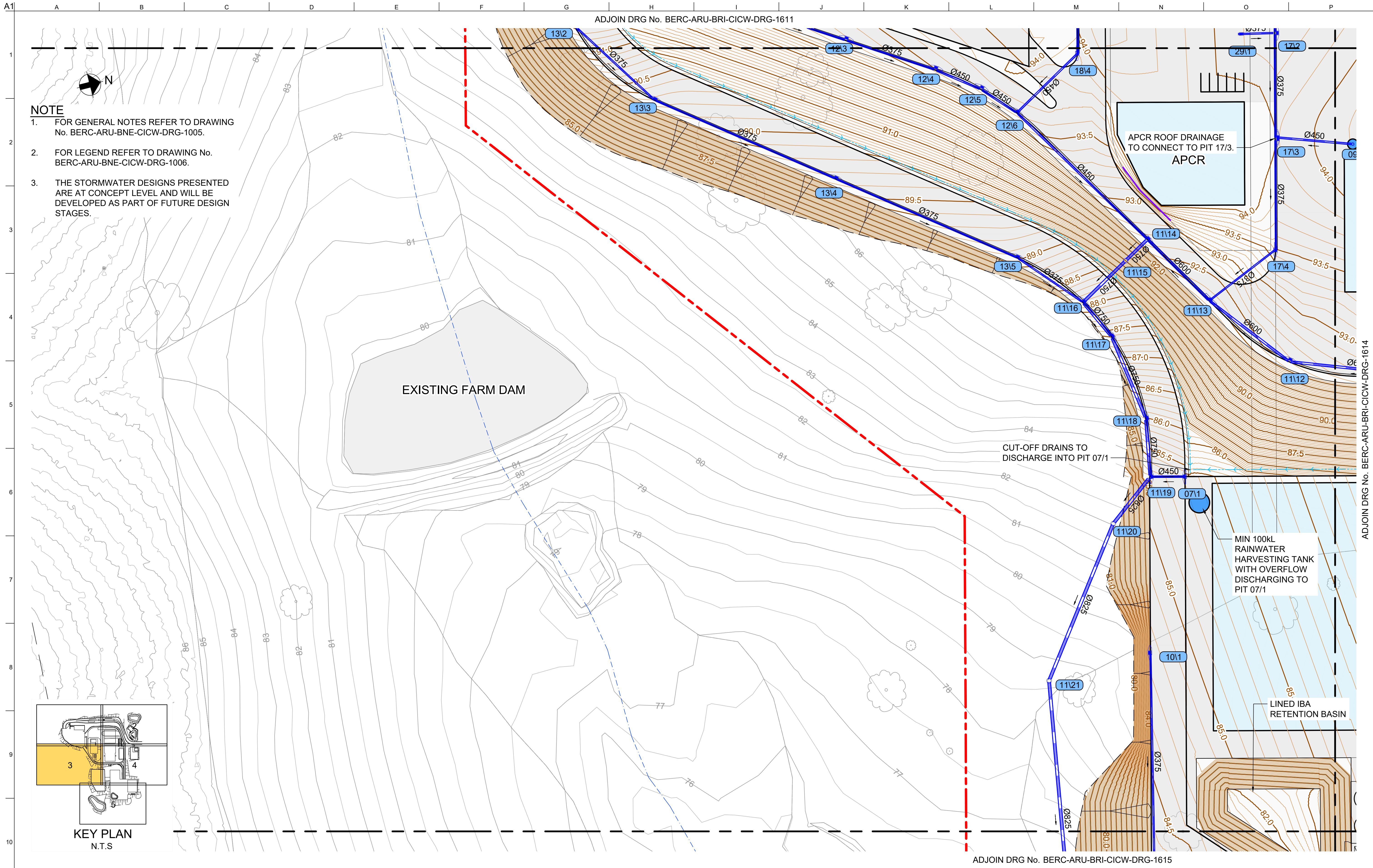
STORMWATER PLAN SHEET 2

Drawing Status

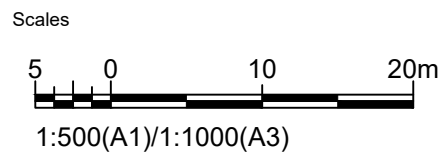
FOR APPROVAL

Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1612	E

NOT FOR CONSTRUCTION



KEY PLAN
N.T.S



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY
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Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1: 1:500m

Discipline: CIVIL

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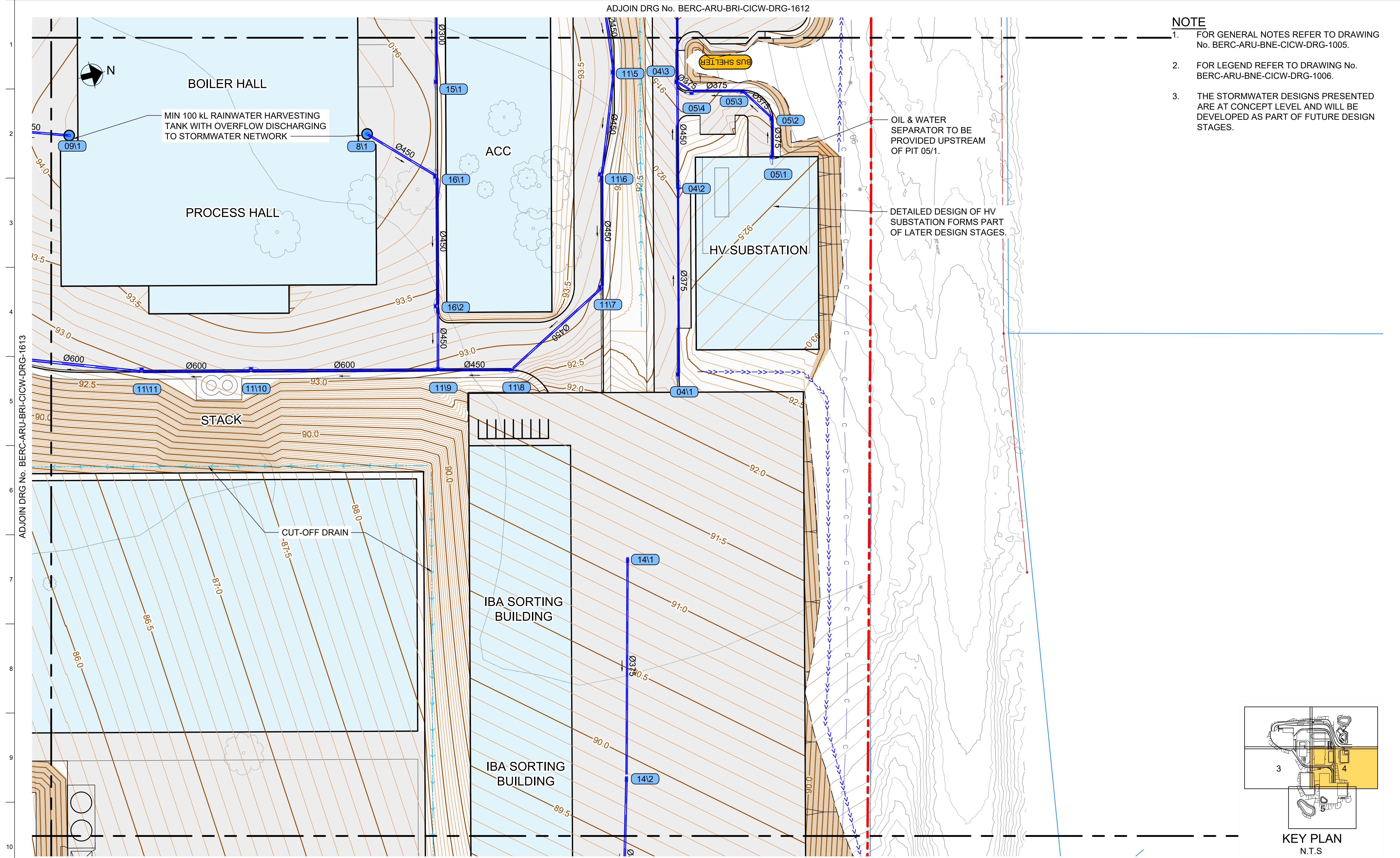
Drawing Title

STORMWATER PLAN SHEET 3

Drawing Status

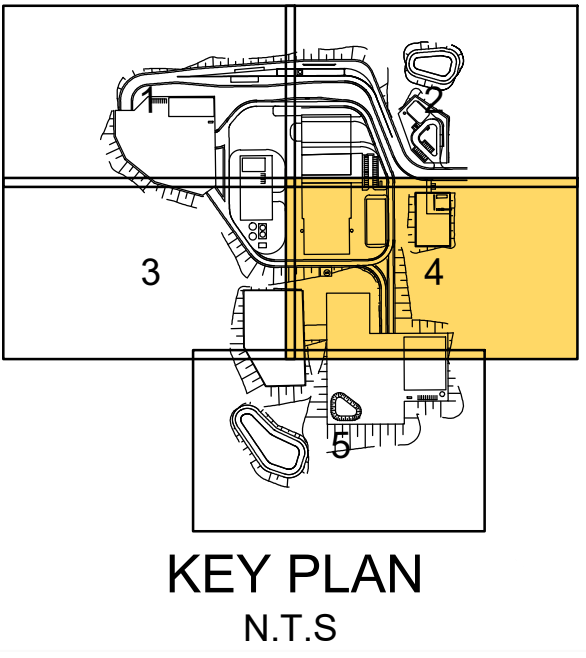
FOR APPROVAL

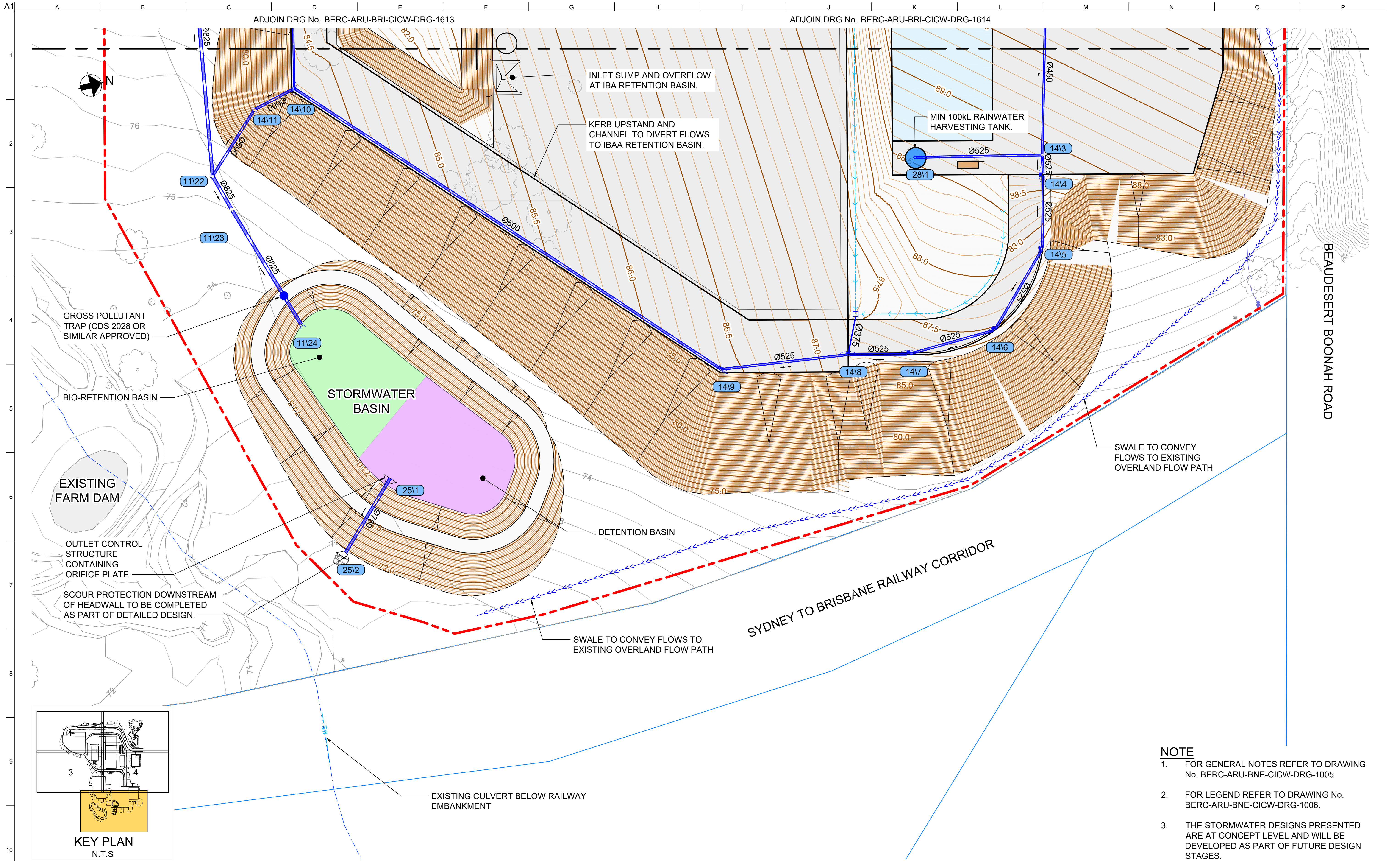
Job No: **293683-00** Drawing No: **BERC-ARU-BNE-CICW-DRG-1613** Issue: **C**



NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
3. THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.





- NOTE**
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 - THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.

NOT FOR CONSTRUCTION

Scales

5 0 10 20m

1:500(A1)/1:1000(A3)

Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				

Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:500m

Discipline CIVIL

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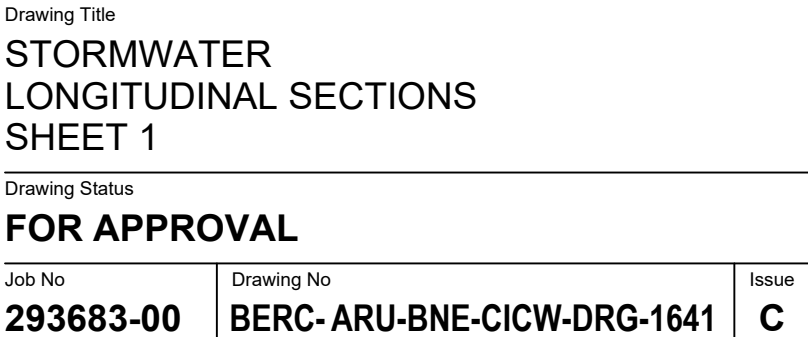
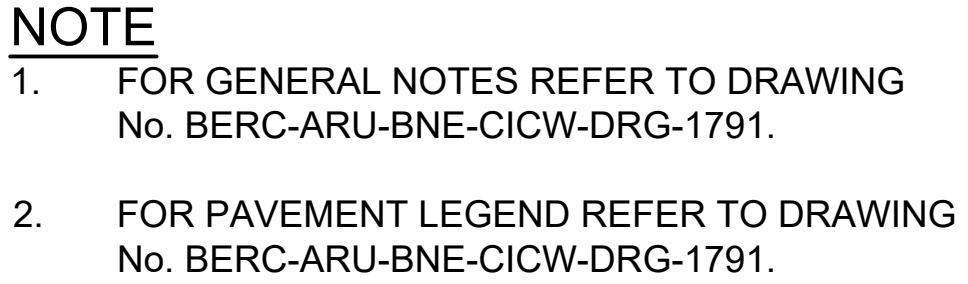
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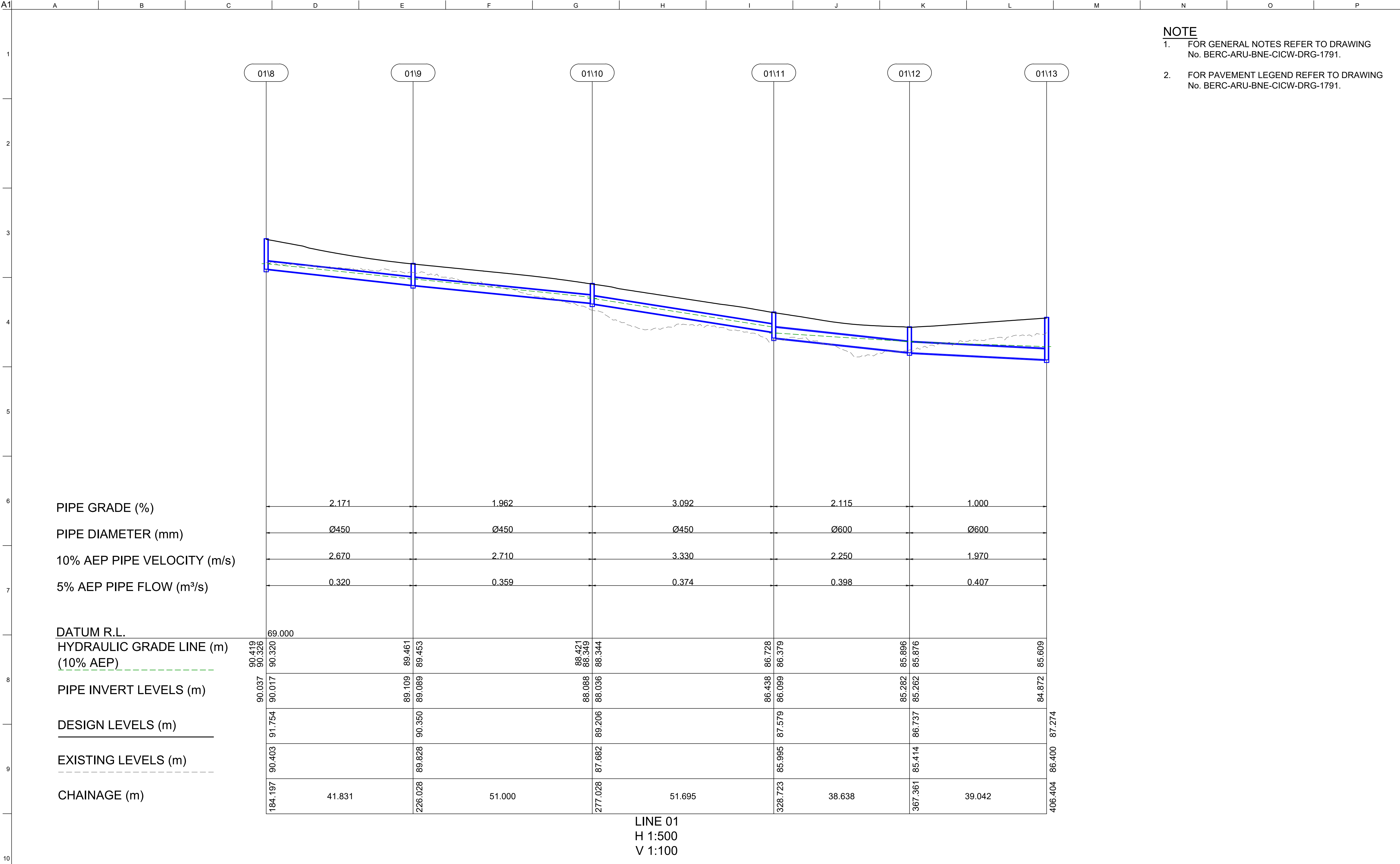
STORMWATER PLAN SHEET 5

Drawing Status

FOR APPROVAL

Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1615	C





NOTE

1. FOR GENERAL NOTES REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.

2. FOR PAVEMENT LEGEND REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.

Scales

10m

5m

20m

1:100(A1)/1:200(A3)

1:500(A1)/1:1000(A3)

Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

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Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND
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Scale at A1 AS SHOWN

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Member Firm

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ABN 18 000 966 165

Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 2

Drawing Status

FOR APPROVAL

Job No 293683-00

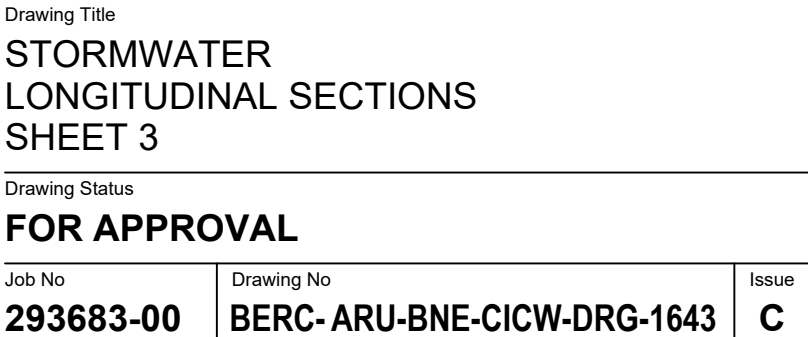
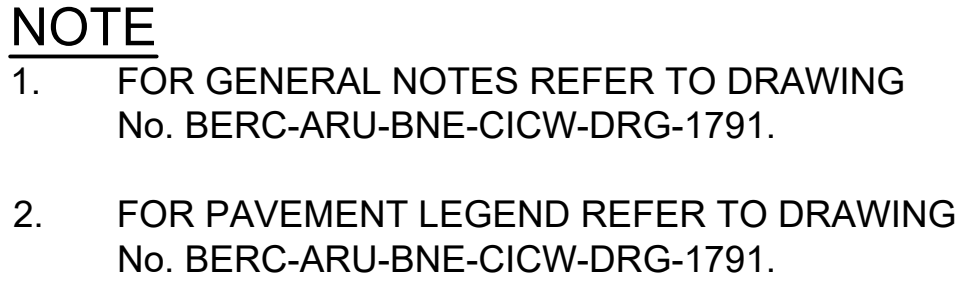
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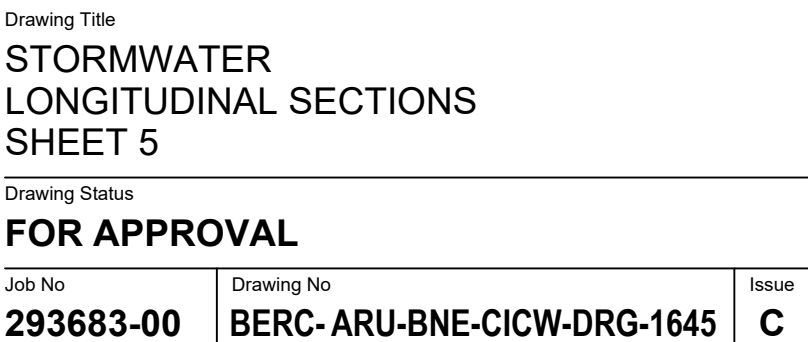
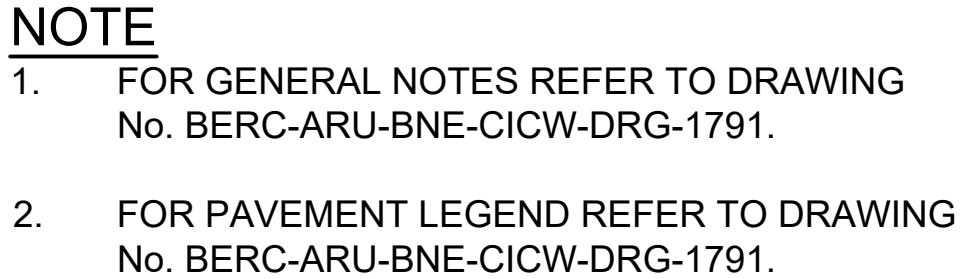
Issue C

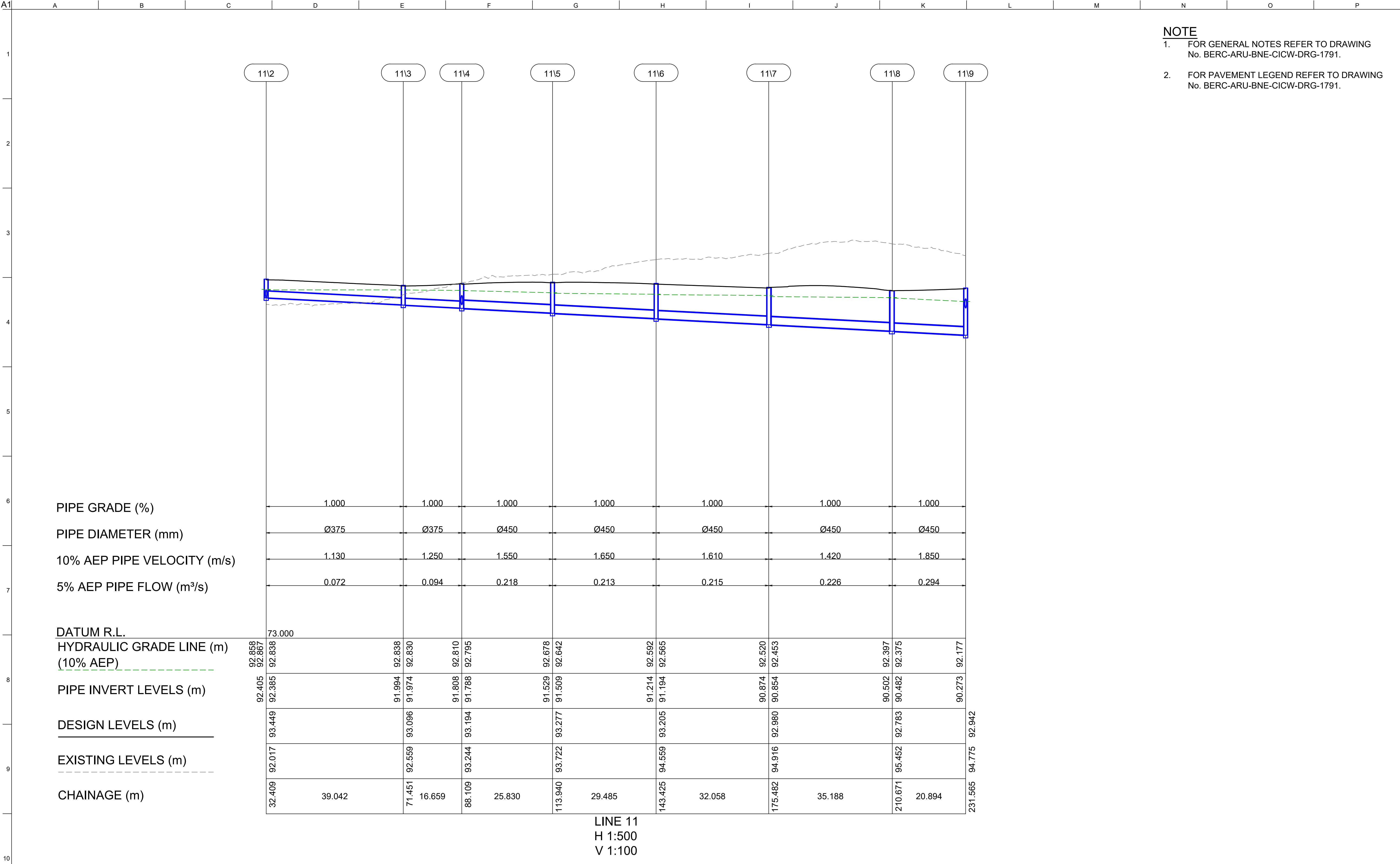
NOT FOR CONSTRUCTION

Do not scale

© Arup



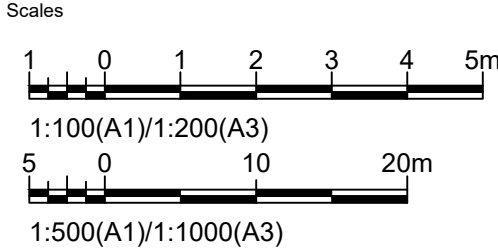




- NOTE
1.

FOR GENERAL NOTES REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.
2.

FOR PAVEMENT LEGEND REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

CLEANAWAY

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Name:

Signature: Date:

Job Title

BROMELTON ENERGY AND
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Scale at A1

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ABN 18 000 966 165

Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 6

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1646

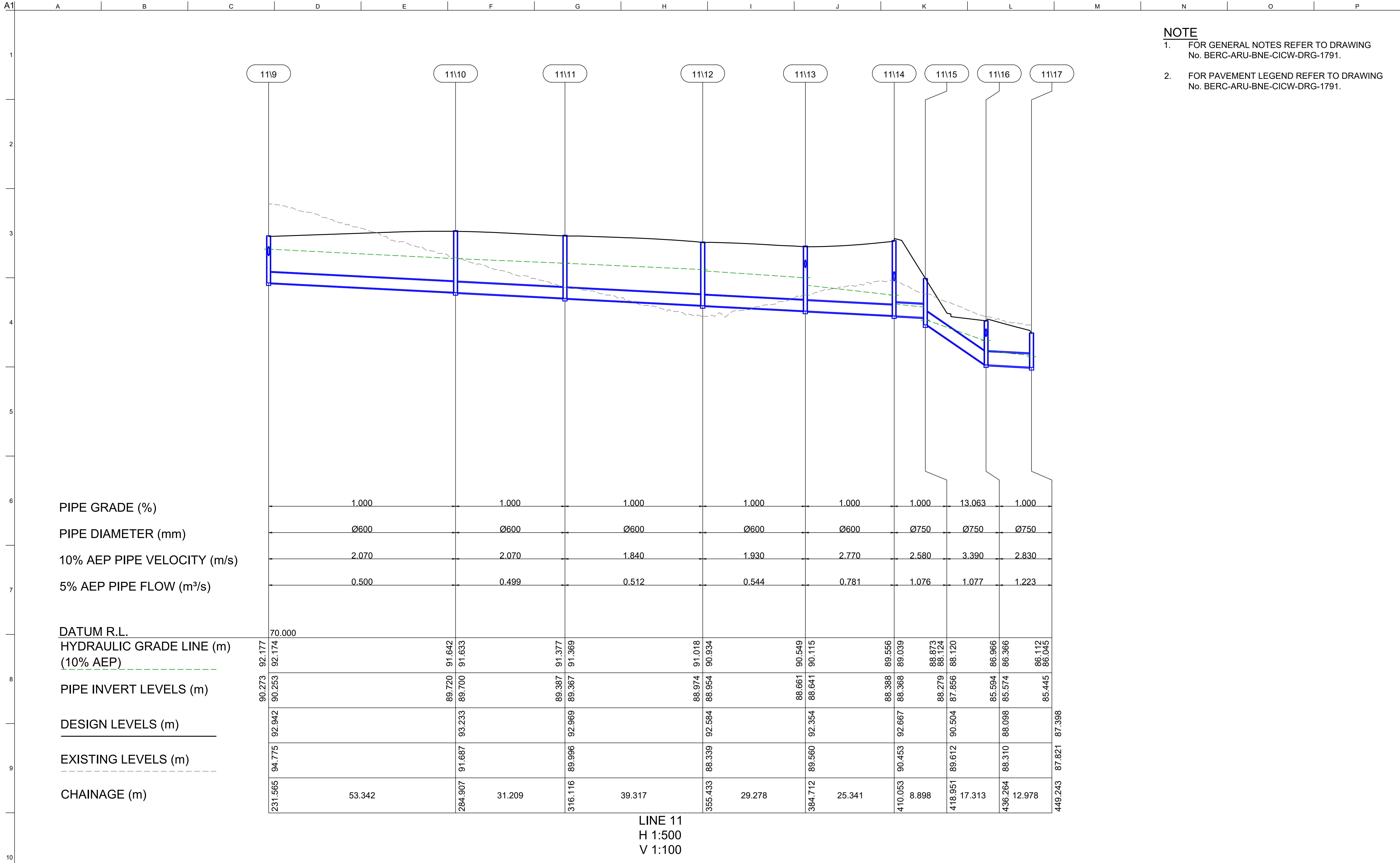
Issue

C

NOT FOR CONSTRUCTION

Do not scale

© Arup



Scales

1 0 1 2 3 4 5m

1:100(A1)/1:200(A3)

5 0 10 20m

1:500(A1)/1:1000(A3)

Issue

Date

By

Chkd

Appd

Issue

Date

By

Chkd

Appd

C

16.01.26

PDA

ERA

EGM

ISSUE FOR APPROVAL

B

26.09.25

PDA

ERA

EGM

ISSUED FOR ADEQUACY REVIEW

A

18.08.25

PDA

ERA

EGM

DRAFT FEED ISSUE

Issue

Date

By

Chkd

Appd

Client

CLEANAWAY

Making a sustainable future possible

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND
RESOURCES CENTRE

Scale at A1

AS SHOWN

Discipline

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Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 7

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC- ARU-BNE-CICW-DRG-1647

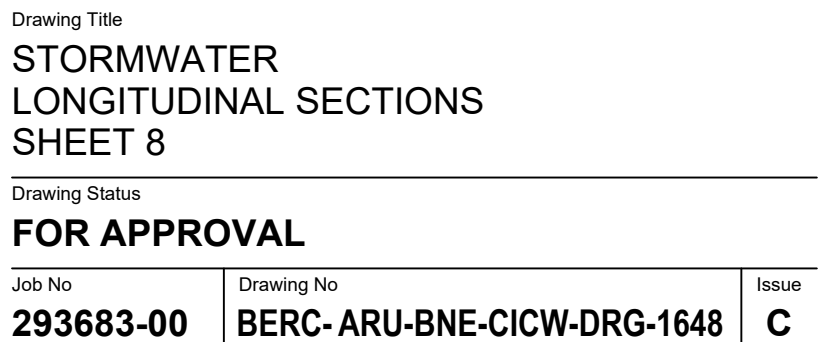
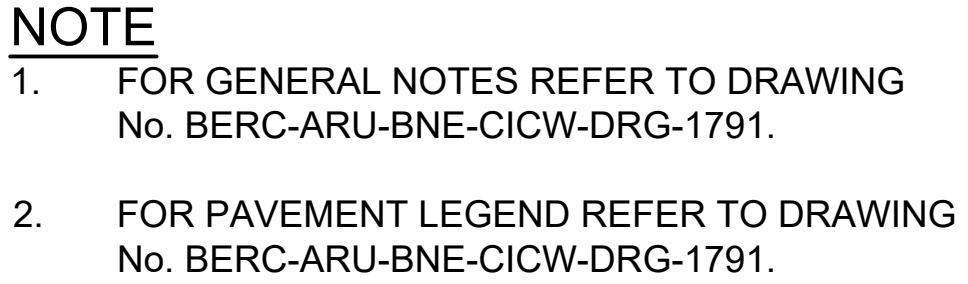
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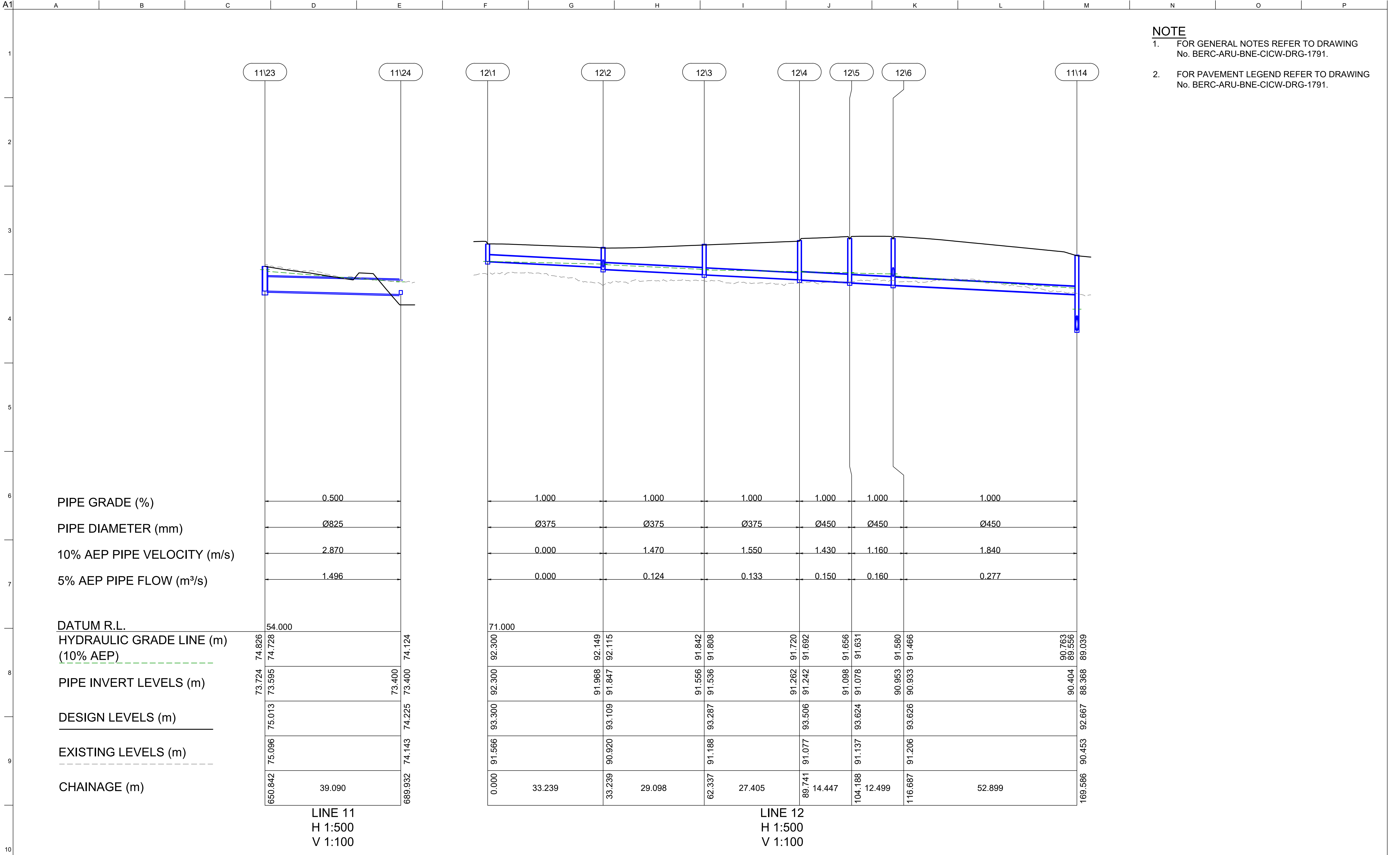
C

NOT FOR CONSTRUCTION

Do not scale

© Arup





- NOTE
1.

FOR GENERAL NOTES REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.
2.

FOR PAVEMENT LEGEND REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.

Scales

10m

5m

1:100(A1)/1:200(A3)

1:500(A1)/1:1000(A3)

Issue

Date

By

Chkd

Appd

Issue

Date

By

Chkd

Appd

Issue

Date

By

Chkd

Appd

C

16.01.26

PDA

ERA

EGM

ISSUE FOR APPROVAL

B

26.09.25

PDA

ERA

EGM

ISSUED FOR ADEQUACY REVIEW

A

18.08.25

PDA

ERA

EGM

DRAFT FEED ISSUE

Client

CLEANAWAY

Making a sustainable future possible

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND
RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline CIVIL

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Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 9

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1649

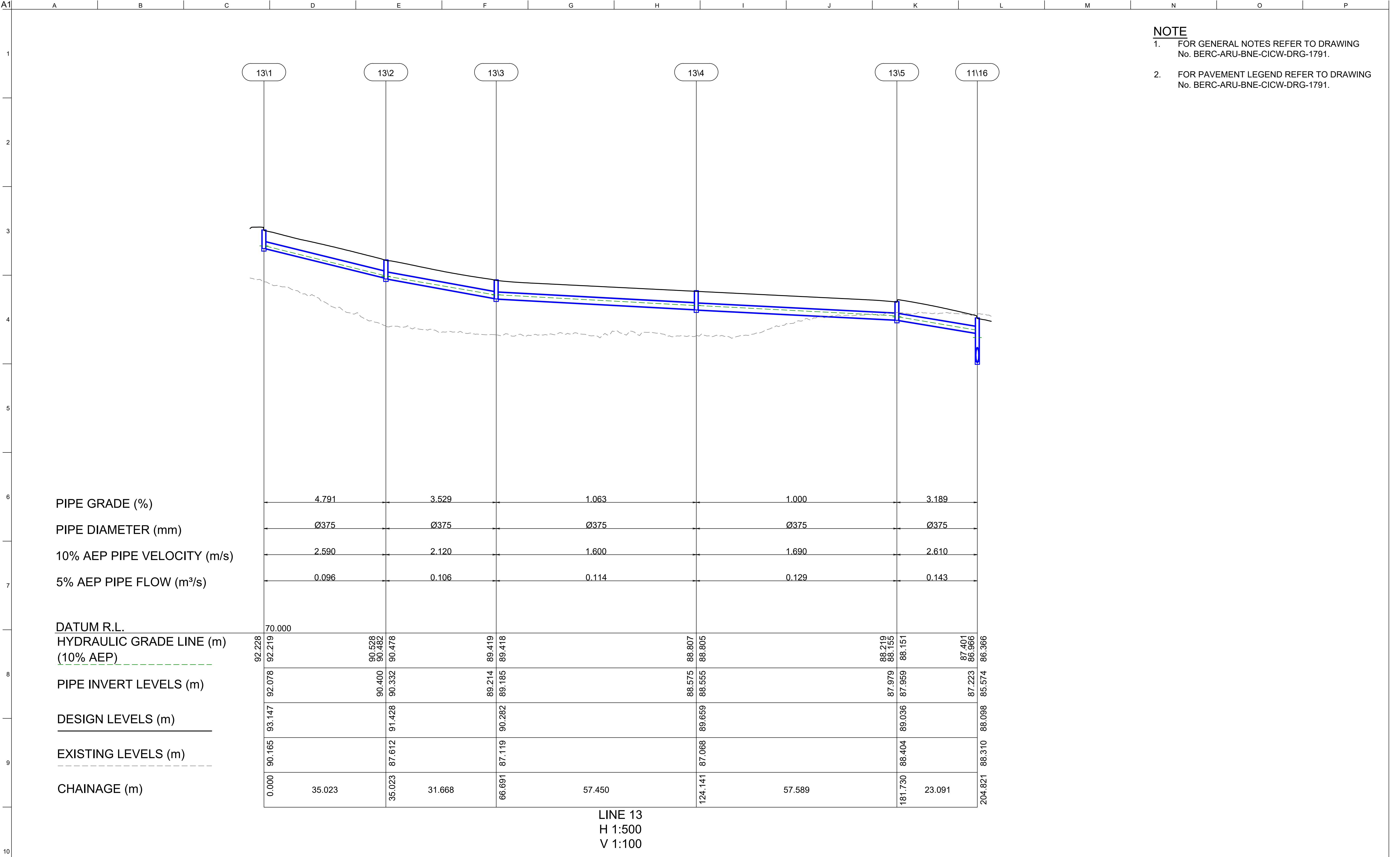
Issue

C

NOT FOR CONSTRUCTION

Do not scale

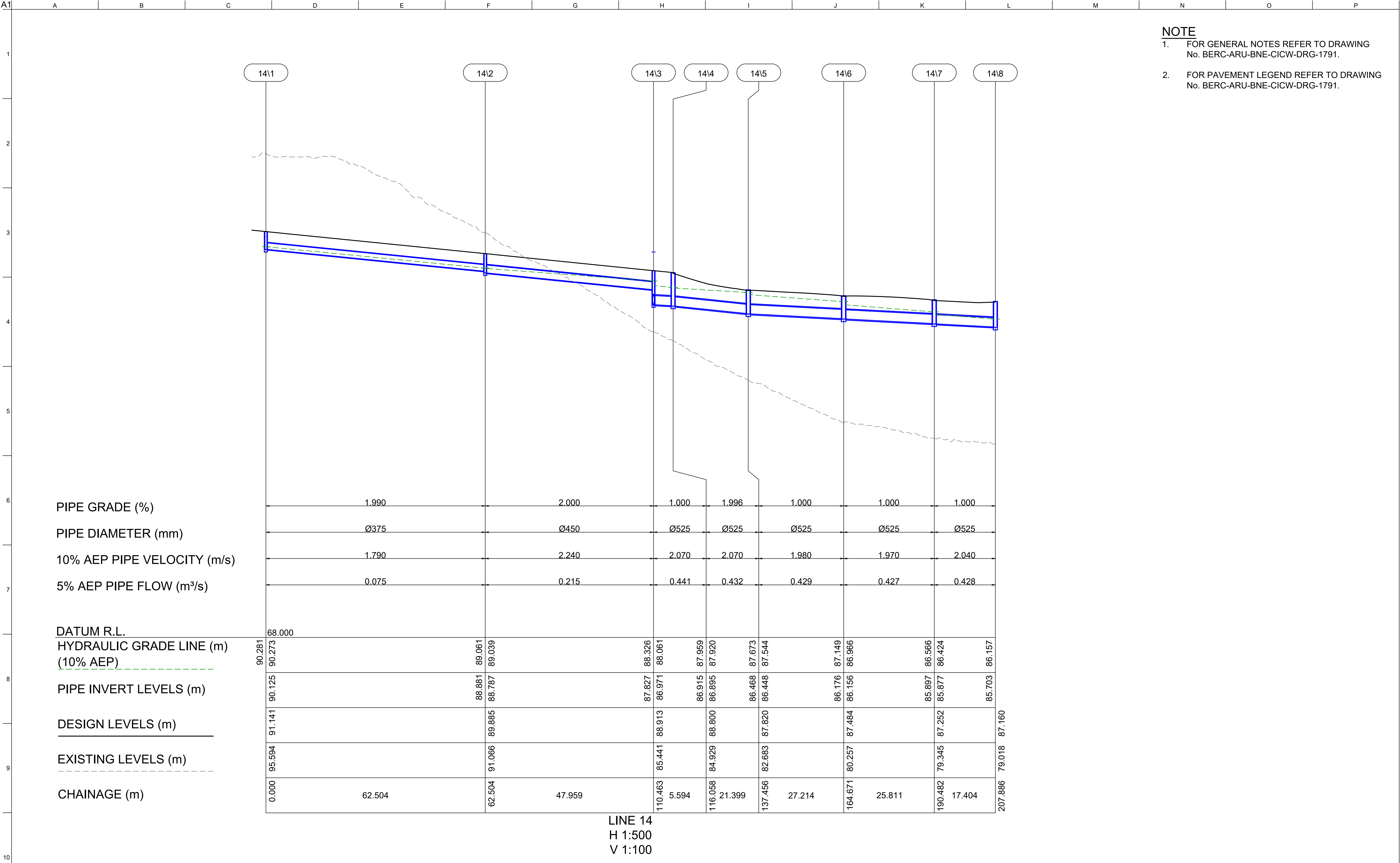
© Arup



NOTE

1. FOR GENERAL NOTES REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.

2. FOR PAVEMENT LEGEND REFER TO DRAWING
No. BERC-ARU-BNE-CICW-DRG-1791.



PIPE GRADE (%)

PIPE DIAMETER (mm)

10% AEP PIPE VELOCITY (m/s)

5% AEP PIPE FLOW (m³/s)

DATUM R.L.

HYDRAULIC GRADE LINE (m)

(10% AEP)

PIPE INVERT LEVELS (m)

DESIGN LEVELS (m)

EXISTING LEVELS (m)

CHAINAGE (m)

LINE 14

H 1:500

V 1:100

NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.

2. FOR PAVEMENT LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.

Scales

1 0 1 2 3 4 5m

1:100(A1)/1:200(A3)

5 0 10 20m

1:500(A1)/1:1000(A3)

Issue

Date

By

Chkd

Appd

Issue

Date

By

Chkd

Appd

C

16.01.26

PDA

ERA

EGM

ISSUE FOR APPROVAL

B

26.09.25

PDA

ERA

EGM

ISSUED FOR ADEQUACY REVIEW

A

18.08.25

PDA

ERA

EGM

DRAFT FEED ISSUE

Client

CLEANAWAY

Making a sustainable future possible

Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

AS SHOWN

Discipline

CIVIL

ARUP

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Sydney, NSW, 2000

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CONSULT AUSTRALIA

Member Firm

Arup Pty Ltd

ABN 18 000 966 165

Drawing Title

STORMWATER LONGITUDINAL SECTIONS SHEET 11

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC- ARU-BNE-CICW-DRG-1651

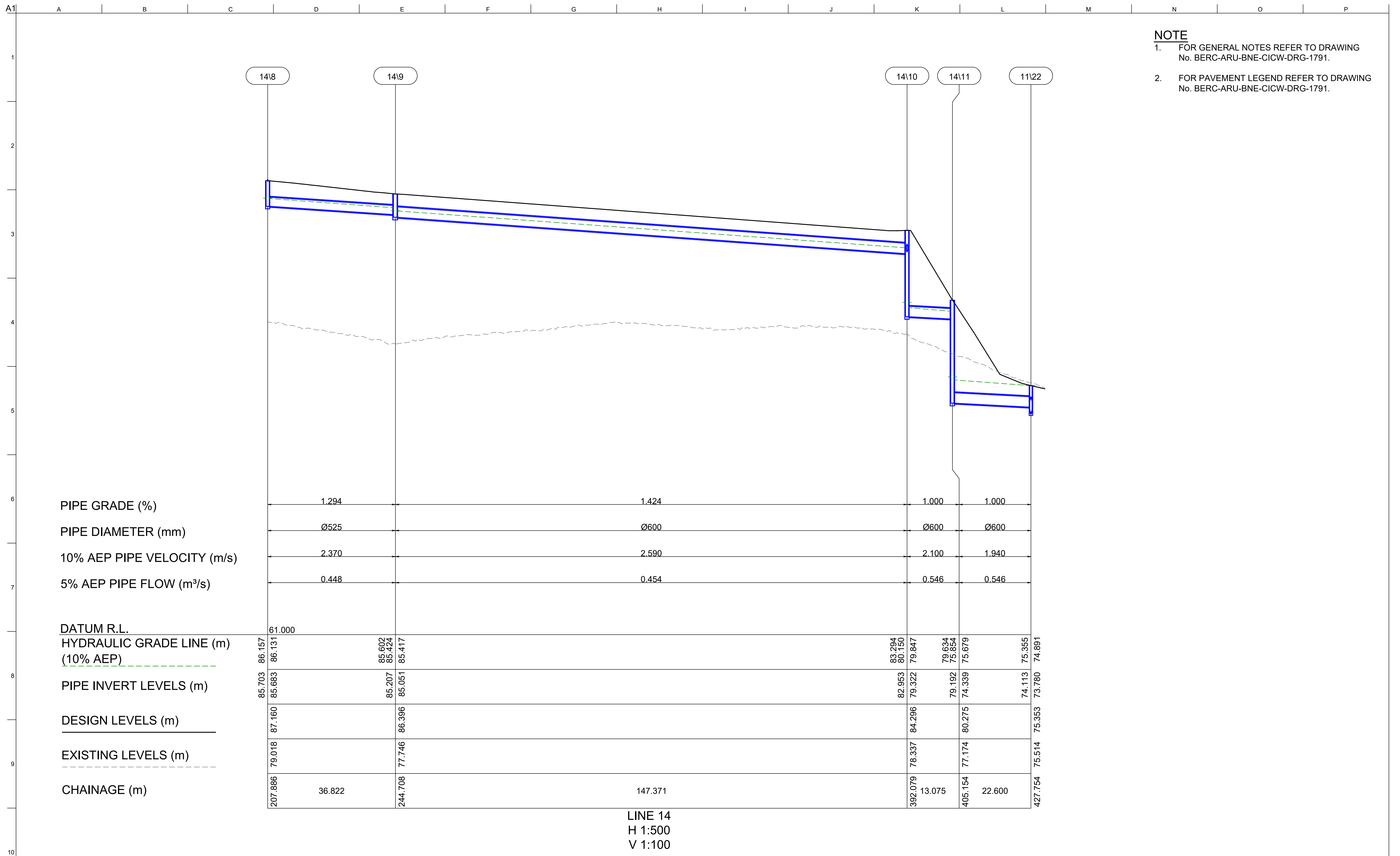
Issue

C

NOT FOR CONSTRUCTION

Do not scale

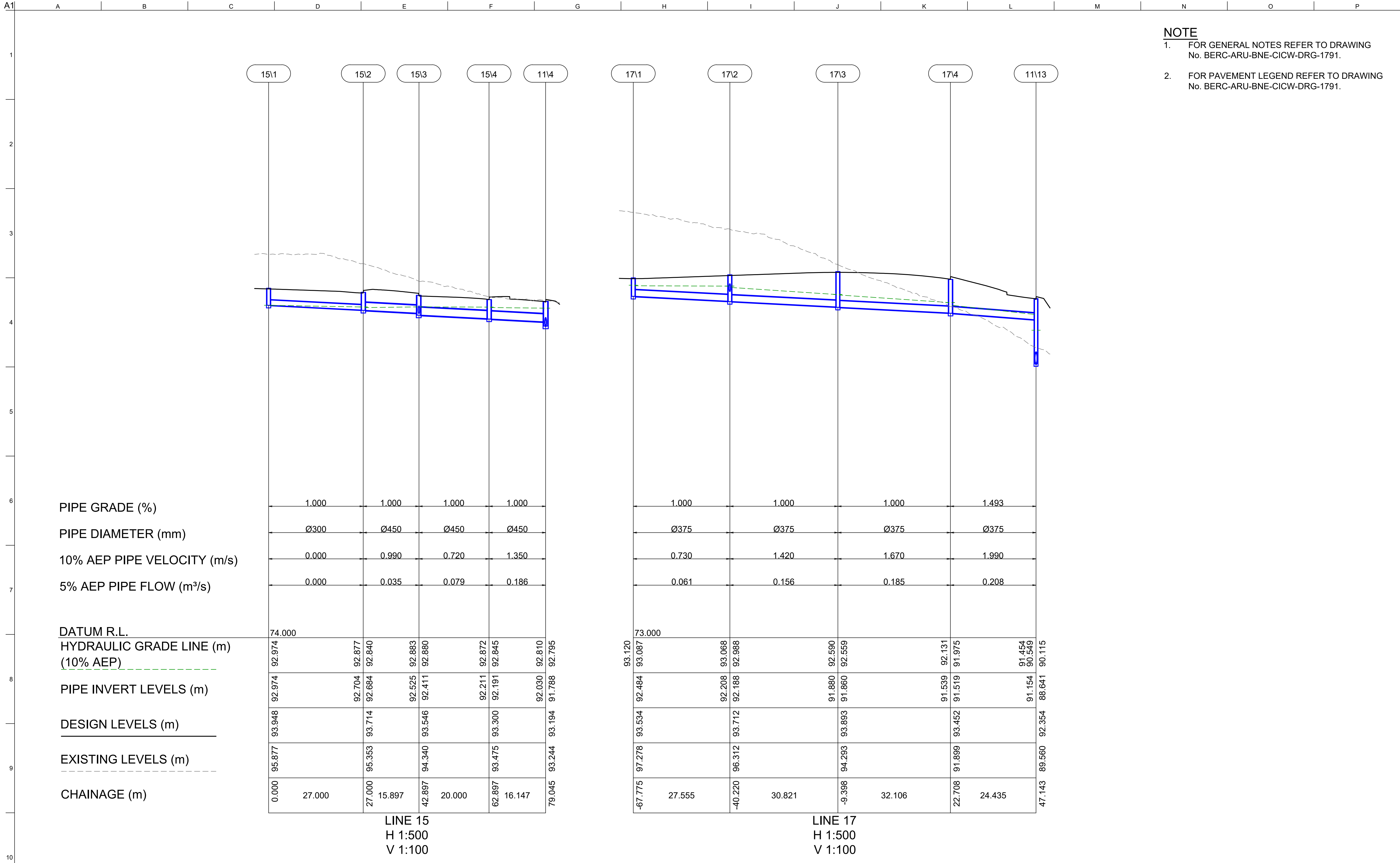
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NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.
2. FOR PAVEMENT LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.

[illegible]



NOTE

1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.

2. FOR PAVEMENT LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1791.

Scales

1 0 1 2 3 4 5m

1:100(A1)/1:200(A3)

5 0 10 20m

1:500(A1)/1:1000(A3)

Issue

Date

By

Chkd

Appd

Issue

Date

By

Chkd

Appd

C

16.01.26

PDA

ERA

EGM

ISSUE FOR APPROVAL

B

26.09.25

PDA

ERA

EGM

ISSUED FOR ADEQUACY REVIEW

A

18.08.25

PDA

ERA

EGM

DRAFT FEED ISSUE

Issue

Date

By

Chkd

Appd

Client

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Engineering Certification (CEng)

Name:

Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

AS SHOWN

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Drawing Title

STORMWATER LONGITUDINAL SECTIONS SHEET 13

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1653

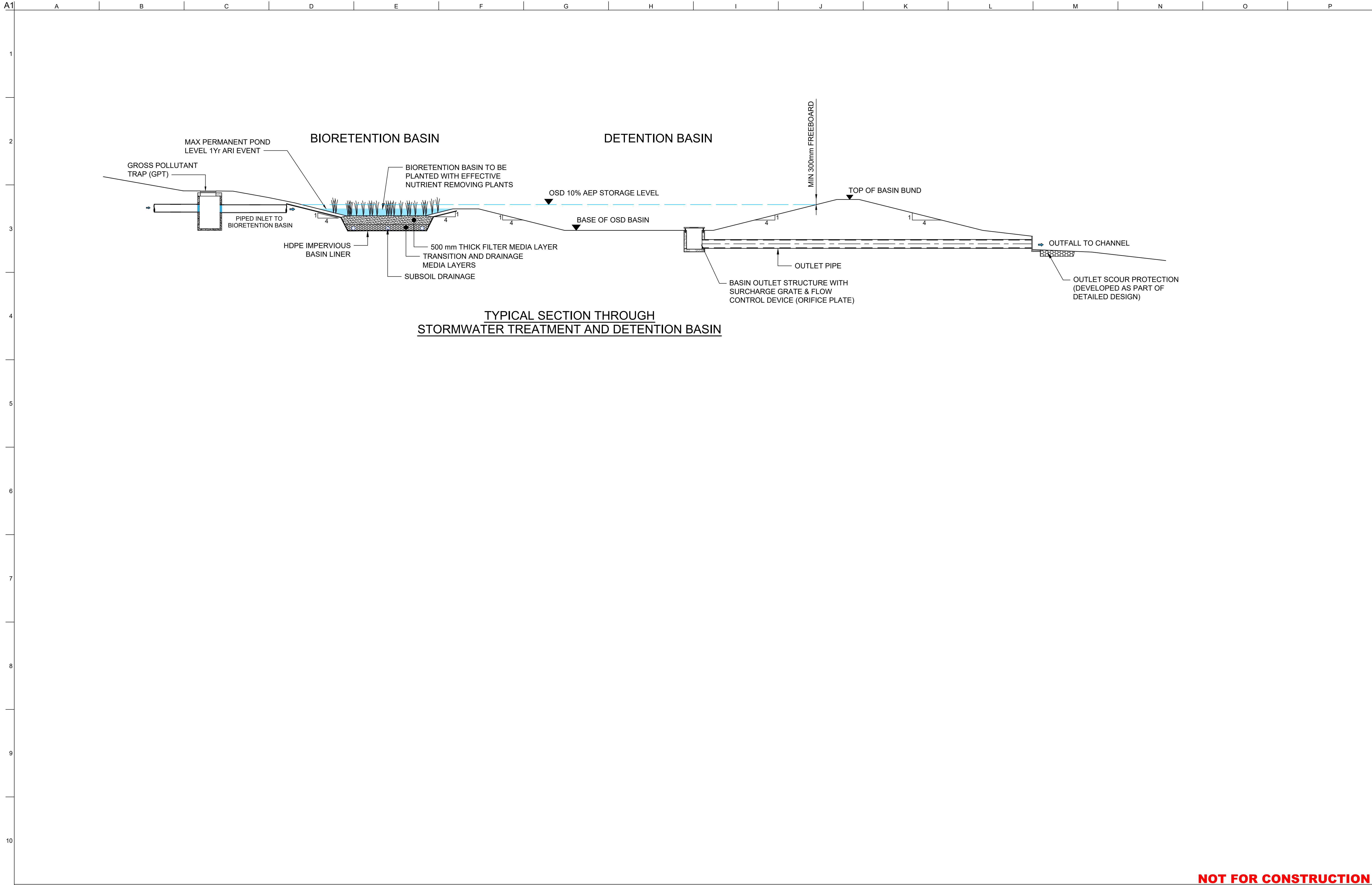
Issue

C

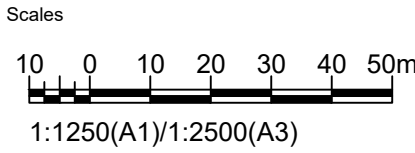
NOT FOR CONSTRUCTION

Do not scale

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NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

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Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

1:1000mm

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Drawing Title

STORMWATER MISCELLANEOUS DETAILS

Drawing Status

FOR APPROVAL

Job No

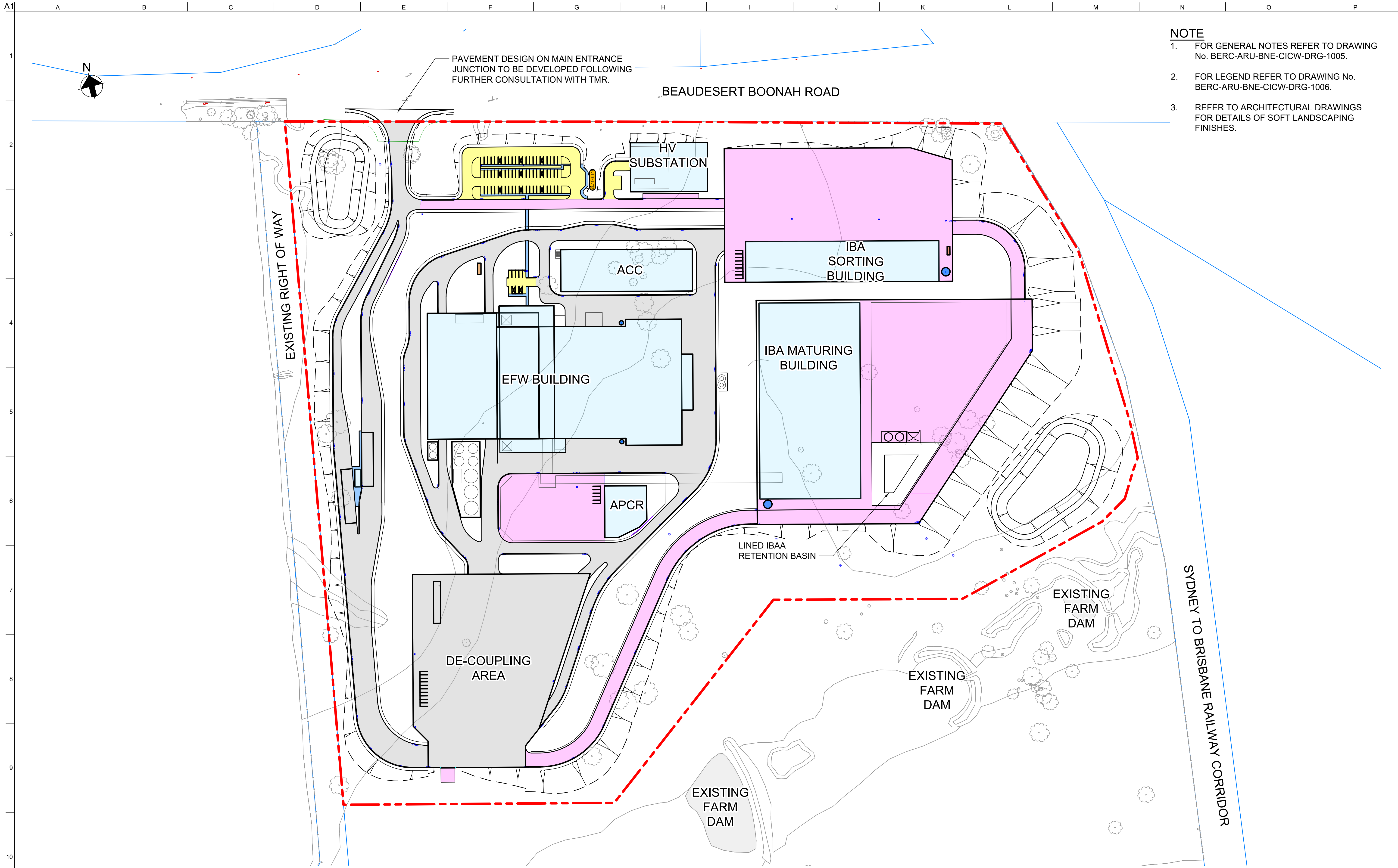
293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1691

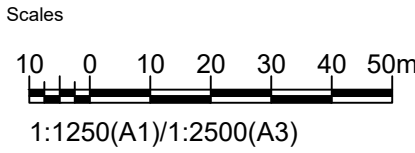
Issue

C



- NOTE**
- 1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - 2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 - 3. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF SOFT LANDSCAPING FINISHES.

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

E	27.07.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

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Name: _____ Date: _____

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Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:1250m

Discipline **CIVIL**

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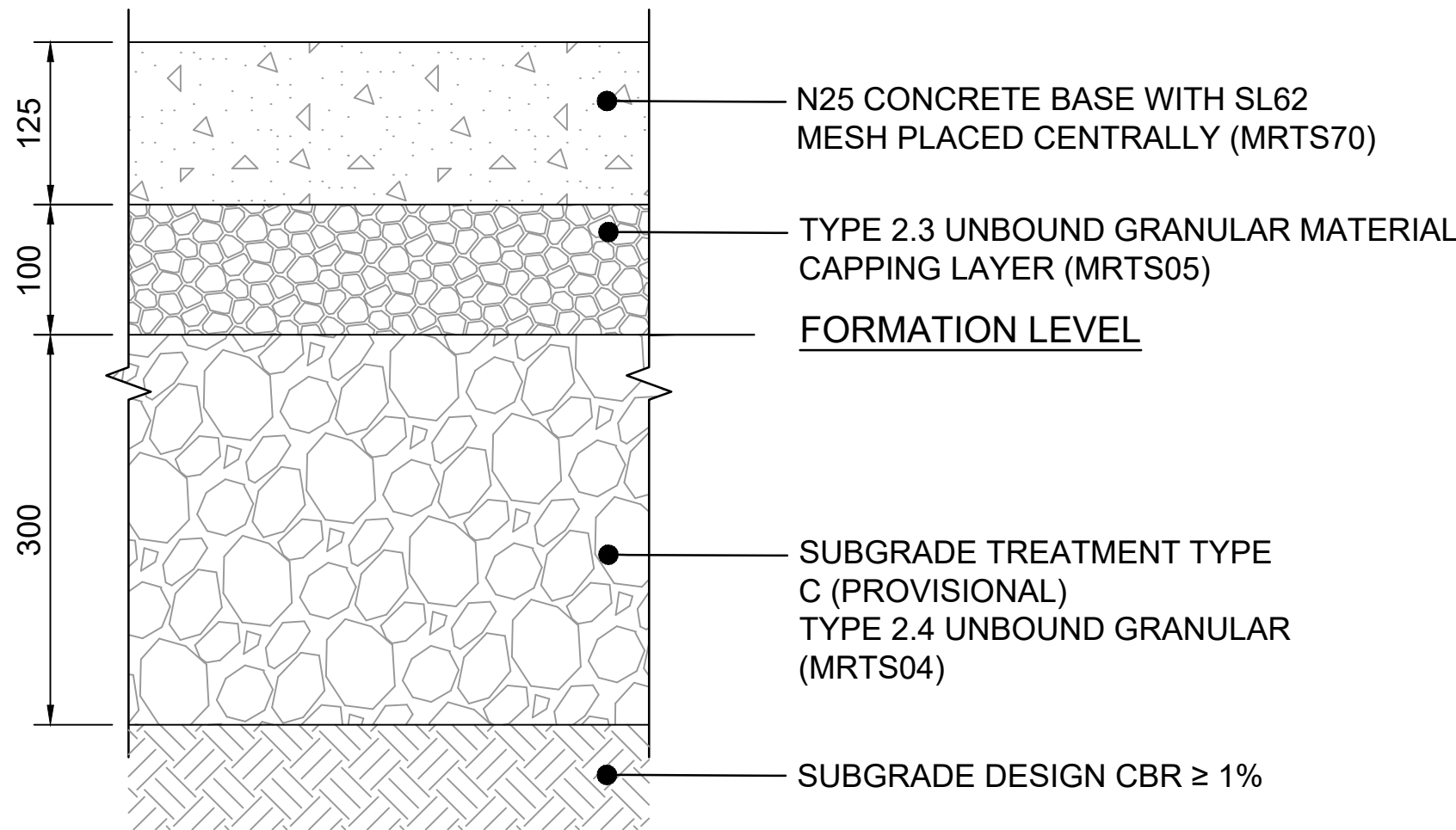
Drawing Title

PAVEMENT PLAN

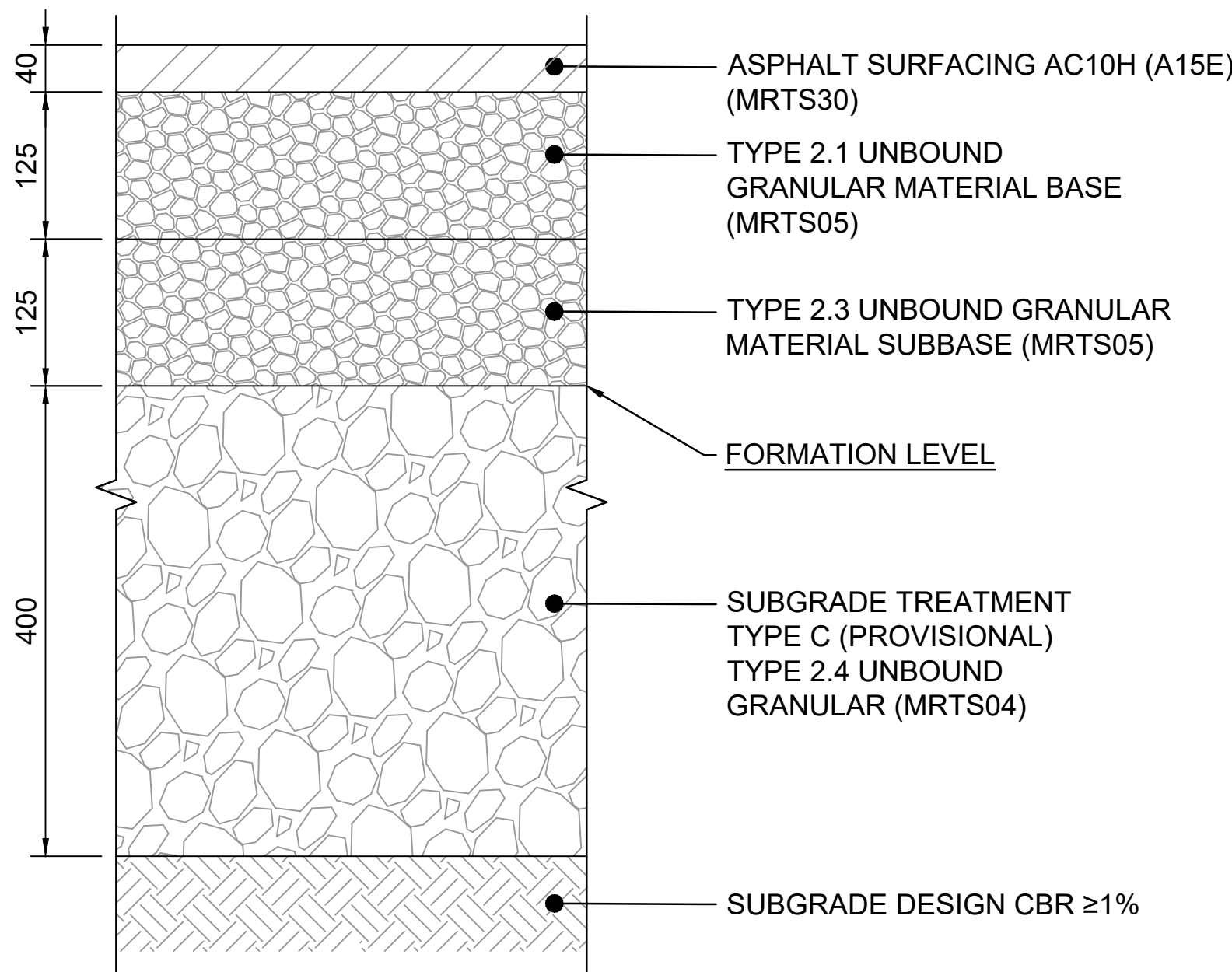
Drawing Status

FOR APPROVAL

Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1700	D



RP2 - JOINTED REINFORCED CONCRETE PAVEMENT (JRCP) FOOTPATH



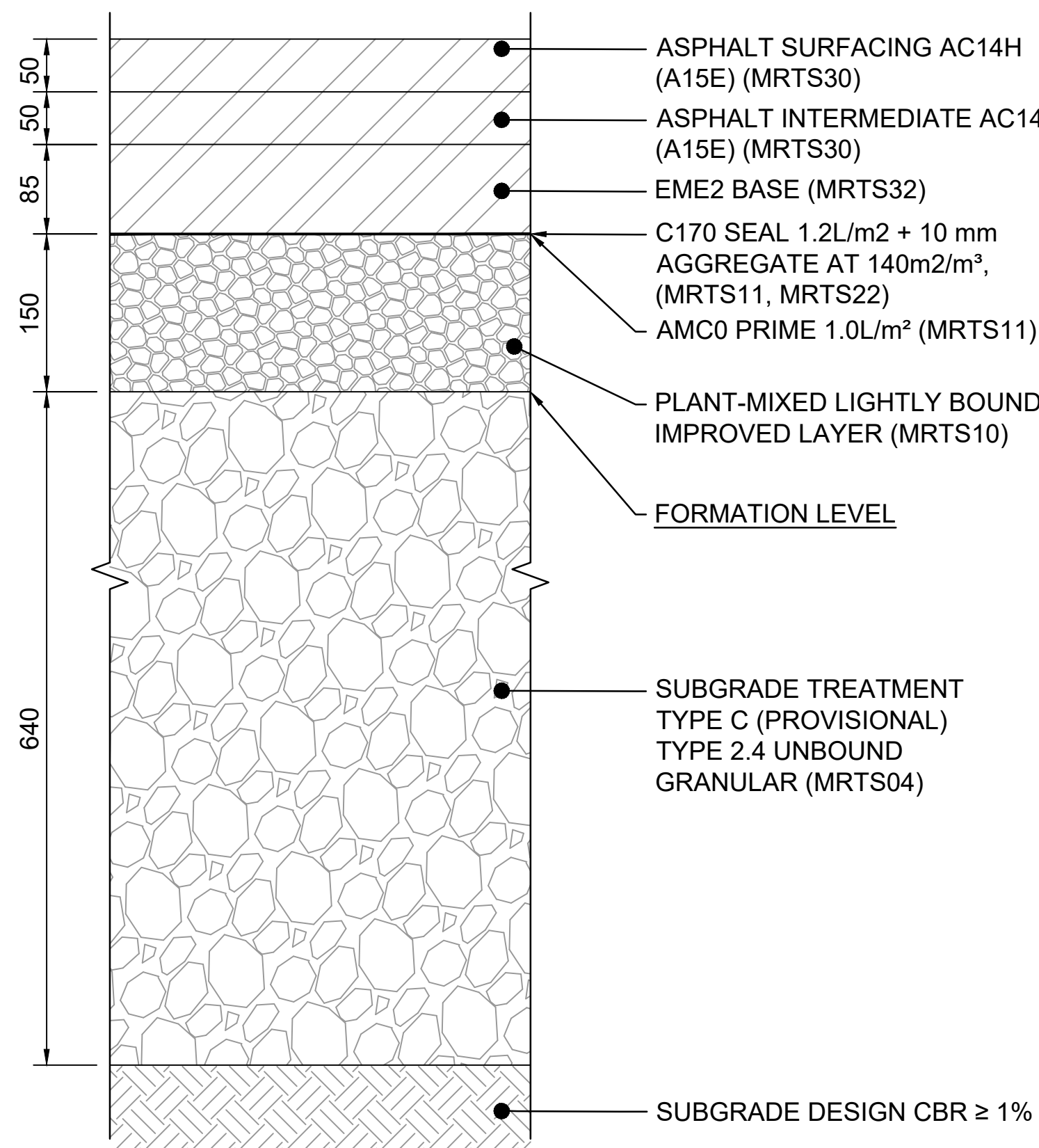
FP1 - GRANULAR PAVEMENT WITH THIN ASPHALT SURFACING (CARPARK)

NOTES:

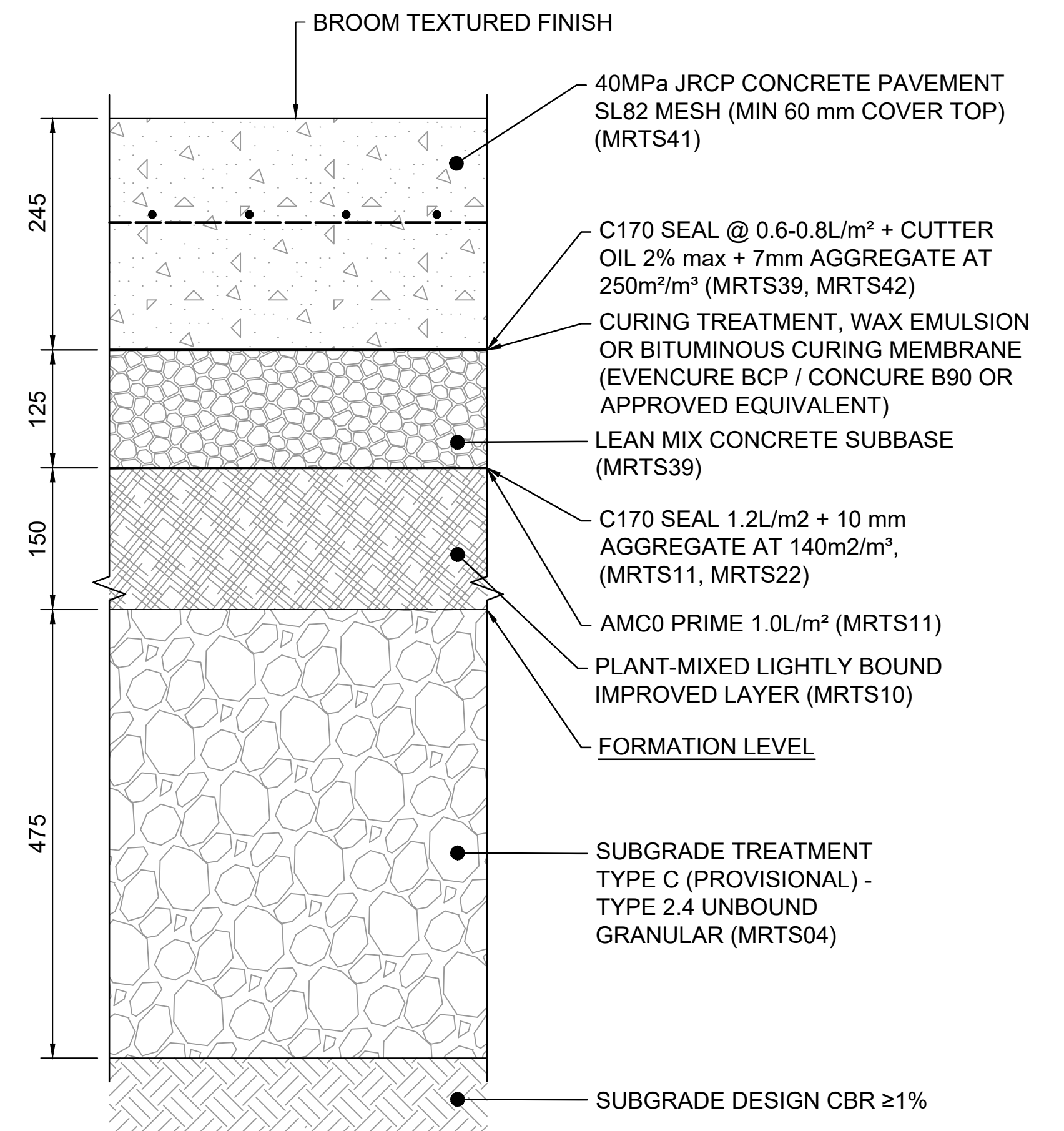
1. EARTHWORKS AND SUBGRADE PREPARATION TO BE IN ACCORDANCE WITH MRTS04.
2. THE SUBGRADE WILL BE VERIFIED IN ACCORDANCE WITH MRTS04.
3. SUB-SURFACE DRAINAGE BELOW LOW AND HIGH SIDE OF KERBS & CHANNELS TO BE PROVIDED. EXACT DETAILS TO BE INCLUDED WITHIN DETAILED DESIGN.
4. DESIGNS ARE BASED ON THE SUBGRADE ACHIEVING A CBR OF 3% AS PER SECTION 6.9 OF DOUGLAS PARTNERS REPORT ON GEOTECHNICAL INVESTIGATION, BROMELTON ENERGY & RESOURCES CENTRE (BERC), AUGUST 2023.
5. SUBGRADE TREATMENT IS RECOMMENDED FOR USE WHERE 97% COMPACTION OR THE PROOF ROLLING REQUIREMENTS STIPULATED WITHIN MRTS04 ARE NOT MET. APPROPRIATE SUBGRADE TREATMENT TYPE MAY BE VARIED AS DIRECTED BY THE ADMINISTRATOR. SUBGRADE TREATMENTS ALLOWED FOR IN THIS CONTRACT INCLUDE:
 - SUBGRADE TREATMENT TYPE C - 150-400 mm TYPE 2.4 UNBOUND.
 - SUBGRADE TREATMENT TYPE E - 150-250 mm LIGHTLY BOUND BASE.
 - SUBGRADE TREATMENT TYPE J - 300 mm GEOTEXTILE WRAPPED ROCK FILL LAYER.
6. SUBGRADE CBR %TO BE CONFIRMED VIA 4-DAY SOAKED CBRs AND DCPs TO 1.5 m DEPTH BELOW SUBGRADE SURFACE LEVEL PRIOR TO CONSTRUCTION (REFER TO MRTS04 APPENDIX A).
7. JOINTED REINFORCED CONCRETE PAVEMENT JOINTS SHALL BE IN ACCORDANCE WITH THE TRANSPORT FOR NEW SOUTH WALES JRCP STANDARD DRAWINGS.
8. PAVEMENT SUBSOIL DRAINAGE DESIGNS TO BE DEVELOPED AS PART OF FUTURE DESIGN STAGES IN ACCORDANCE WITH REQUIREMENTS OF PART 10: SUBSURFACE DRAINAGE OF THE AUSTRROADS GUIDE TO PAVEMENT TECHNOLOGY.

FOOTPATH NOTES

1. CONCRETE FOOTPATH SURFACE TO BE NON-SLIP TO AS 4586 (SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS).
2. CONCRETE PAVEMENT JOINTING SHALL BE IN ACCORDANCE WITH NOTE 5 OF SCENIC RIM COUNCIL STANDARD DRAWING R-13 WHICH HAS MAXIMUM SPACING OF 2.5 m.

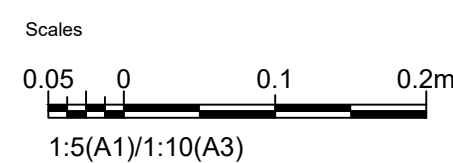


FP2 - FULL DEPTH ASPHALT PAVEMENT (WORKING AREAS)



RP1 - JOINTED REINFORCED CONCRETE PAVEMENT (JRCP)

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

Issue	Date	By	Chkd	Appd

C	16.01.26	PDA	ERA	EGM
ISSUE FOR APPROVAL				
B	26.09.25	PDA	ERA	EGM
ISSUED FOR ADEQUACY REVIEW				
A	18.08.25	PDA	ERA	EGM
DRAFT FEED ISSUE				
Issue	Date	By	Chkd	Appd

Client

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Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:5m

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Drawing Title

PAVEMENT PROFILES SHEET 1

Drawing Status

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Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1791	C