

- 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

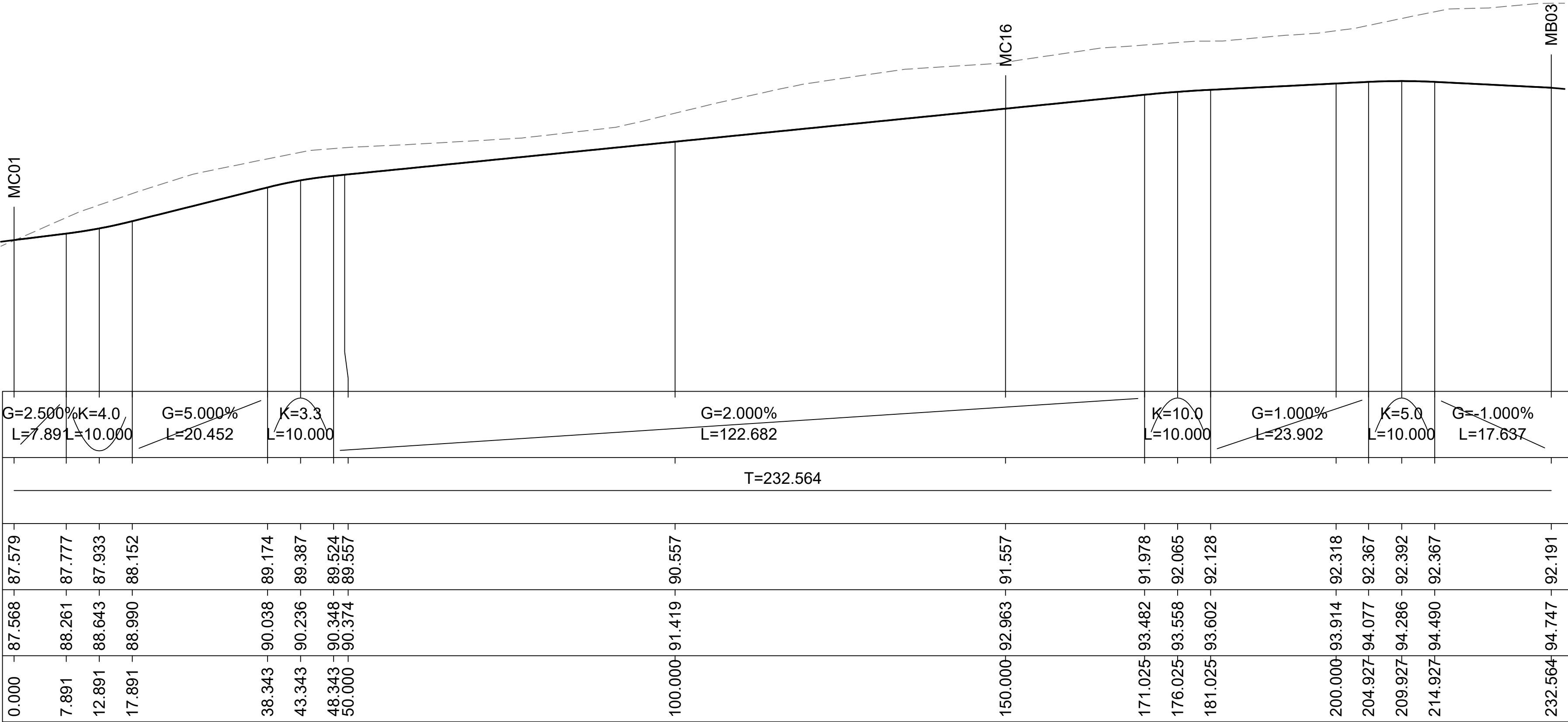
VERTICAL ALIGN.

HORIZONTAL ALIGN.

DESIGN LEVELS

EXISTING LEVELS

CHAINAGE

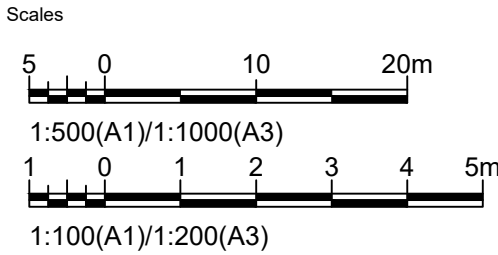


LONGITUDINAL SECTION OF MC15 CONTROL LINE

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
Making a sustainable future possible

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 AS SHOWN

Discipline

CIVIL

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ABN 18 000 966 165

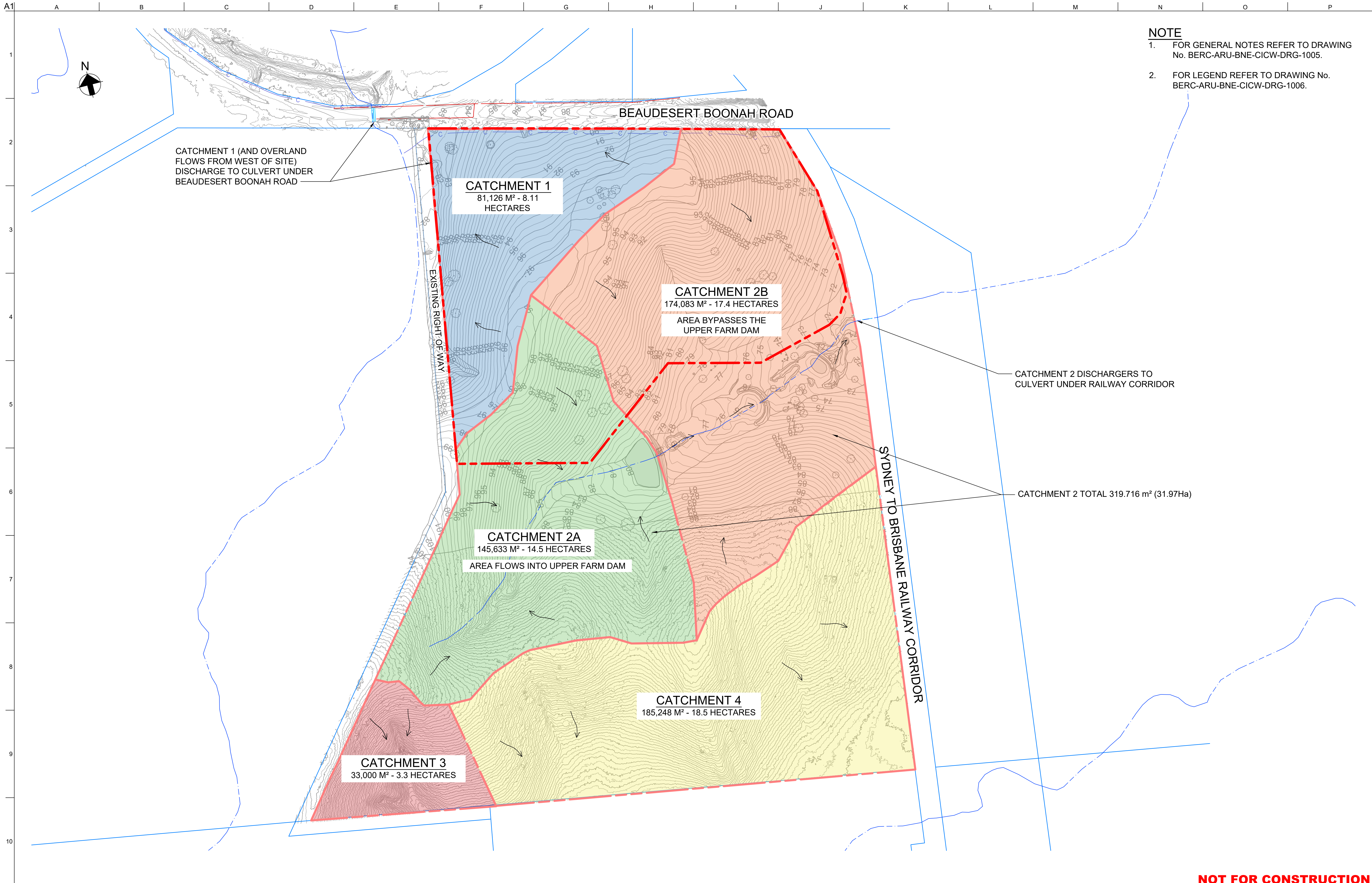
Drawing Title

**CIVIL WORKS
MC15 LONGITUDINAL SECTIONS**

Drawing Status

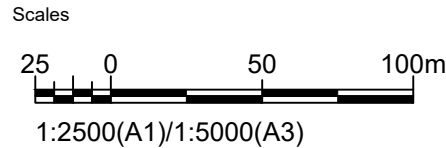
FOR APPROVAL

Job No **293683-00** Drawing No **BERC-ARU-BNE-CICW-DRG-1356** Issue **C**



- 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.

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

1:2500m

Discipline

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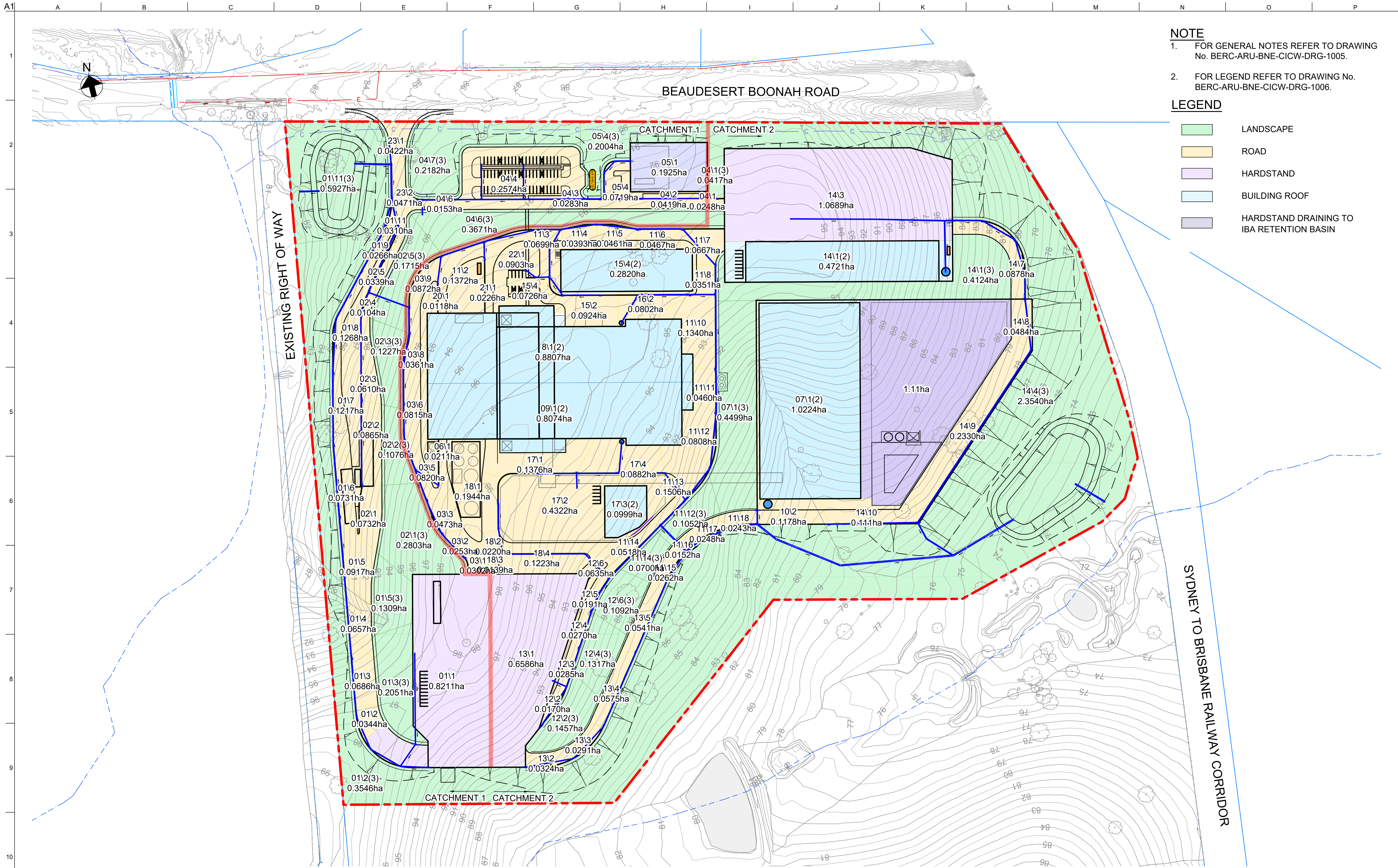
Drawing Title

**STORMWATER
PRE - DEVELOPMENT CATCHMENT - PLAN**

Drawing Status

FOR APPROVAL

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

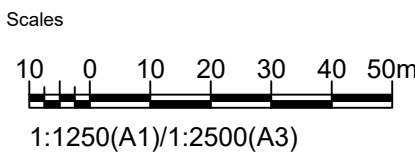


- NOTE**
- FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.

LEGEND

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

NOT FOR CONSTRUCTION



Issue	Date	By	Chkd	Appd

D	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

CLEANAWAY
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Engineering Certification (CEng)

Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1: 1:1250mm

Discipline: CIVIL

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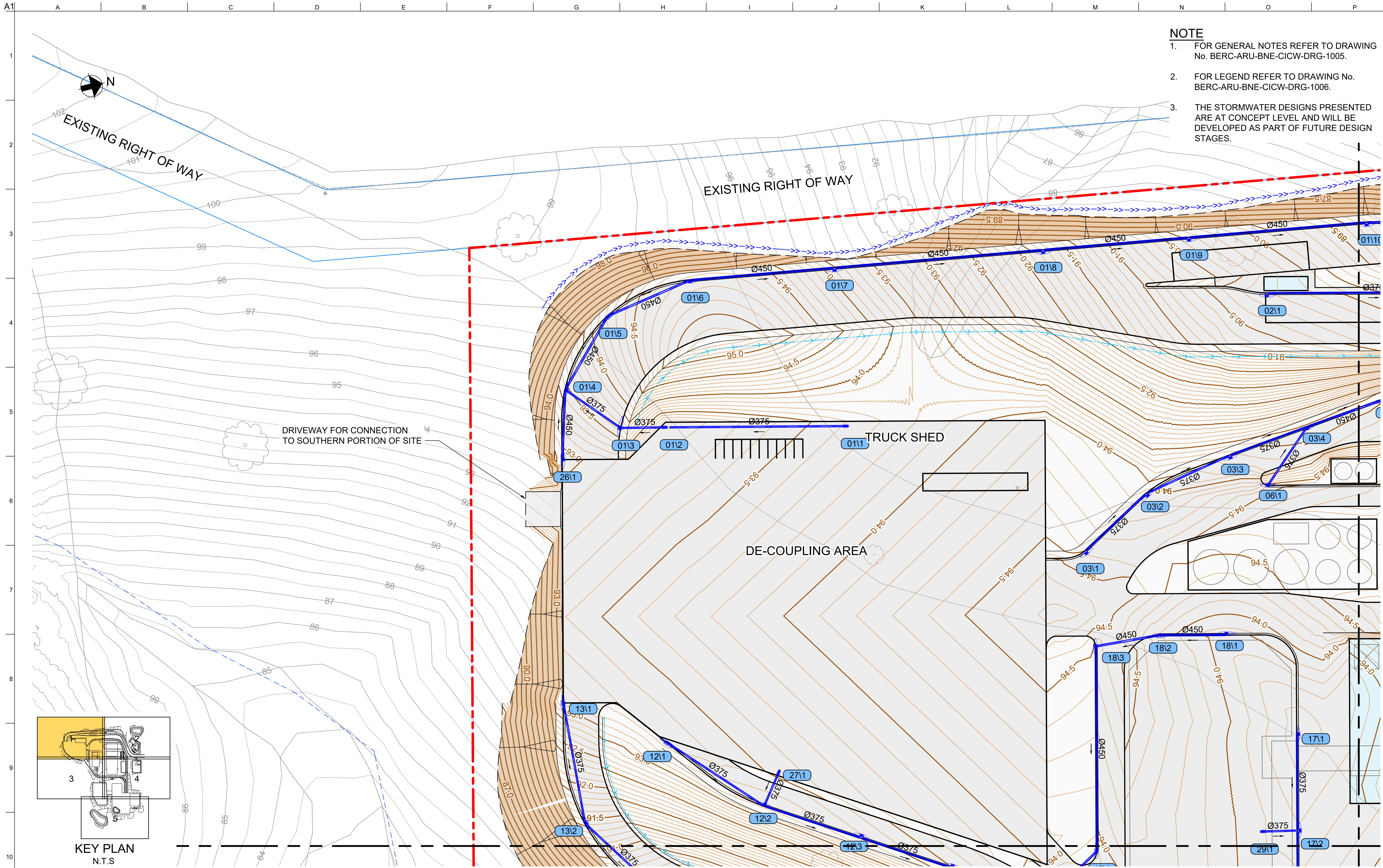
Drawing Title

STORMWATER PROPOSED CATCHMENT - PLAN

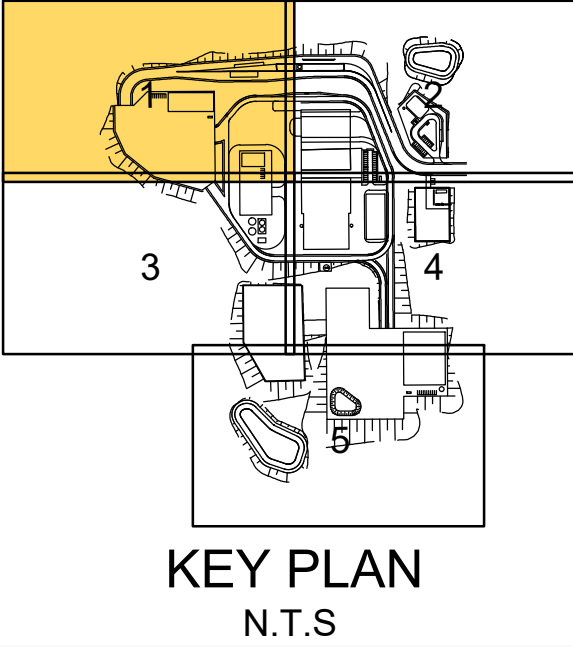
Drawing Status

FOR APPROVAL

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



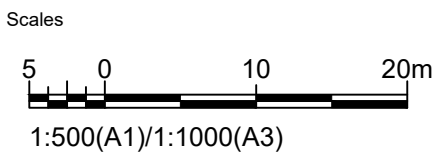
- NOTE**
- 1. FOR GENERAL NOTES REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1005.
 - 2. FOR LEGEND REFER TO DRAWING No. BERC-ARU-BNE-CICW-DRG-1006.
 - 3. THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.



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

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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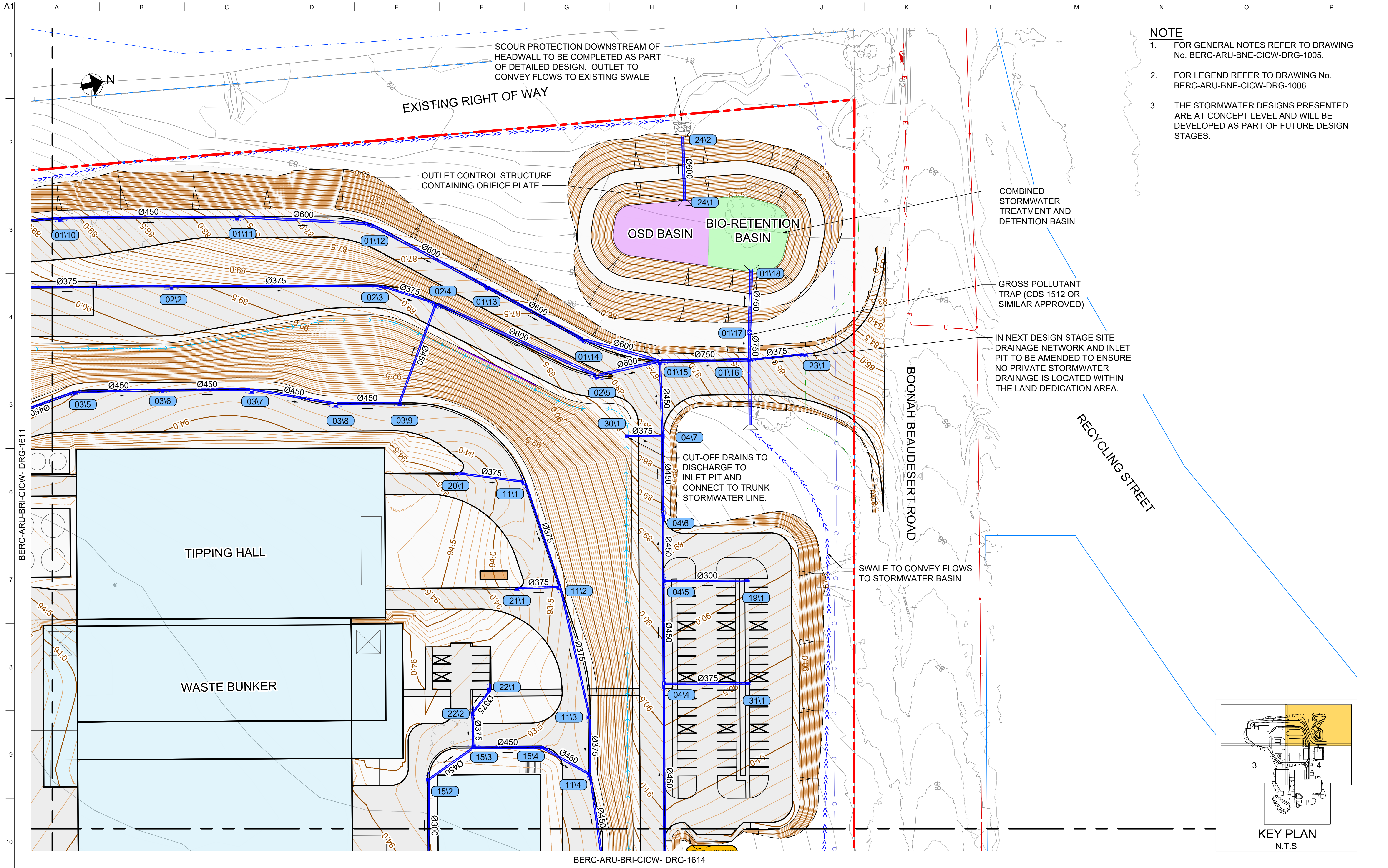
Drawing Title

STORMWATER PLAN SHEET 1

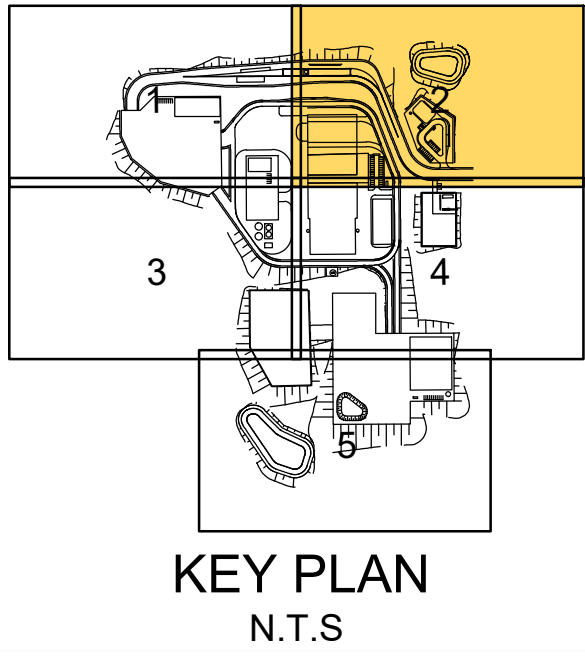
Drawing Status

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				

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

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Picking is sustainable future possible

Engineering Certification (CEng)

Name: _____ Date: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:500m

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ABN 18 000 966 165

Drawing Title

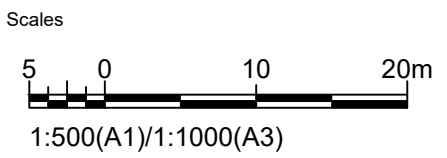
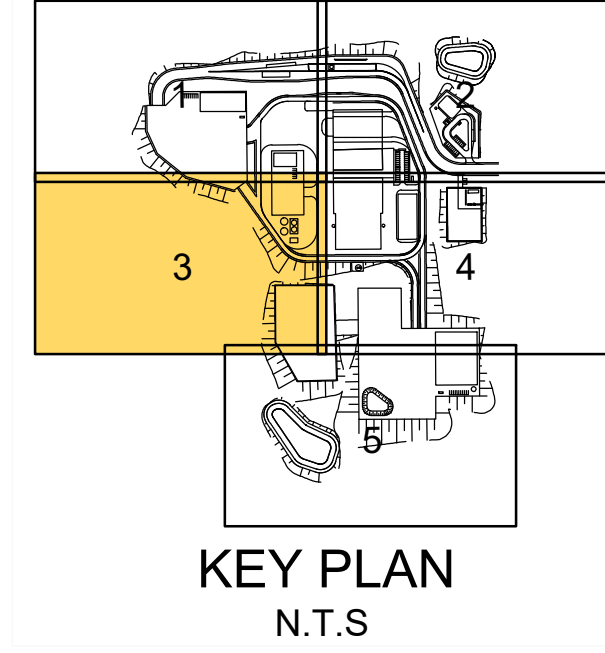
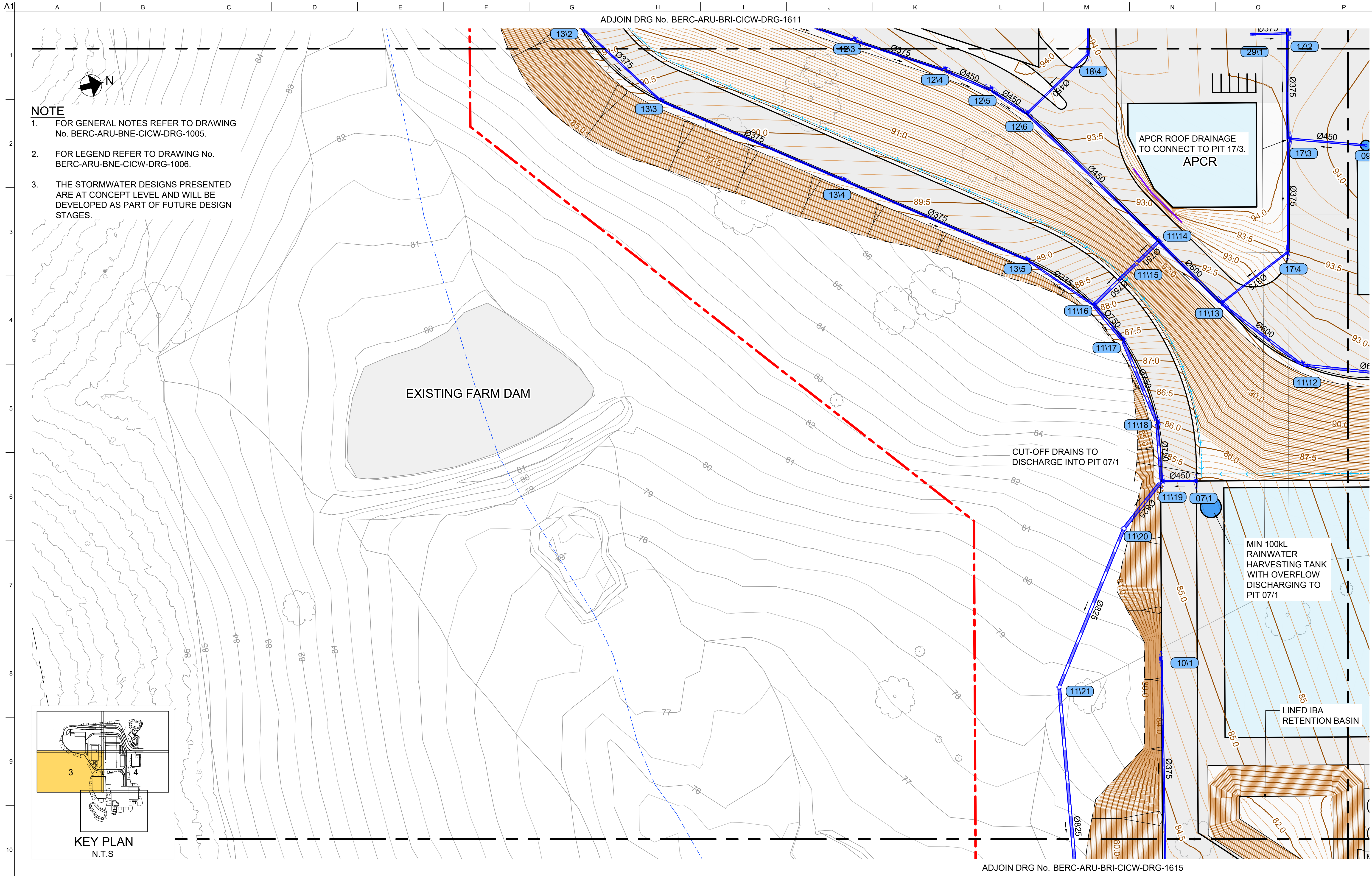
STORMWATER PLAN SHEET 2

Drawing Status

FOR APPROVAL

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

NOT FOR CONSTRUCTION



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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ABN 18 000 966 165

Drawing Title

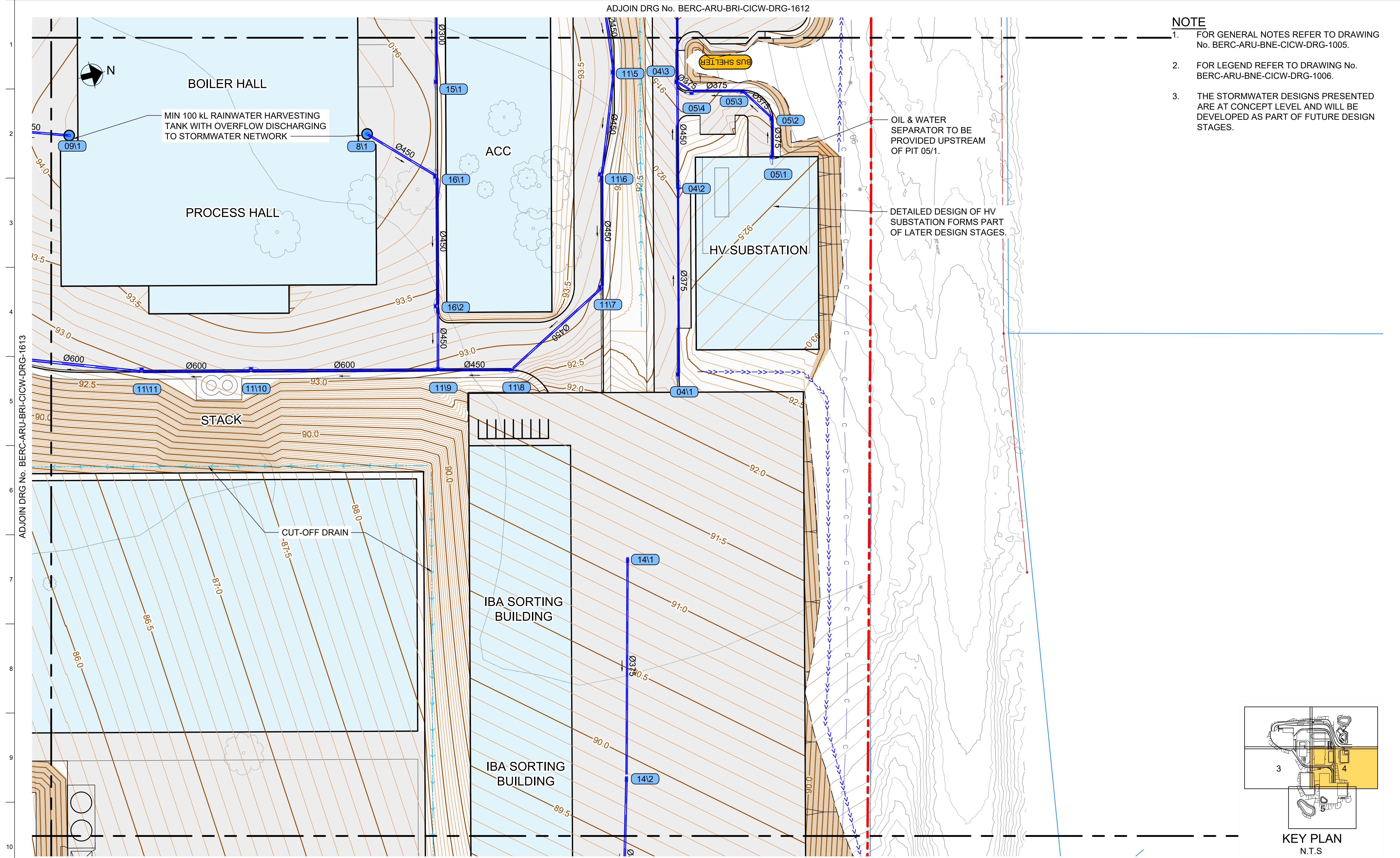
STORMWATER PLAN SHEET 3

Drawing Status

FOR APPROVAL

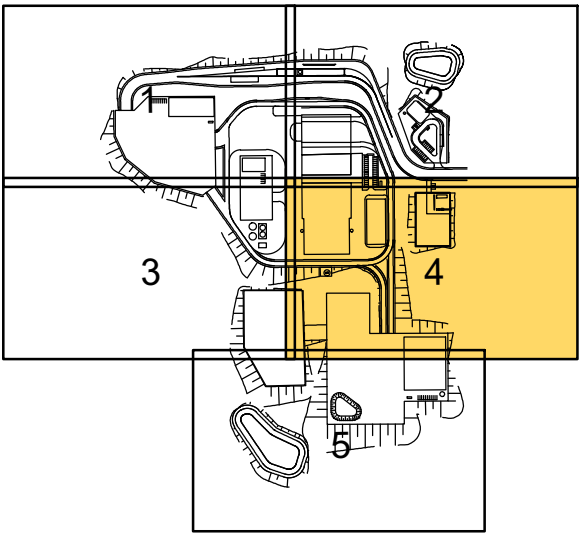
Job No: **293683-00** Drawing No: **BERC-ARU-BNE-CICW-DRG-1613** Issue: **C**

NOT FOR CONSTRUCTION



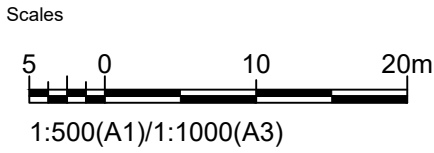
NOTE

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.
3. THE STORMWATER DESIGNS PRESENTED ARE AT CONCEPT LEVEL AND WILL BE DEVELOPED AS PART OF FUTURE DESIGN STAGES.



KEY PLAN
N.T.S

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

1:500m

Discipline

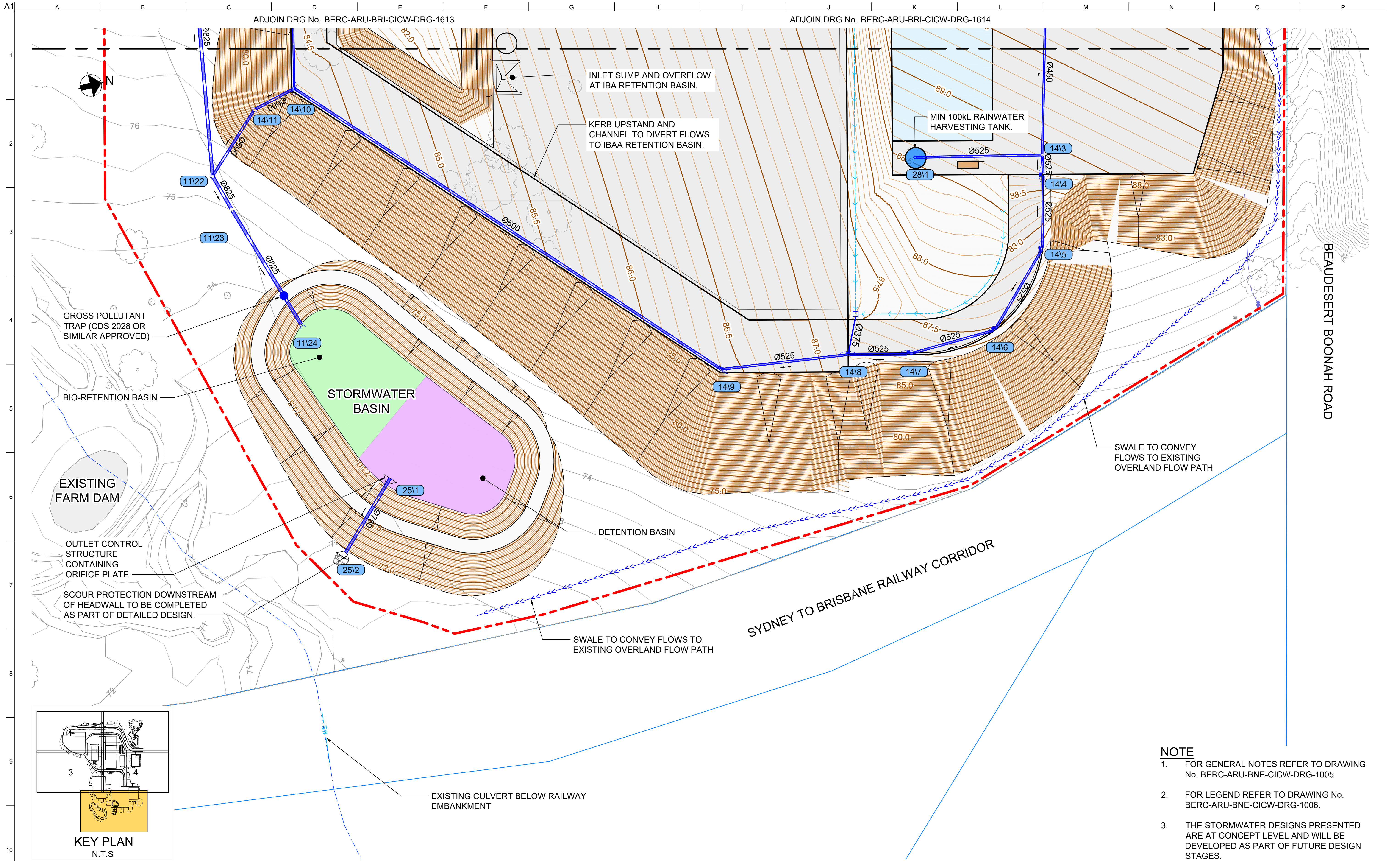
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Drawing Title		
STORMWATER PLAN SHEET 4		
Drawing Status		
FOR APPROVAL		
Job No	Drawing No	Issue
293683-00	BERC-ARU-BNE-CICW-DRG-1614	C



- 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.
 - 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: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:500m

Discipline CIVIL

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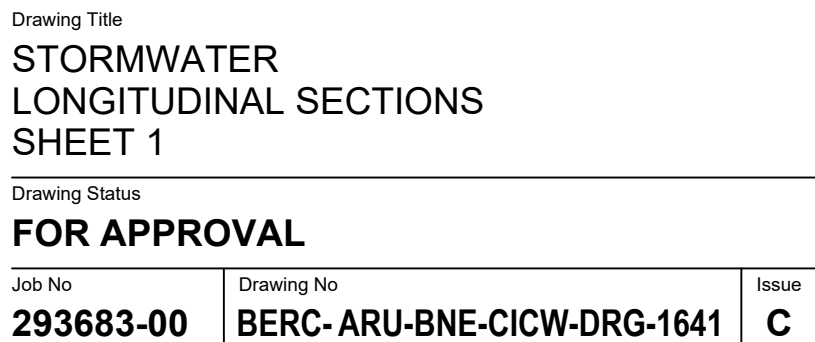
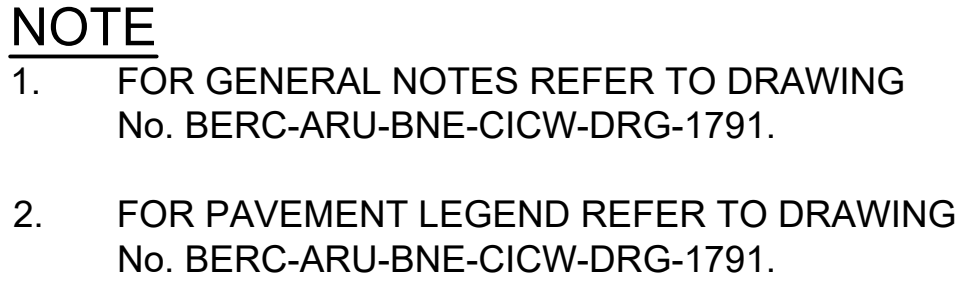
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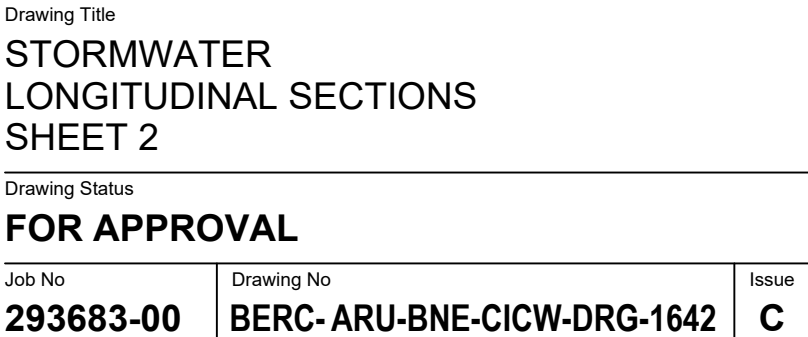
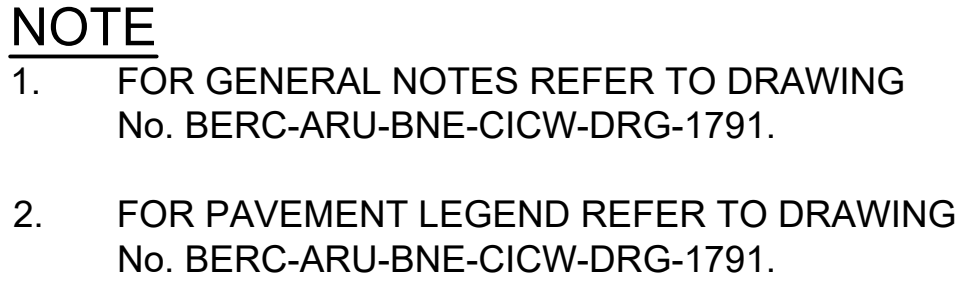
STORMWATER PLAN SHEET 5

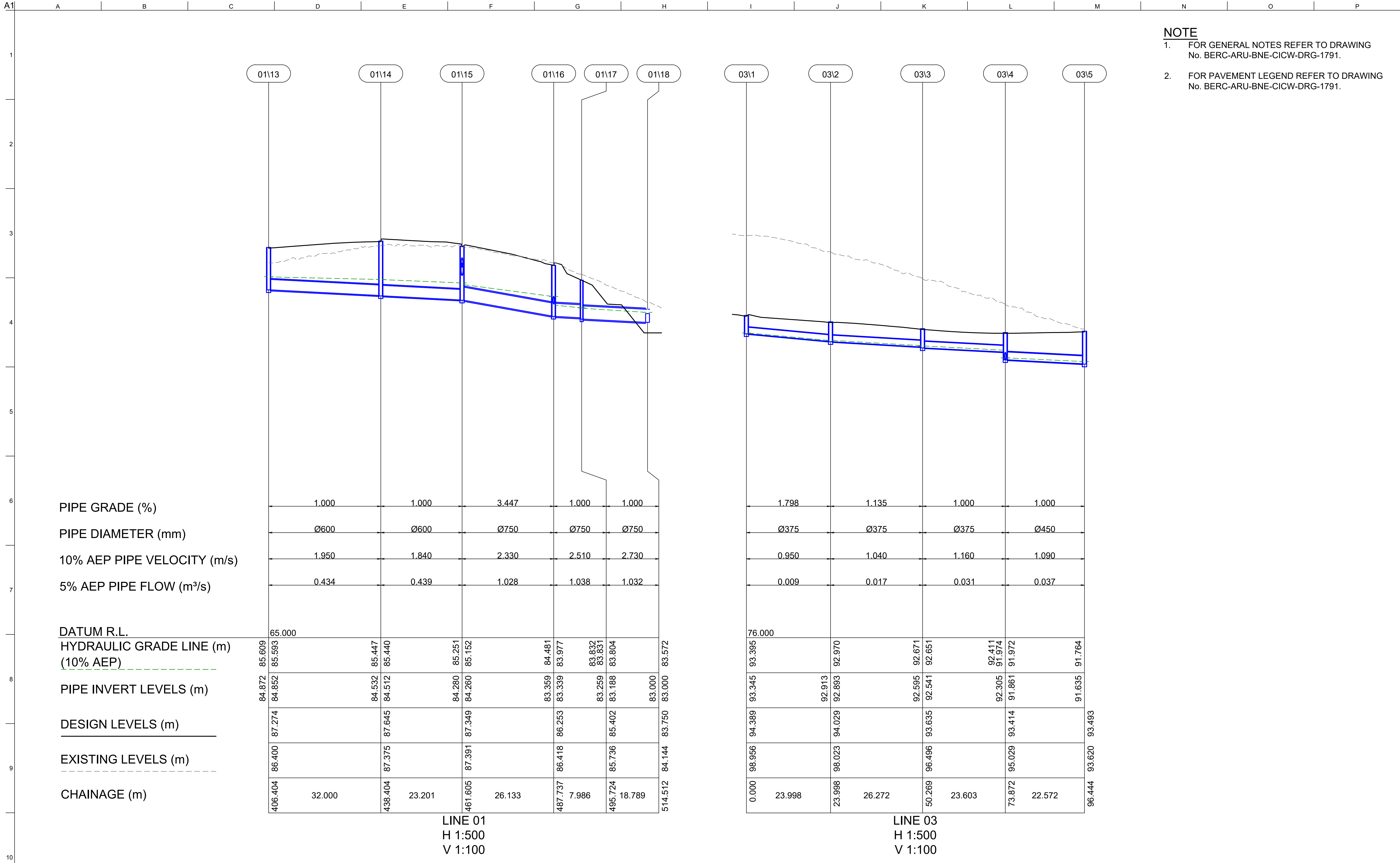
Drawing Status

FOR APPROVAL

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







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

C16.01.26PDAERAEGM

ISSUE FOR APPROVAL

B26.09.25PDAERAEGM

ISSUED FOR ADEQUACY REVIEW

A18.08.25PDAERAEGM

DRAFT FEED ISSUE

Issue

Date

By

Chkd

Appd

Client

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Name: _____

Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND
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Scale at A1AS SHOWN

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Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 3

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC- ARU-BNE-CICW-DRG-1643

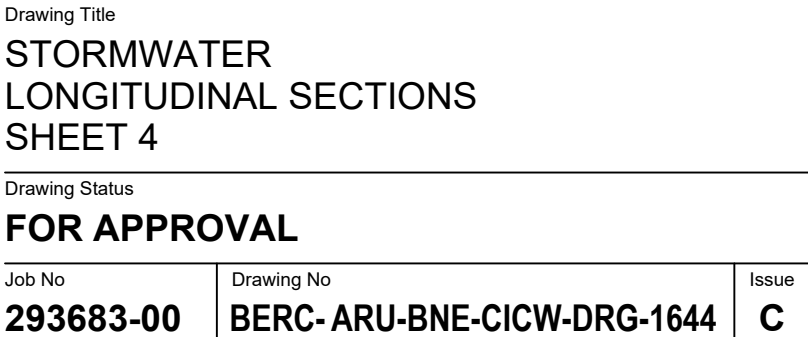
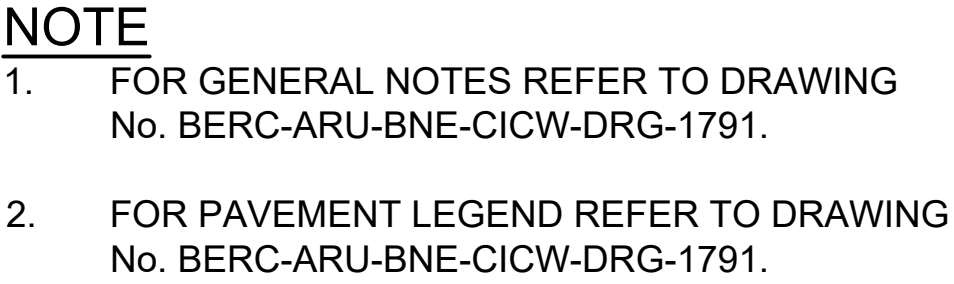
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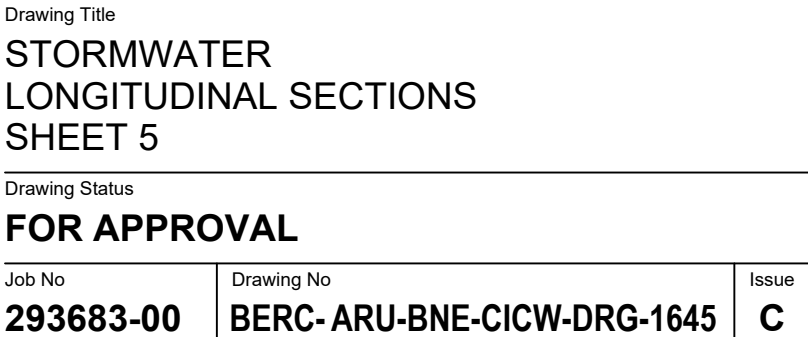
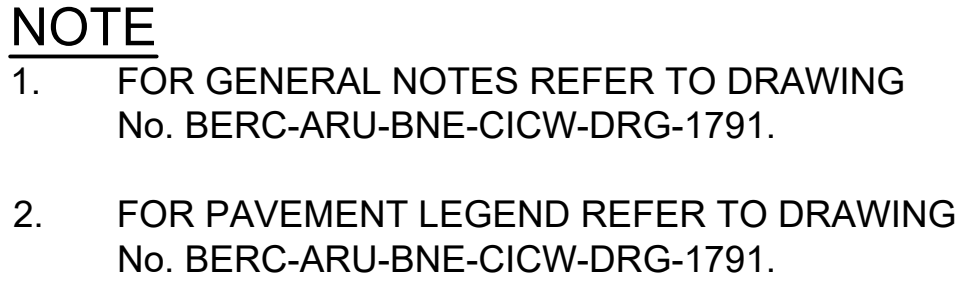
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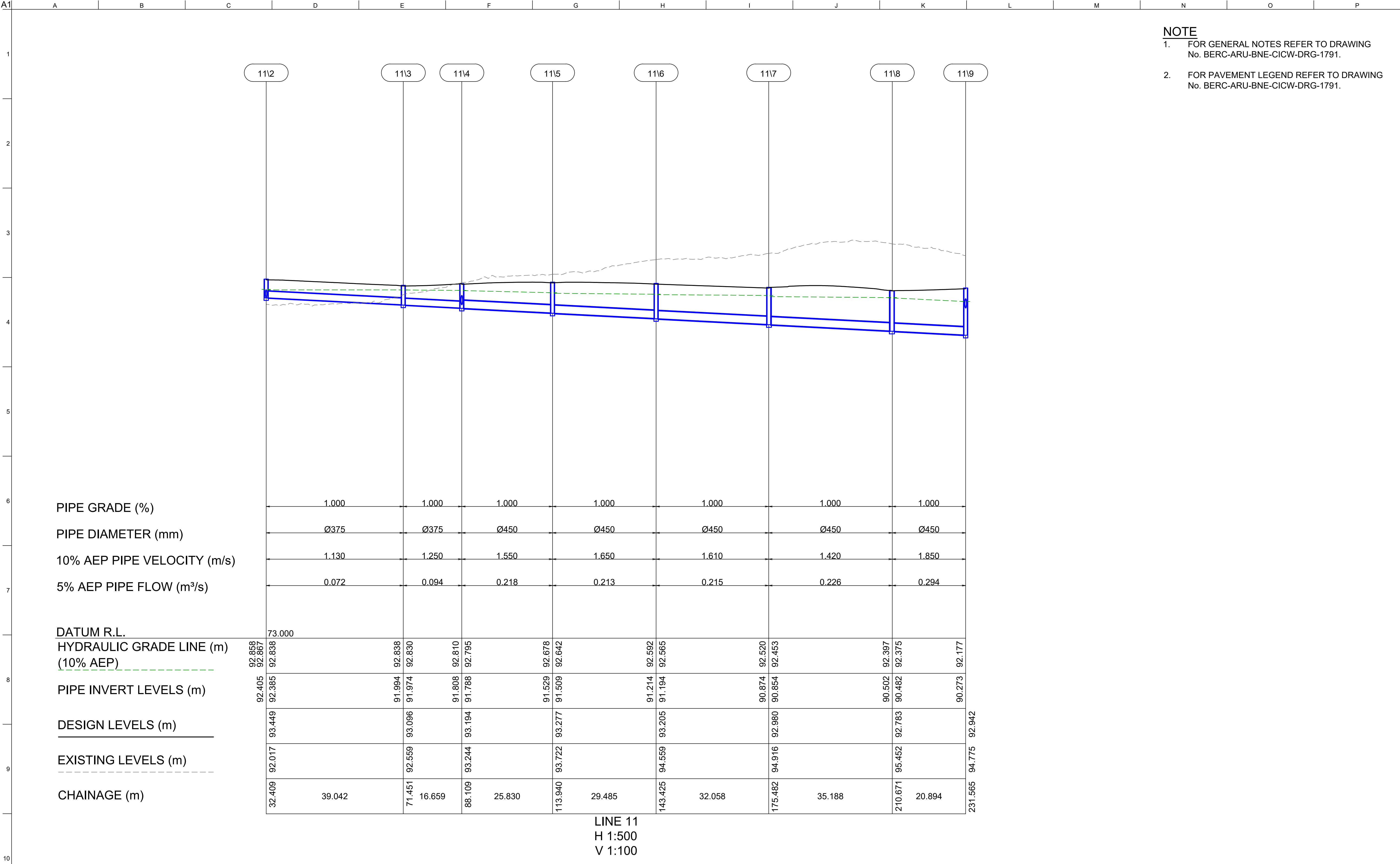
NOT FOR CONSTRUCTION

Do not scale

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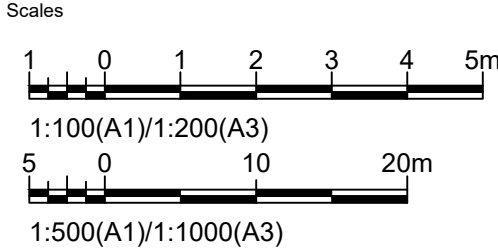




- NOTE
1.

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.



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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Signature: _____ Date: _____

Job Title

BROMELTON ENERGY AND
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Scale at A1

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Drawing Title

STORMWATER
LONGITUDINAL SECTIONS
SHEET 6

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1646

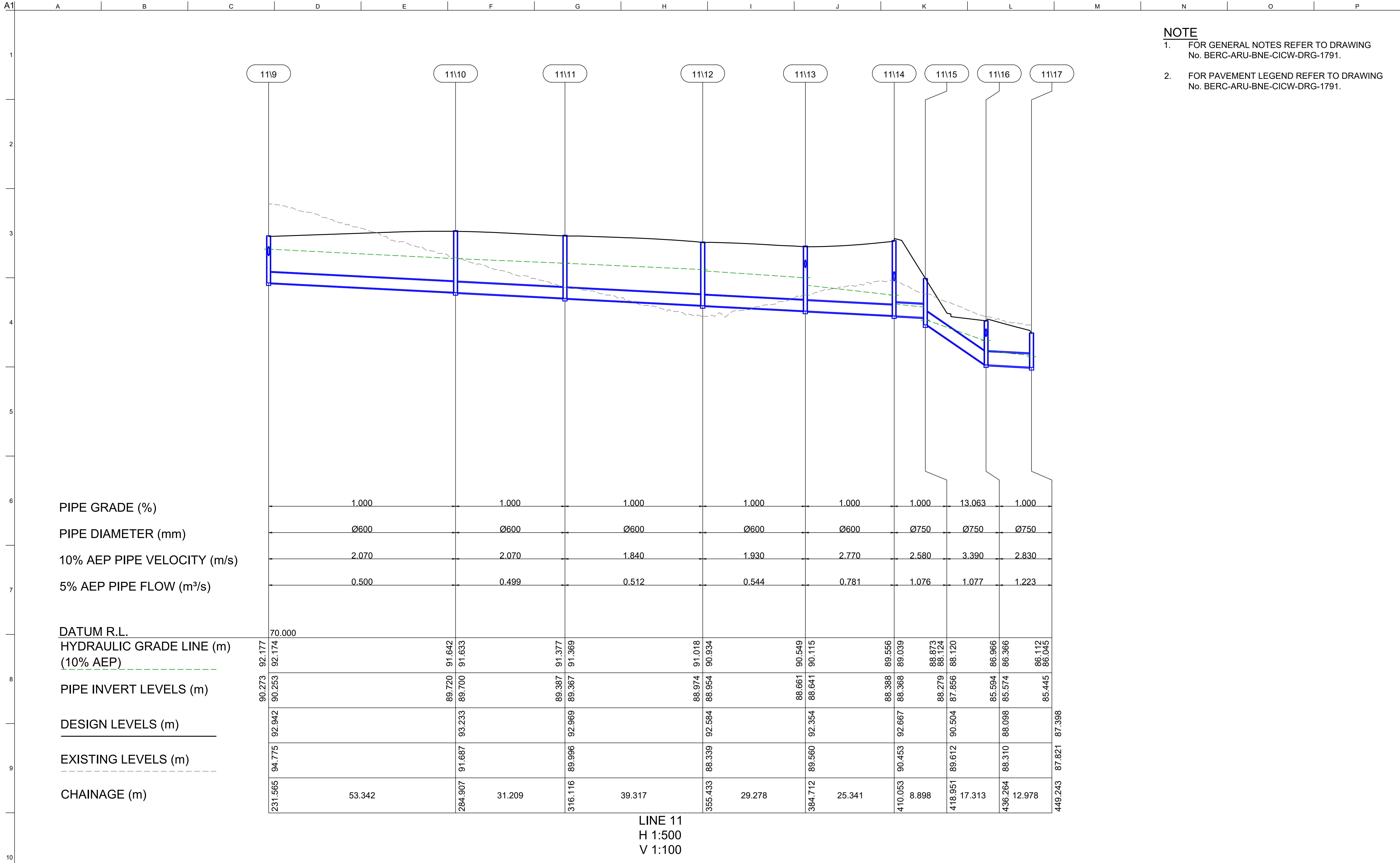
Issue

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

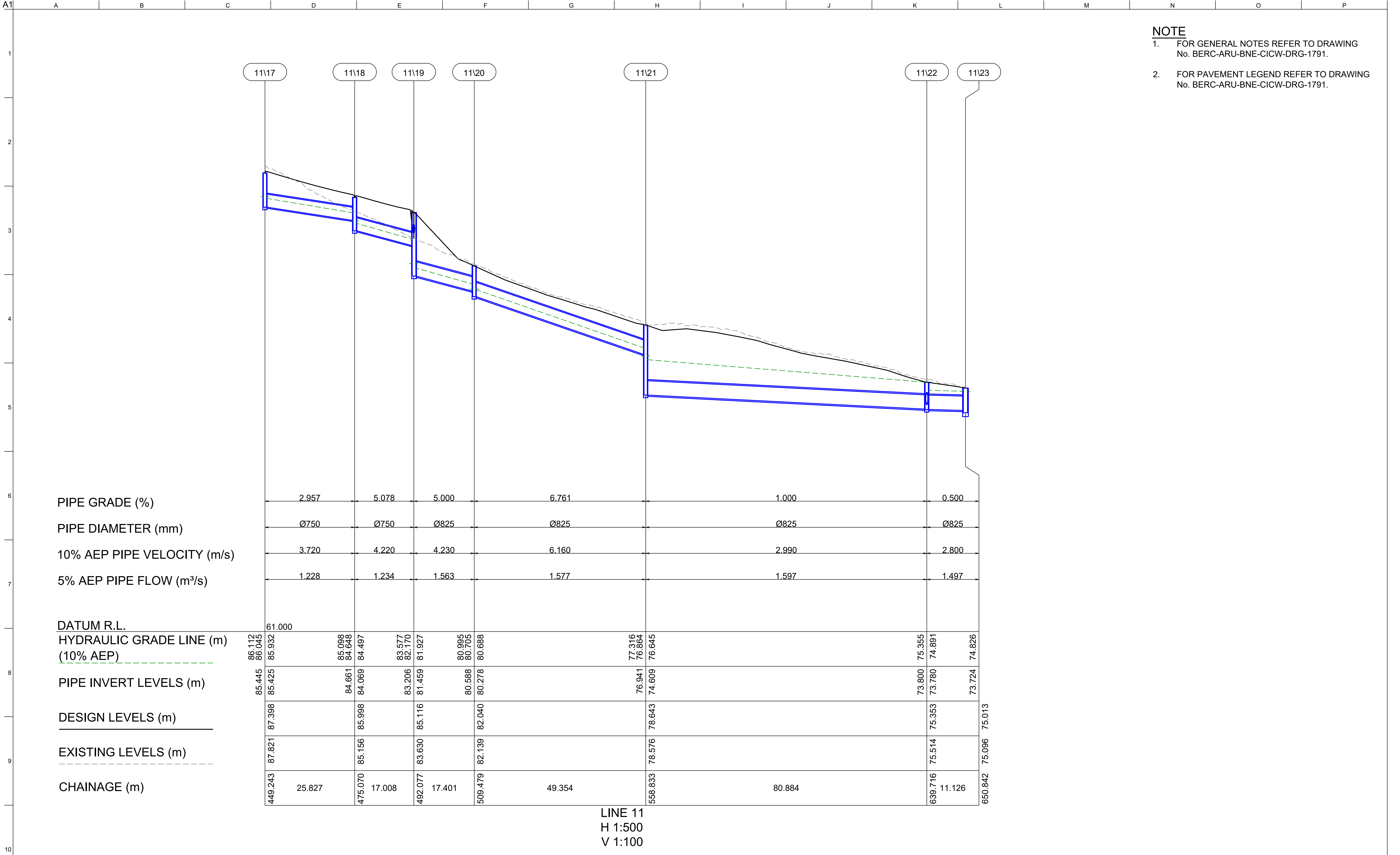
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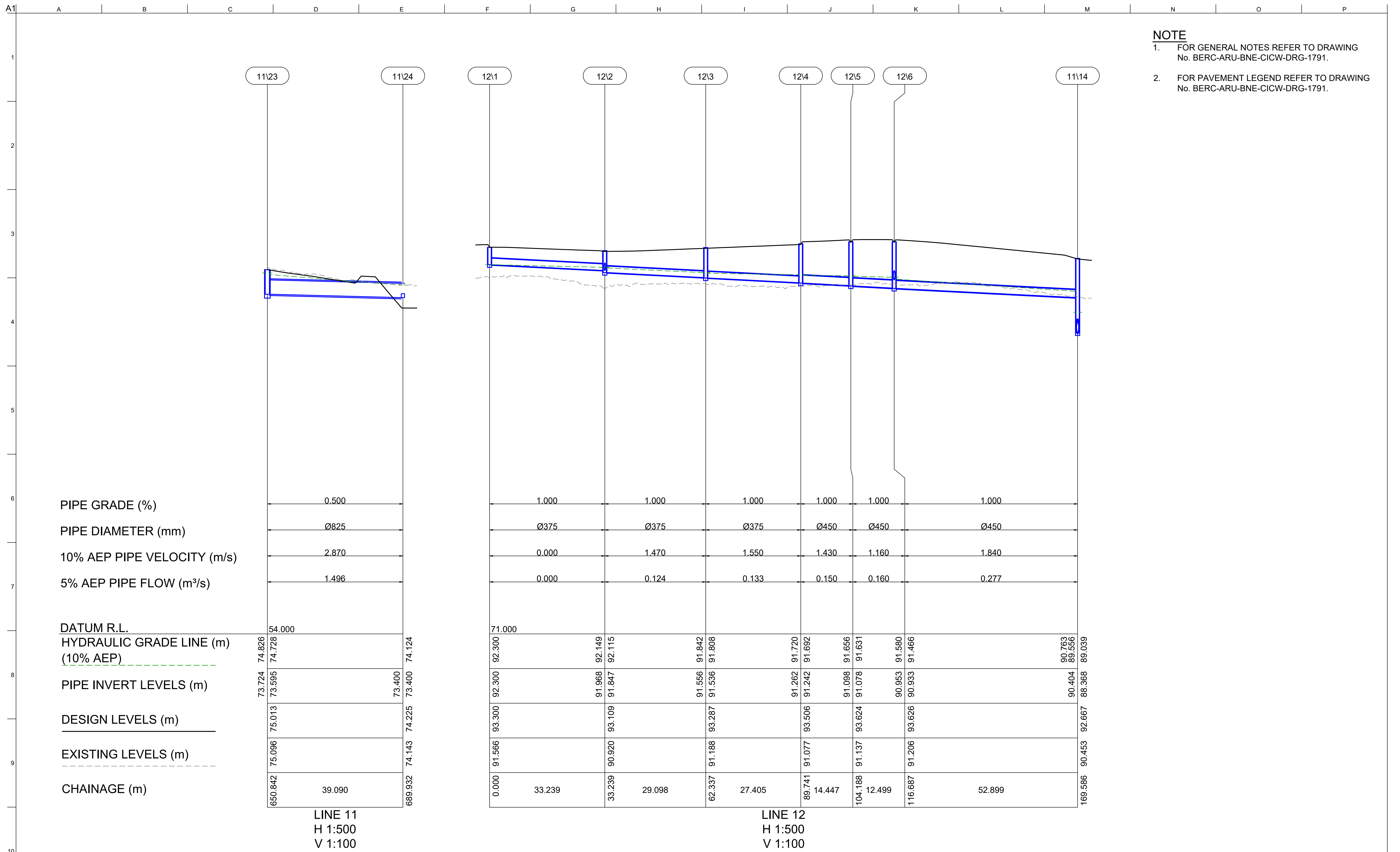
C

NOT FOR CONSTRUCTION

Do not scale

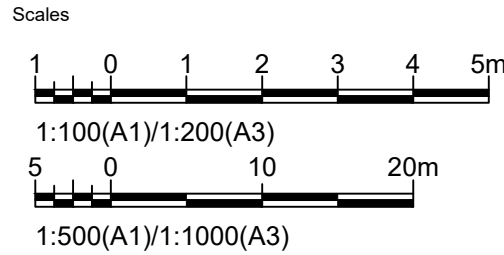
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NOTE

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][illegible]

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

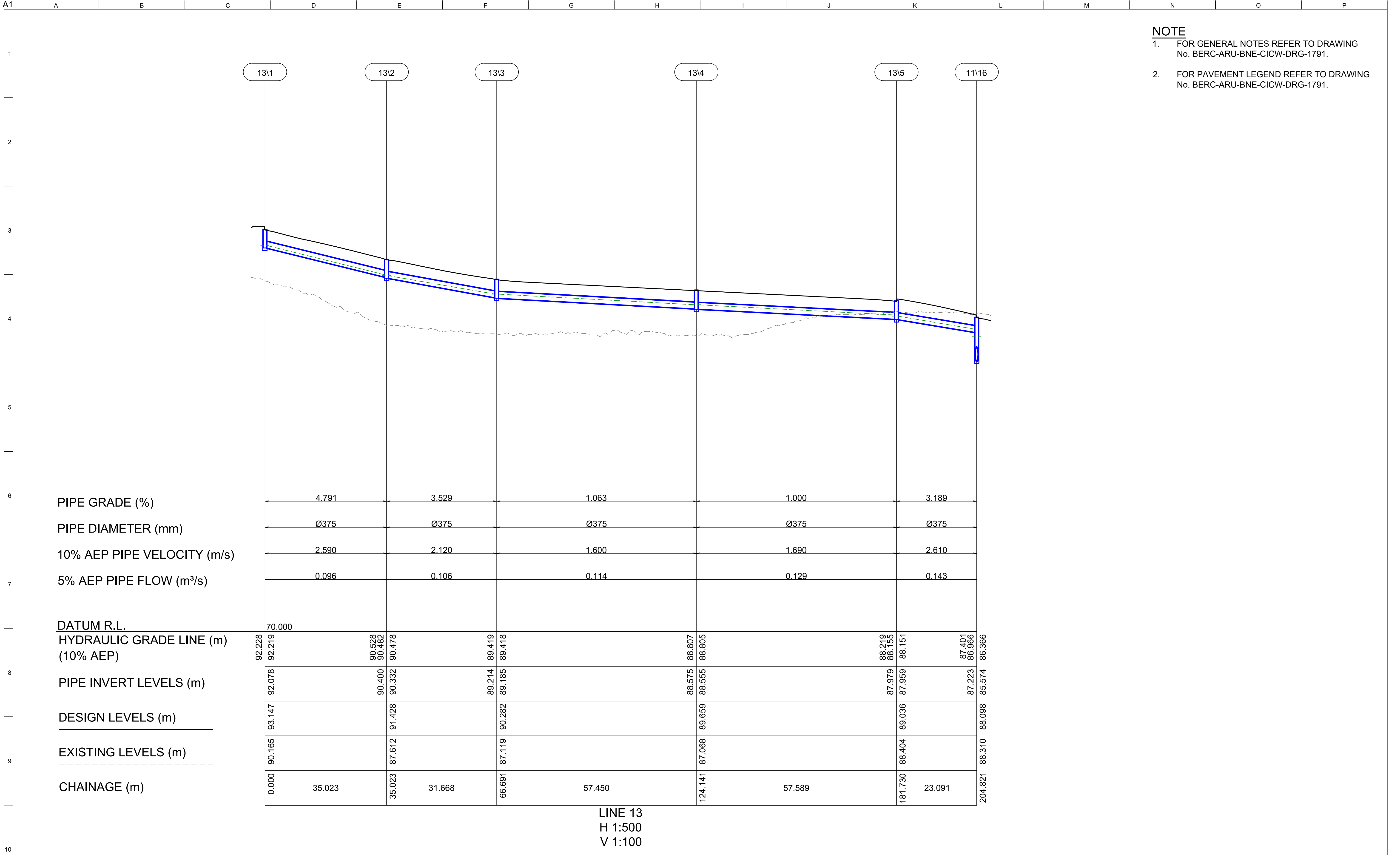
ARUP

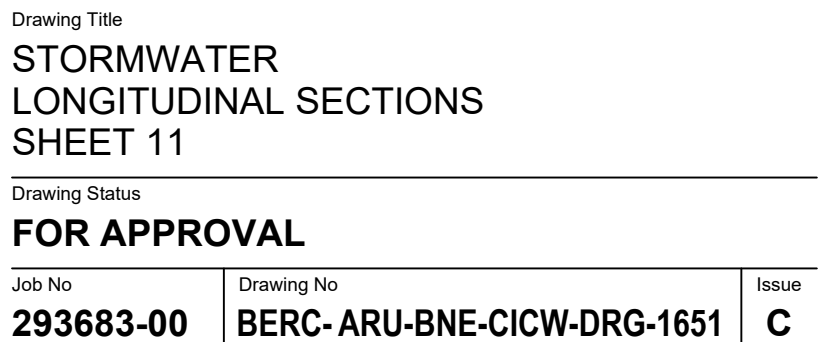
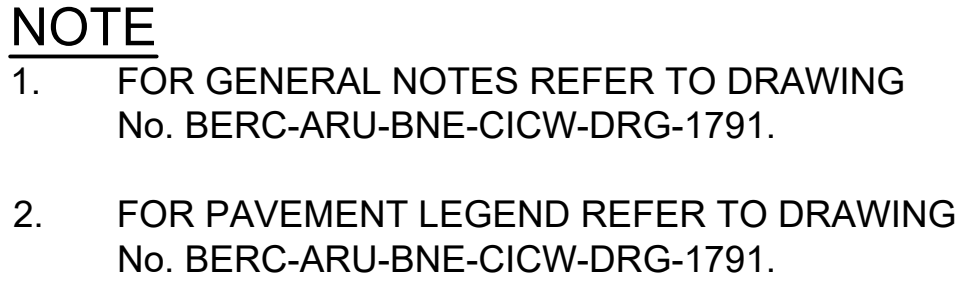
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Sydney, NSW, 2000
Tel +61 (02) 9320 9320 Fax +61 (02) 9320 9321
www.arup.com

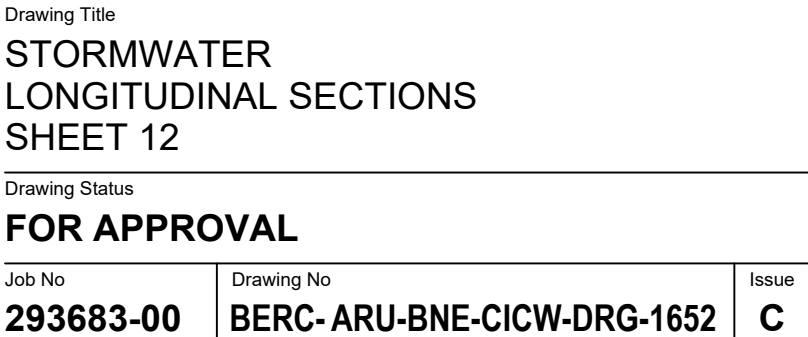
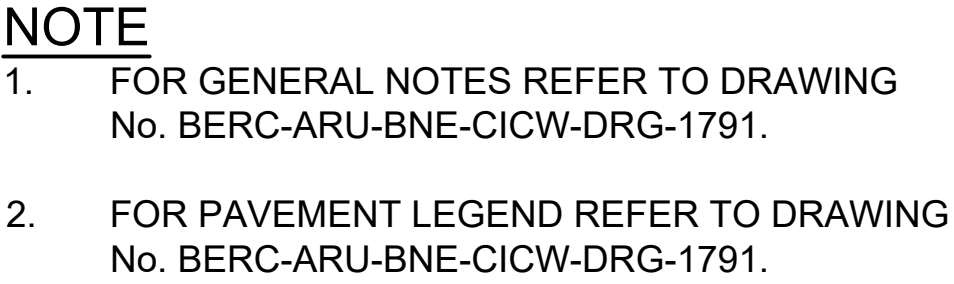

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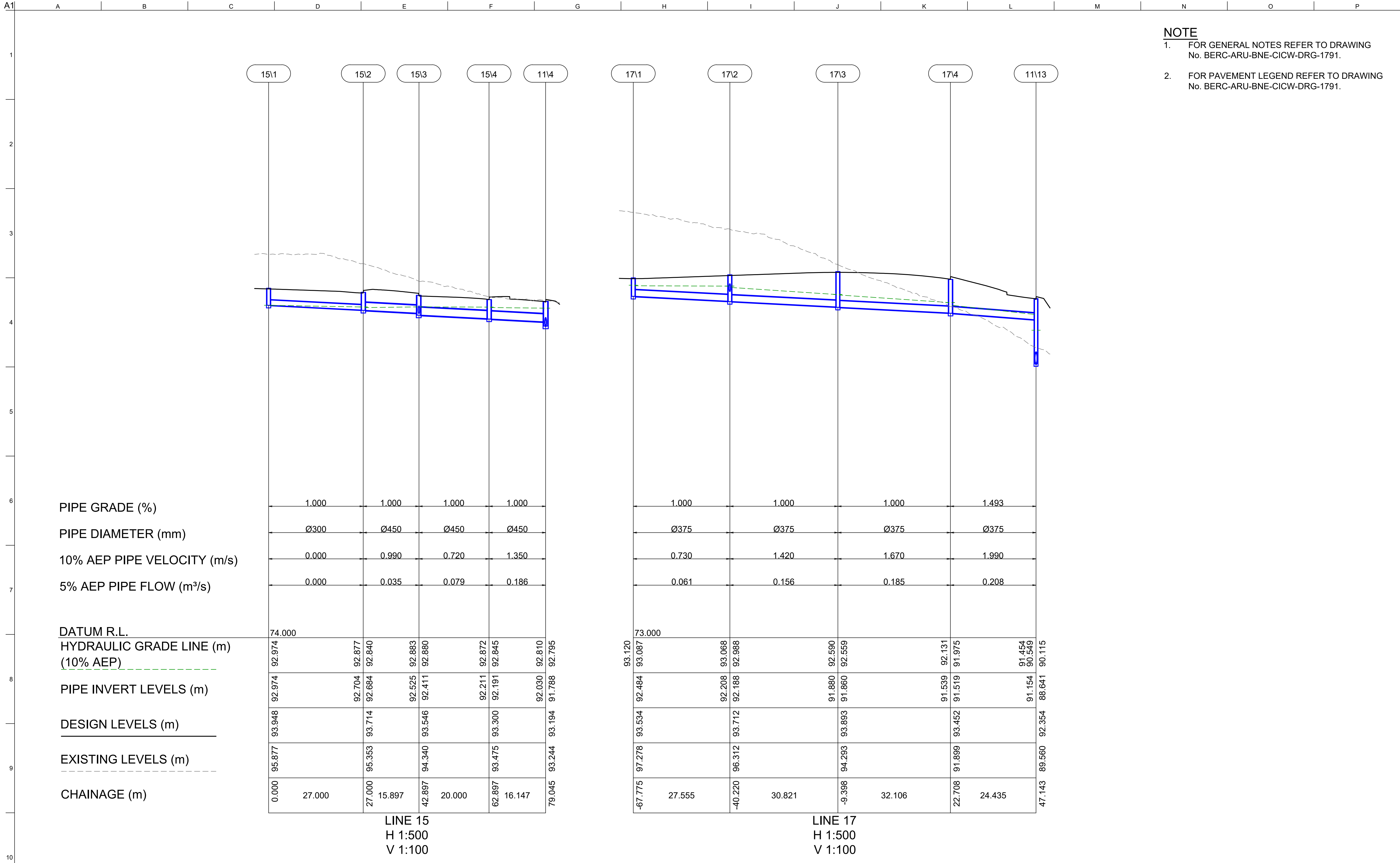
Drawing Title			
STORMWATER LONGITUDINAL SECTIONS SHEET 9			
Drawing Status			
FOR APPROVAL			
Job No	Drawing No	Issue	
293683-00	BERC-ARU-BNE-CICW-DRG-1649	C	

NOT FOR CONSTRUCTION









- 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

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 13

Drawing Status

FOR APPROVAL

Job No

293683-00

Drawing No

BERC-ARU-BNE-CICW-DRG-1653

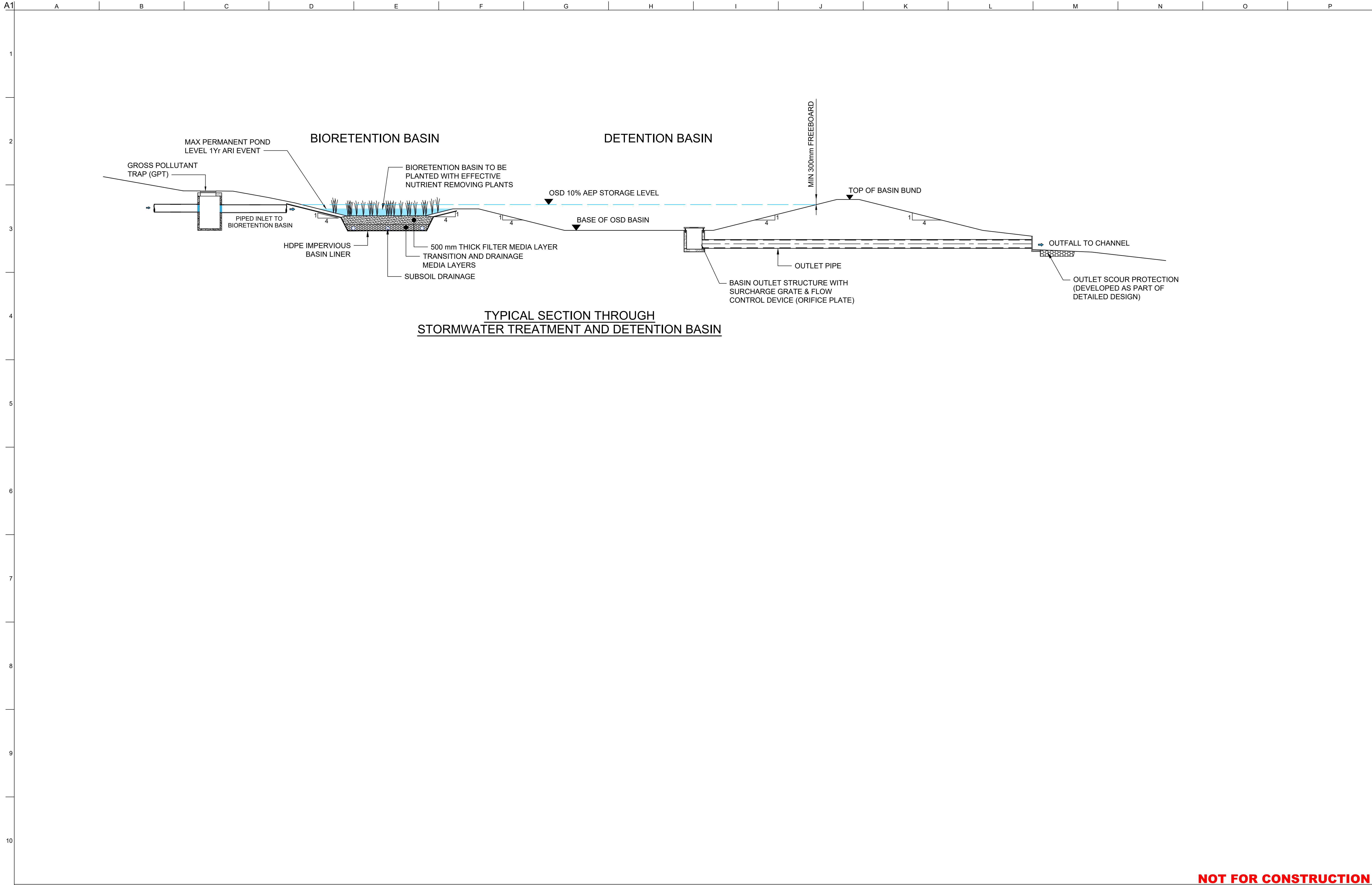
Issue

C

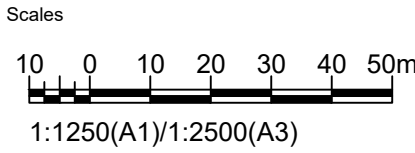
NOT FOR CONSTRUCTION

Do not scale

© Arup



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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

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Name: Date:

Signature: Date:

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1

1:1000mm

Discipline

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Drawing Title

STORMWATER MISCELLANEOUS DETAILS

Drawing Status

FOR APPROVAL

Job No

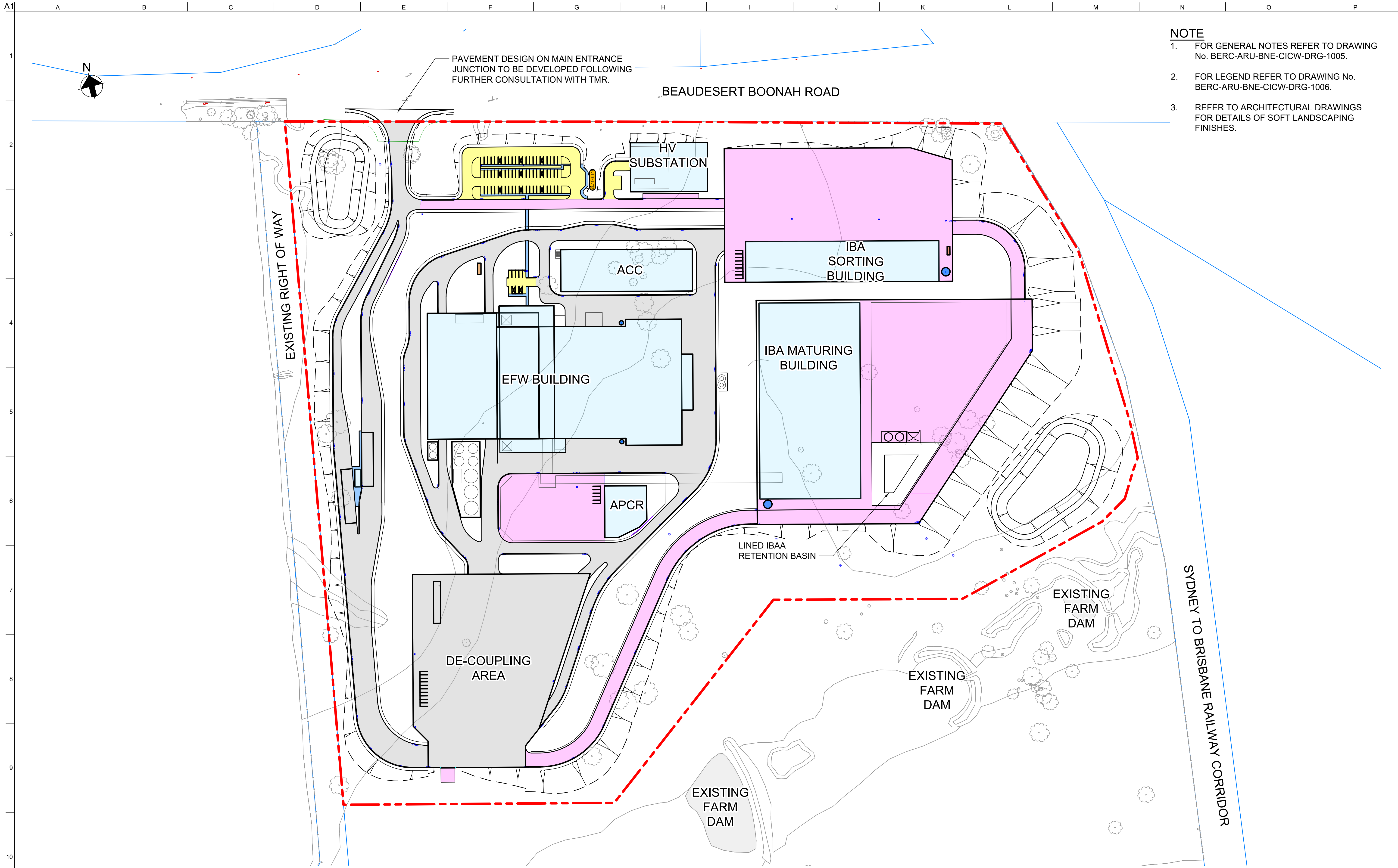
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Drawing No

BERC-ARU-BNE-CICW-DRG-1691

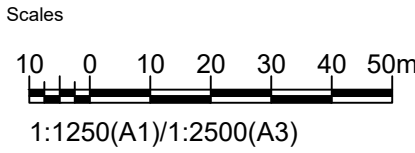
Issue

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: _____

Signature: _____

Job Title

BROMELTON ENERGY AND RESOURCES CENTRE

Scale at A1 1:1250m

Discipline **CIVIL**

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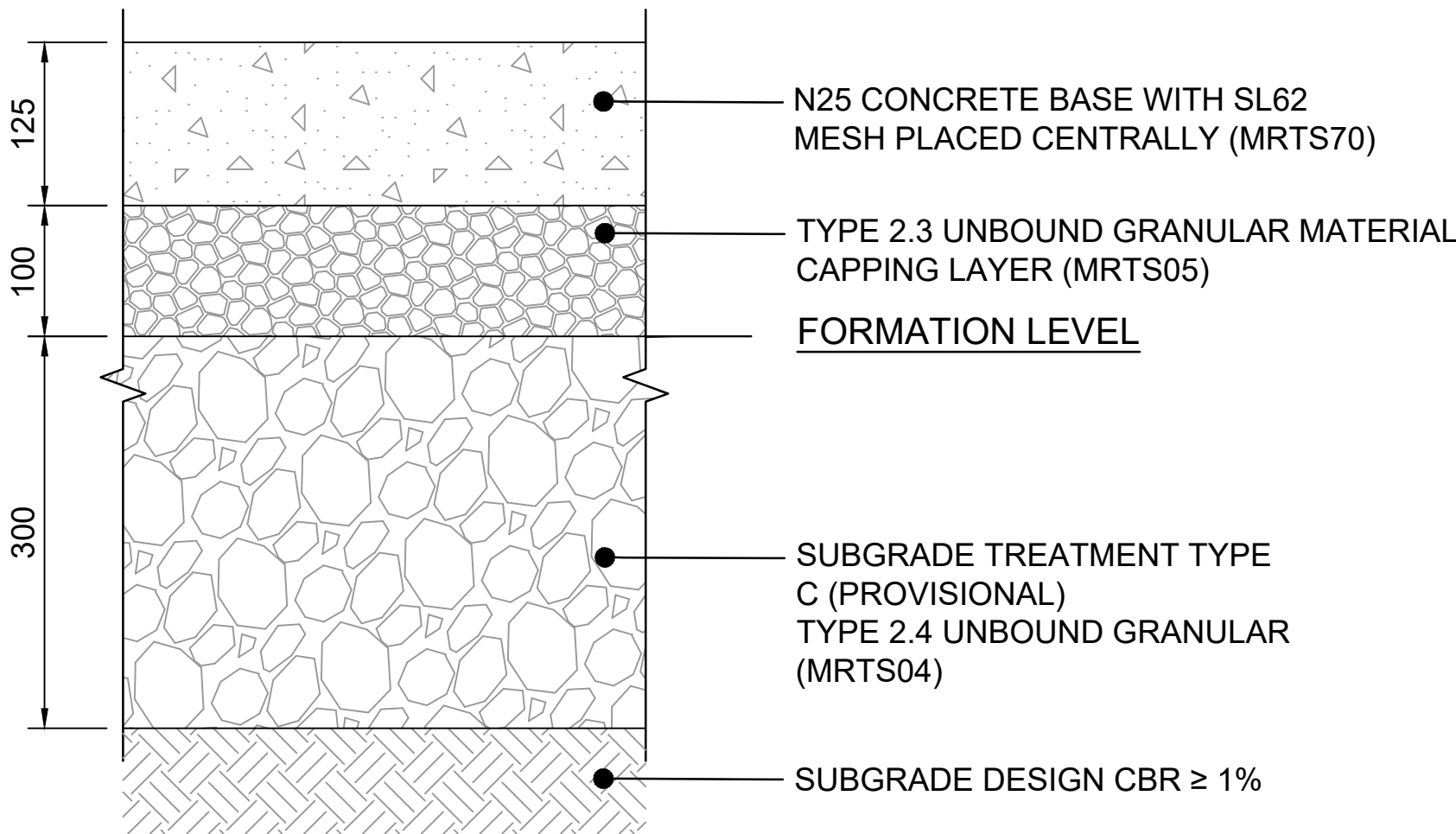
Drawing Title

PAVEMENT PLAN

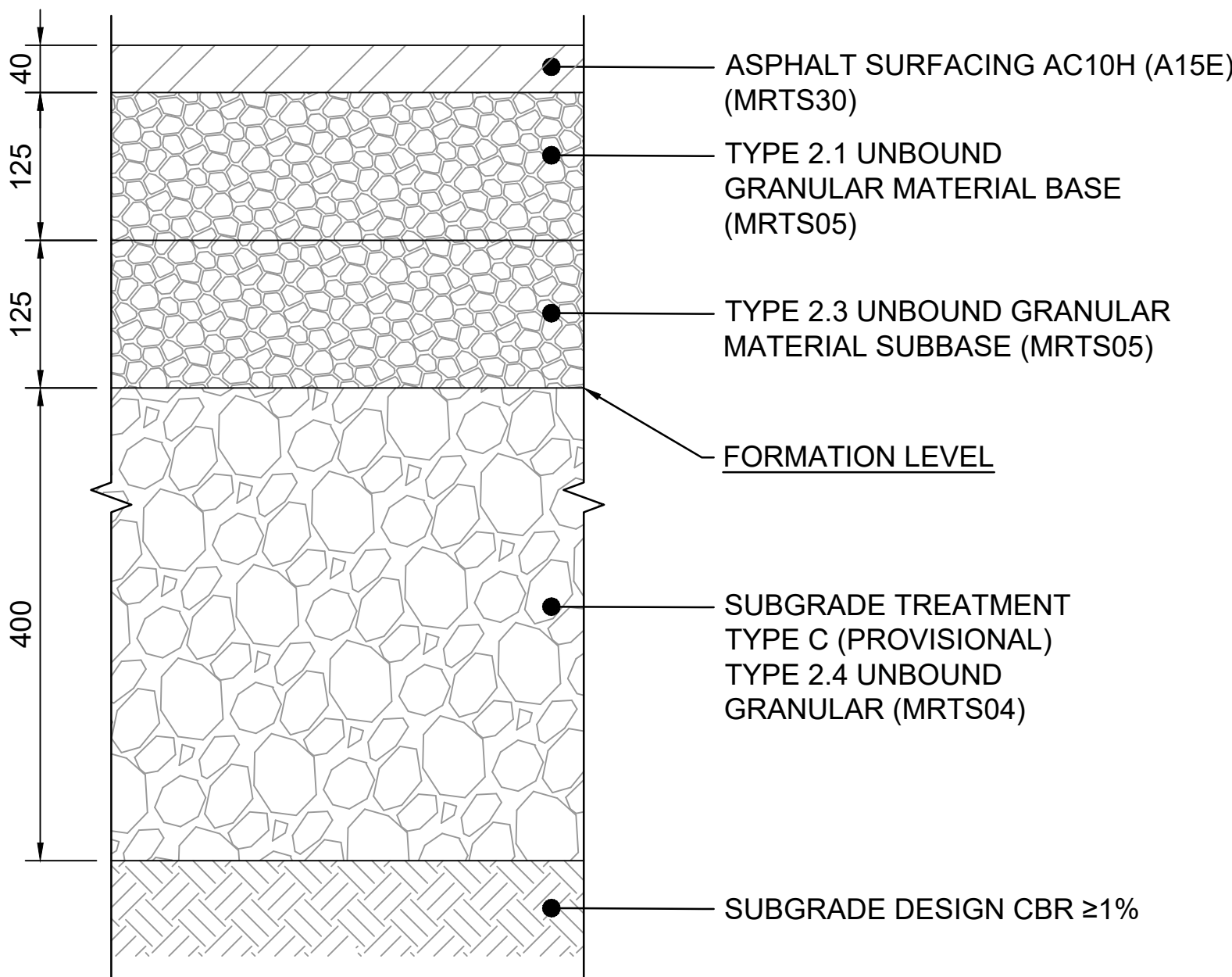
Drawing Status

FOR APPROVAL

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



RP2 - JOINTED REINFORCED CONCRETE PAVEMENT (JRCP) FOOTPATH



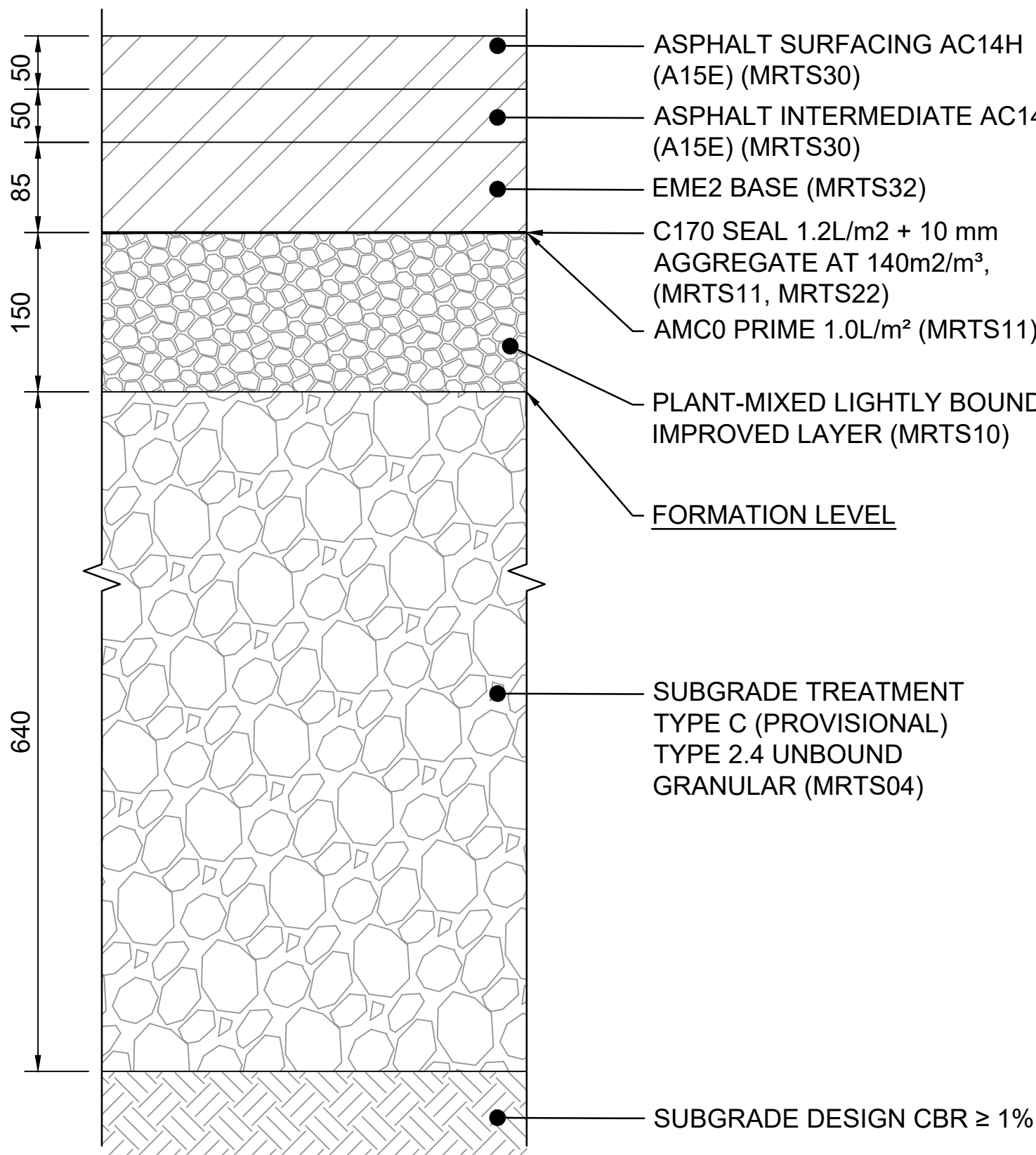
FP1 - GRANULAR PAVEMENT WITH THIN ASPHALT SURFACING (CARPARK)

NOTES:

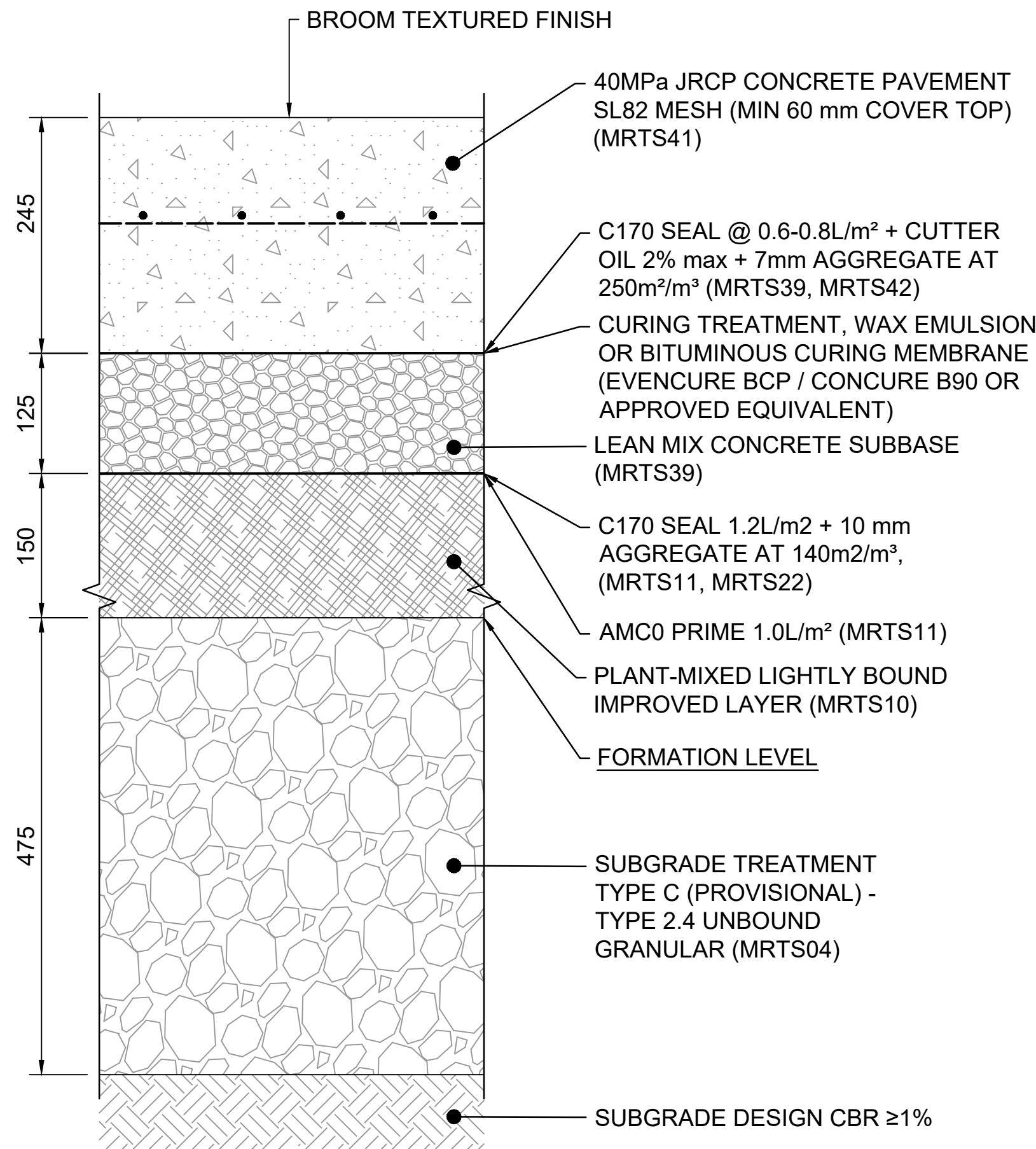
1. EARTHWORKS AND SUBGRADE PREPARATION TO BE IN ACCORDANCE WITH MRTS04.
2. THE SUBGRADE WILL BE VERIFIED IN ACCORDANCE WITH MRTS04.
3. SUB-SURFACE DRAINAGE BELOW LOW AND HIGH SIDE OF KERBS & CHANNELS TO BE PROVIDED. EXACT DETAILS TO BE INCLUDED WITHIN DETAILED DESIGN.
4. DESIGNS ARE BASED ON THE SUBGRADE 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.

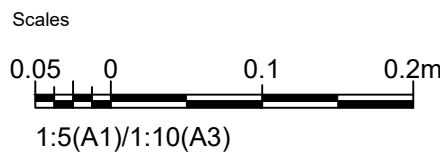


FP2 - FULL DEPTH ASPHALT PAVEMENT (WORKING AREAS)



RP1 - JOINTED REINFORCED CONCRETE PAVEMENT (JRCP)

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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

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Scale at A1 1:5m

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Drawing Title

PAVEMENT PROFILES SHEET 1

Drawing Status

FOR APPROVAL

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