

APPENDIX A
BS EN ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION FOR CONTRACTOR

NYMNPA

25/05/2018



Certificate of Approval

This is to certify that the Management System of:

P J Carey (Contractors) Ltd

Carey House , Great Central Way, Wembley, HA9 0HR, United Kingdom
has been approved by LRQA to the following standards:

ISO 14001:2015 | ISO 9001:2015 | OHSAS 18001:2007

David Derrick
Issued By: Lloyd's Register Quality Assurance Ltd

Current Issue Date: 14 June 2017
Expiry Date: 13 June 2020
Certificate Identity Number: 10019587

Original Approvals:
ISO 14001 – 14 June 2017
ISO 9001 – 14 June 2017
OHSAS 18001 – 14 June 2017

Approval Numbers: ISO 14001 – 00010043 / ISO 9001 – 00010044 / OHSAS 18001 – 00010045

The scope of this approval is applicable to:

Civil engineering with design and build; including commercial sector projects, residential development and infrastructure utility works.



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Issued By: Lloyd's Register Quality Assurance Ltd, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom

Page 1 of 1

**APPENDIX B
DRAWINGS FOR PHASE 5**

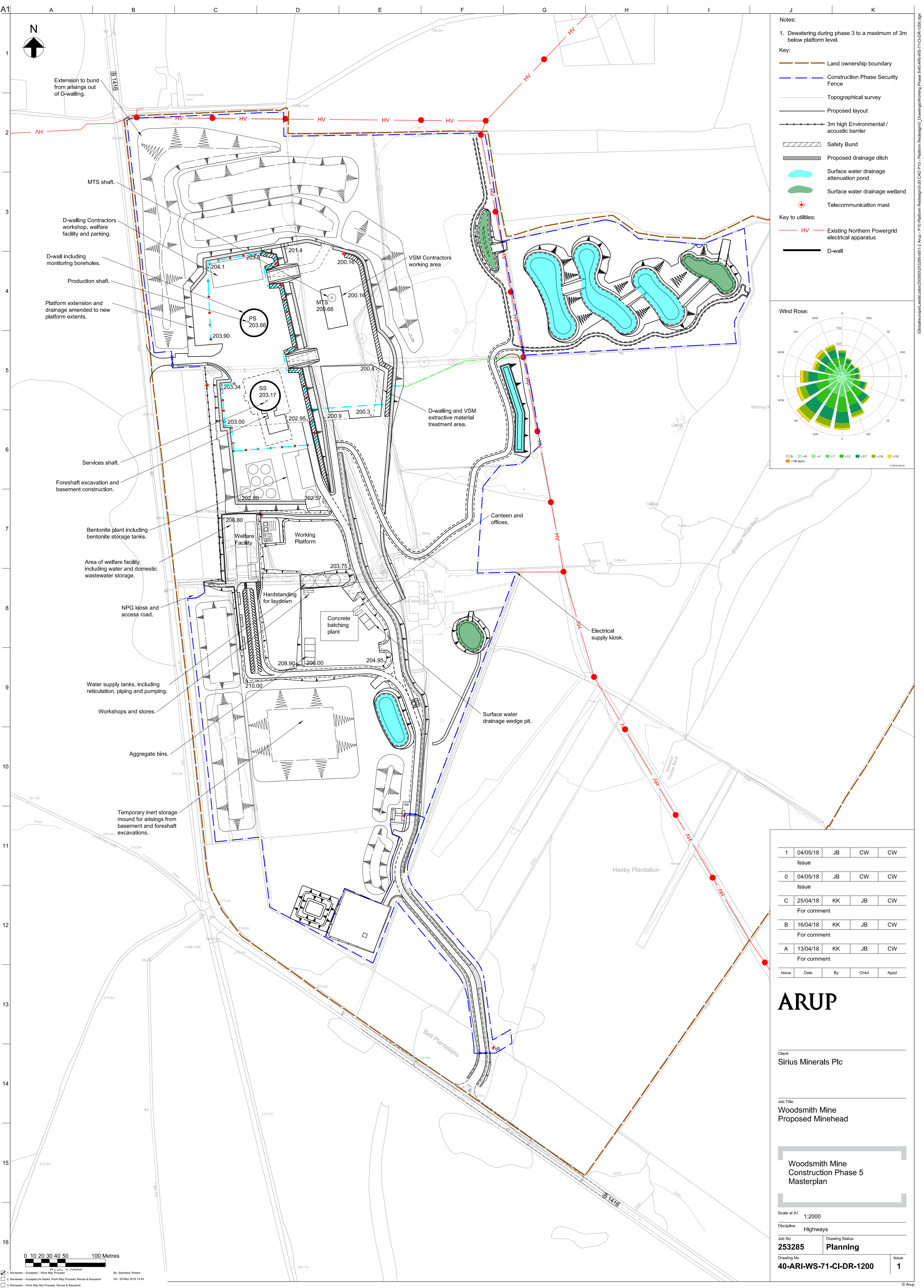
40-ARI-WS-71-CI-DR-1200 Woodsmith Mine Construction Phase 5 Masterplan

40-ARI-WS-71-CI-DR-1202 Woodsmith Mine Construction Phase 5 Planning Phases Comparison General Arrangement

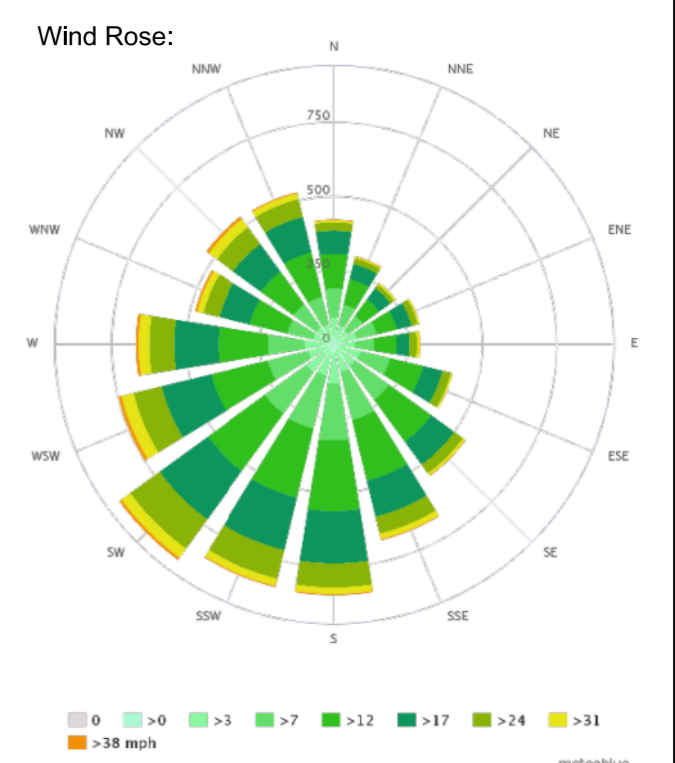
40-ARI-WS-71-CI-DR-1204 Service Shaft Basement and Foreshaft Excavation

40-ARI-WS-71-CI-DR-1205 Woodsmith Mine Construction Phase 5 Drainage General Arrangement

40-ARI-WS-71-CI-DR-1206 Woodsmith Mine Construction Phase 5 Hard and Soft Landscaping Plan



- Notes:
- Dewatering during phase 3 to a maximum of 3m below platform level.
- Key:
- Land ownership boundary
 - Construction Phase Security Fence
 - Topographical survey
 - Proposed layout
 - 3m high Environmental / acoustic barrier
 - Safety Bund
 - Proposed drainage ditch
 - Surface water drainage attenuation pond
 - Surface water drainage wetland
 - Telecommunication mast
- Key to utilities:
- HV Existing Northern Powergrid electrical apparatus
 - D-wall



1	04/05/18	JB	CW	CW
Issue				
0	04/05/18	JB	CW	CW
Issue				
C	25/04/18	KK	JB	CW
For comment				
B	16/04/18	KK	JB	CW
For comment				
A	13/04/18	KK	JB	CW
For comment				
Issue	Date	By	Chkd	Appd

ARUP

Client
Sirius Minerals Plc

Job Title
Woodsmith Mine
Proposed Minehead

Woodsmith Mine
Construction Phase 5
Masterplan

Scale at A1
1:2000

Discipline
Highways

Job No
253285

Drawing Status
Planning

Drawing No
40-ARI-WS-71-CI-DR-1200

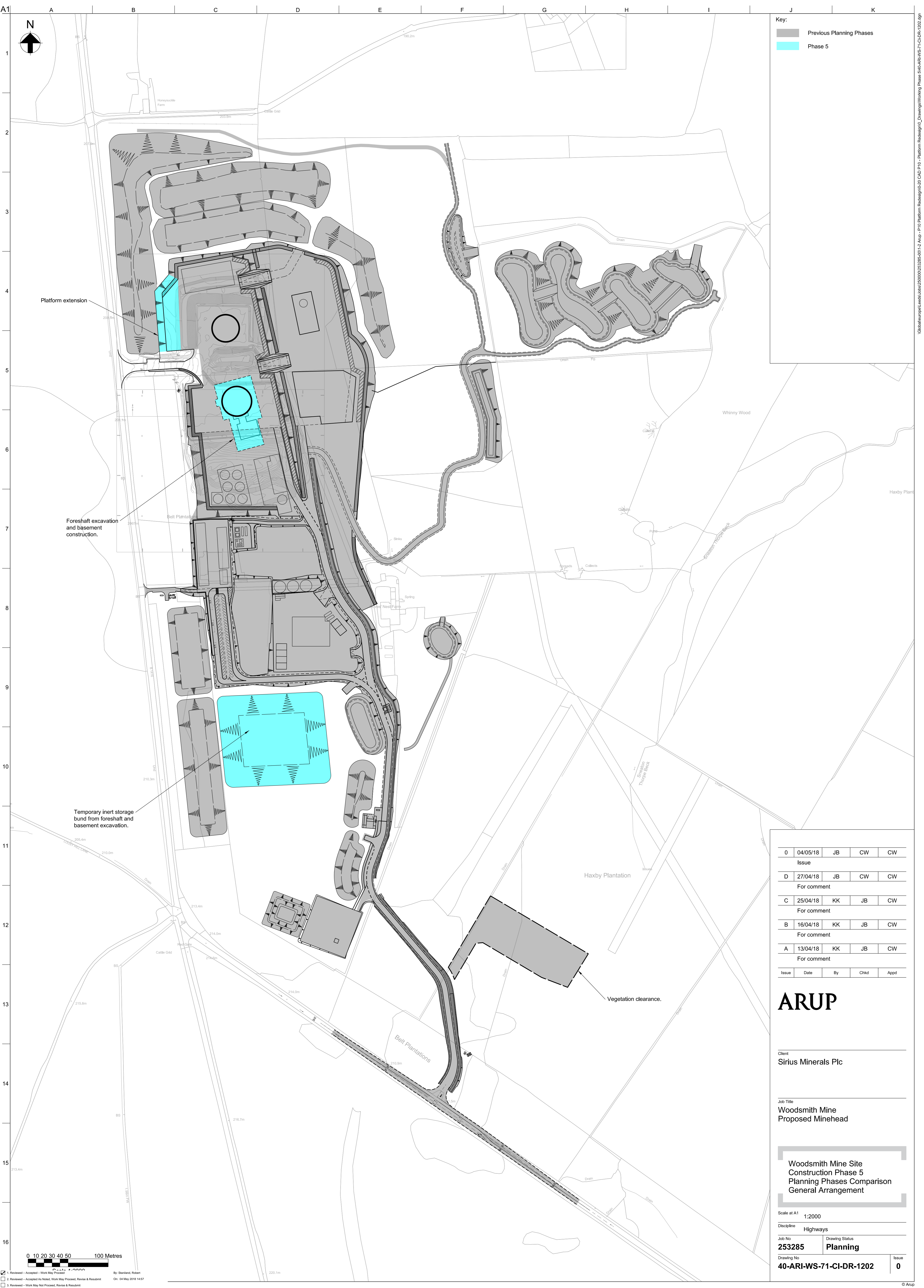
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1. Reviewed - Accepted - Work May Proceed
2. Reviewed - Accepted As Noted, Work May Proceed, Revise & Resubmit
3. Reviewed - Work Not Proceed, Revise & Resubmit
4. For information only

By: Standard, Robert
On: 08 May 2018 15:43

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Key:
 Previous Planning Phases
 Phase 5

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Issue				
D	27/04/18	JB	CW	CW
For comment				
C	25/04/18	KK	JB	CW
For comment				
B	16/04/18	KK	JB	CW
For comment				
A	13/04/18	KK	JB	CW
For comment				
Issue	Date	By	Chkd	Appd

ARUP

Client
Sirius Minerals Plc

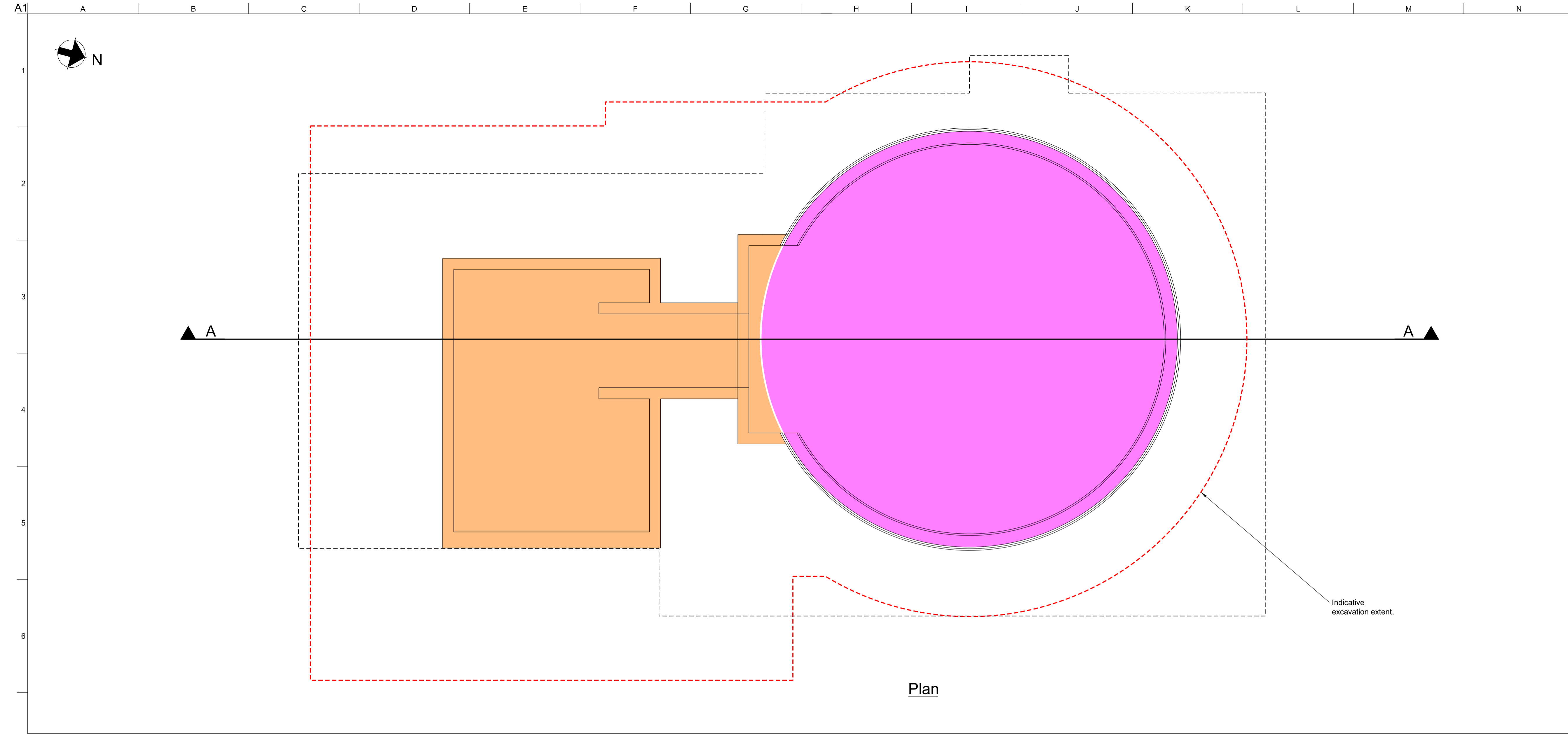
Job Title
**Woodsmith Mine
 Proposed Minehead**

**Woodsmith Mine Site
 Construction Phase 5
 Planning Phases Comparison
 General Arrangement**

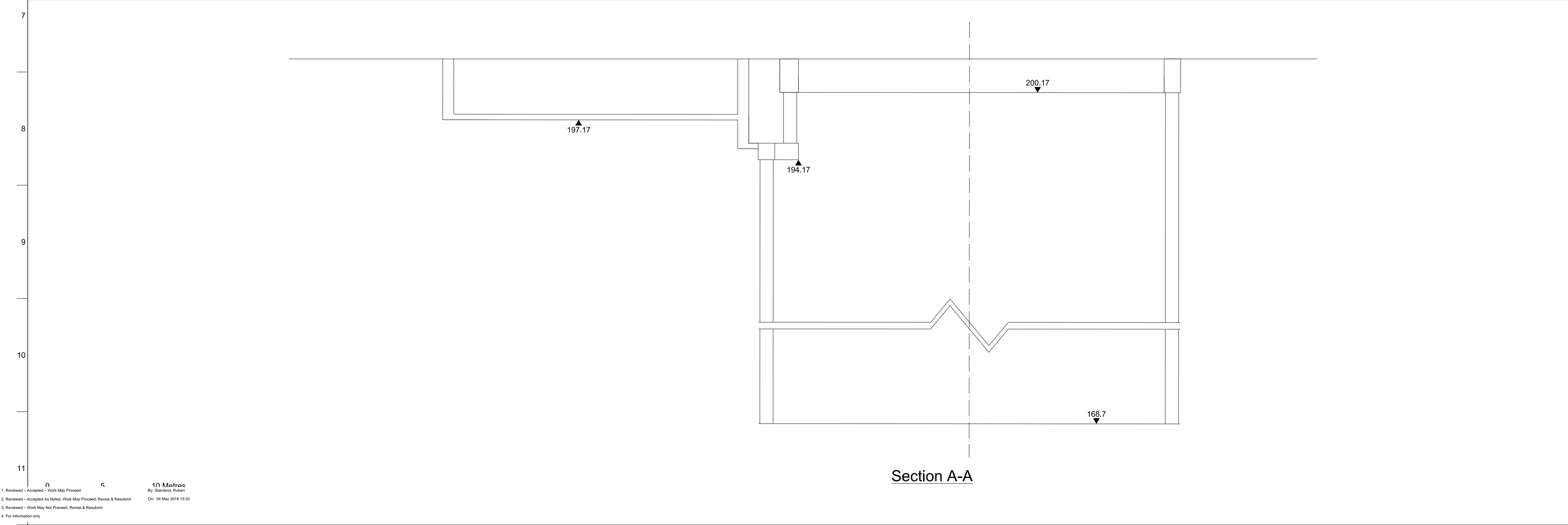
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 Discipline **Highways**
 Job No **253285** Drawing Status **Planning**
 Drawing No **40-ARI-WS-71-CI-DR-1202** Issue **0**

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 By: Standard, Robert
 On: 04 May 2018 14:57
 1. Reviewed - Accepted - Work May Proceed
 2. Reviewed - Accepted As Noted, Work May Proceed, Revise & Resubmit
 3. Reviewed - Work May Not Proceed, Revise & Resubmit
 4. For information only

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Plan



Section A-A

- Notes:
- All levels are in mAOD.
- Key for excavations:
- Winder slab and foundation
 - Foreshaft excavation
 - Foreshaft building extent

0	04/05/18	JB	CW	CW
Issue				
B	27/04/18	JB	CW	CW
For comment				
A	25/04/18	KK	JB	CW
Draft				
Issue	Date	By	Chkd	Appd

ARUP

Client
Sirius Minerals Plc

Job Title
Woodsmith Mine
Proposed Minehead

Woodsmith Mine
Construction Phase 5
Service Shaft Basement
and Foreshaft Excavation

Scale at A1 1:200

Discipline Structural

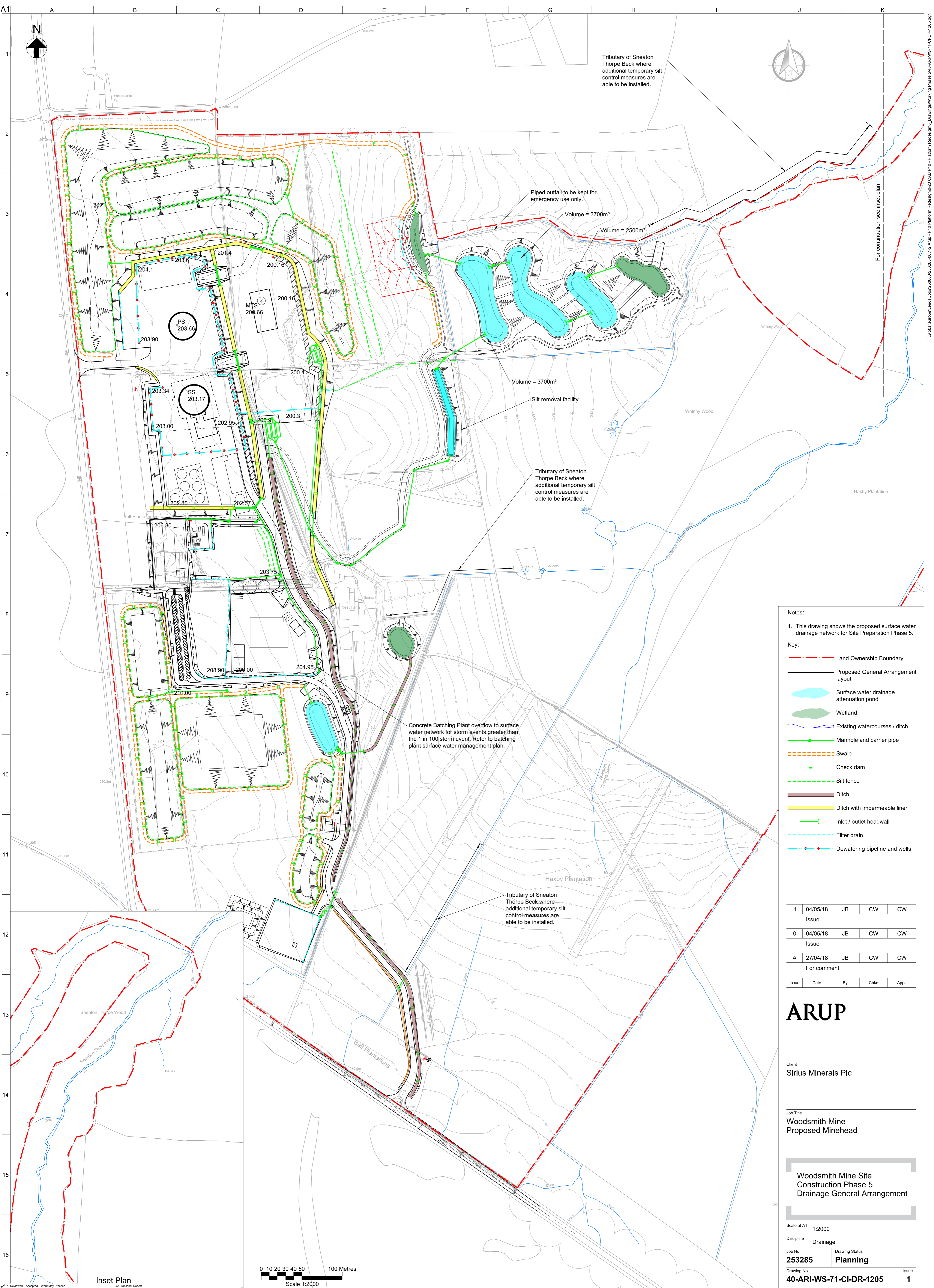
Job No 253285	Drawing Status Planning
Drawing No 40-ARI-WS-71-CI-DR-1204	Issue 0

10 Matrac
By: Stanland, Robert
On: 04 May 2018 15:33

1. Reviewed - Accepted - Work May Proceed
2. Reviewed - Accepted As Noted, Work May Proceed, Revise & Resubmit
3. Reviewed - Work May Not Proceed, Revise & Resubmit
4. For information only

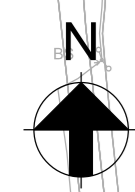
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A B C D E F G H I J K



Tributary of Sneaton Thorpe Beck where additional temporary silt control measures are able to be installed.

Piped outfall to be kept for emergency use only.

Volume = 3700m³

Volume = 2500m³

Volume = 3700m³

Silt removal facility.

Tributary of Sneaton Thorpe Beck where additional temporary silt control measures are able to be installed.

Concrete Batching Plant overflow to surface water network for storm events greater than the 1 in 100 storm event. Refer to batching plant surface water management plan.

Tributary of Sneaton Thorpe Beck where additional temporary silt control measures are able to be installed.

For continuation see inset plan

Notes:

1. This drawing shows the proposed surface water drainage network for Site Preparation Phase 5.

Key:

- Land Ownership Boundary
- Proposed General Arrangement layout
- Surface water drainage attenuation pond
- Wetland
- Existing watercourses / ditch
- Manhole and carrier pipe
- Swale
- Check dam
- Silt fence
- Ditch
- Ditch with impermeable liner
- Inlet / outlet headwall
- Filter drain
- Dewatering pipeline and wells

1	04/05/18	JB	CW	CW
Issue				
0	04/05/18	JB	CW	CW
Issue				
A	27/04/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

ARUP

Client
Sirius Minerals Plc

Job Title
Woodsmith Mine
Proposed Minehead

Woodsmith Mine Site
Construction Phase 5
Drainage General Arrangement

Scale at A1
1:2000

Discipline
Drainage

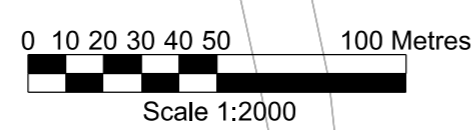
Job No
253285

Drawing Status
Planning

Drawing No
40-ARI-WS-71-CI-DR-1205

Issue
1

Inset Plan
By: Standard, Robert
On: 08 May 2018 15:16



1. Reviewed - Accepted - Work May Proceed
2. Reviewed - Accepted for Notes, Work May Proceed, Revise & Resubmit
3. Reviewed - Work May Not Proceed, Revise & Resubmit
4. For information only

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Key:

- Hard landscaping
- Soft landscaping
- Existing trees
- Land ownership boundary
- Construction phase security fence

0	25/05/18	GC	CW	CW
Issue				
A	24/05/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

ARUP

Sirius Minerals Plc

Job Title
Woodsmith Mine
Proposed Minehead

Woodsmith Mine
Construction Phase 5
Hard and Soft Landscaping Plan

Scale at A1 1:2000

Discipline Highways

Job No 253285	Drawing Status Planning
Drawing No 40-ARI-WS-71-CI-DR-1206	Issue 0

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By: Standard, Robert
On: 25 May 2018 12:07

1. Reviewed - Accepted - Work May Proceed
2. Reviewed - Accepted As Noted, Work May Proceed, Revise & Resubmit
3. Reviewed - Work May Not Proceed, Revise & Resubmit
4. For information only

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APPENDIX C
TYPICAL FUEL AND COSHH STORAGE

FUEL STORAGE & REFUELLING MOBILE & STATIC BOWSER

