

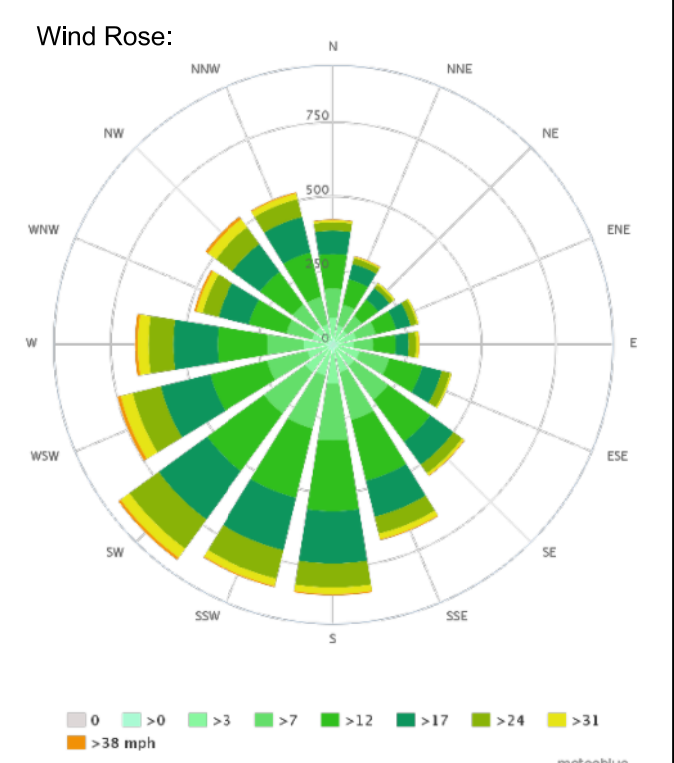
Notes:
 1. Dewatering during phase 3 to a maximum of 3m below platform level.

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



0	05/04/18	JB	CW	CW
Issue				
C	04/04/18	JB	CW	CW
For comment				
B	03/04/18	KK	JB	CW
For comment				
A	26/03/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

ARUP

Admiral House, Rose Wharf,
 78 East Street, Leeds, LS9 8EE
 www.arup.com

Client
 Sirius Minerals Plc

Job Title
 Woodsmith Mine
 Proposed Minehead

Woodsmith Mine
 Construction Phase 4a
 Masterplan

Scale at A1
 1:2000

Discipline
 Highways

Job No
 253285

Drawing Status
 Issue

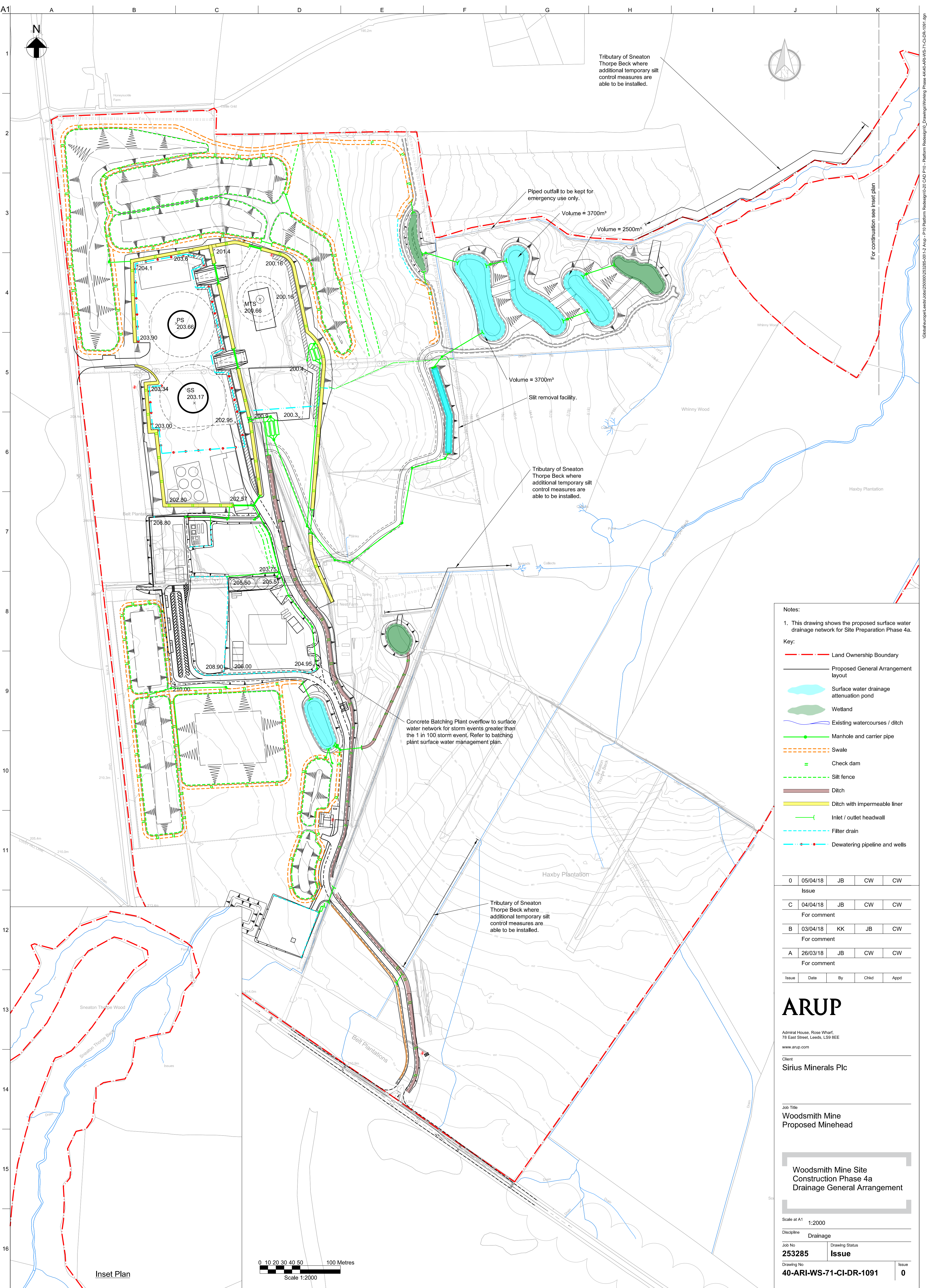
Drawing No
 40-ARI-WS-71-CI-DR-1090

Issue
 0

NYMNPA

06/04/2018

0 10 20 30 40 50 100 Metres
 Scale 1:2000



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.

Notes:

1. This drawing shows the proposed surface water drainage network for Site Preparation Phase 4a.

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

0	05/04/18	JB	CW	CW
Issue				
C	04/04/18	JB	CW	CW
For comment				
B	03/04/18	KK	JB	CW
For comment				
A	26/03/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

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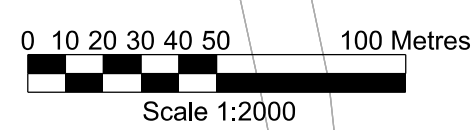
Job Title
**Woodsmith Mine
 Proposed Minehead**

**Woodsmith Mine Site
 Construction Phase 4a
 Drainage General Arrangement**

Scale at A1 1:2000

Discipline **Drainage**

Job No 253285	Drawing Status Issue
Drawing No 40-ARI-WS-71-CI-DR-1091	Issue 0



Inset Plan



Key:

- Previous Planning Phases
- Phase 4a

0	05/04/18	JB	CW	CW
Issue				
C	04/04/18	JB	CW	CW
For comment				
B	03/04/18	KK	JB	CW
For comment				
A	26/03/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

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Client
Sirius Minerals Plc

Job Title
**Woodsmith Mine
 Proposed Minehead**

**Woodsmith Mine Site
 Construction Phase 4a
 Planning Phases Comparison
 General Arrangement**

Scale at A1 1:2000
 Discipline Highways
 Job No 253285
 Drawing Status Issue
 Drawing No 40-ARI-WS-71-CI-DR-1092
 Issue 0



- Notes:
- Dewatering during phase 3 to a maximum of 3m below platform level.
- Key:
- Approximate location of dewatering wells. Actual number and location to be determined by specialist dewatering contractor.
 - Temporary dewatering pipeline
 - Existing culvert

0	05/04/18	JB	CW	CW
Issue				
A	26/03/18	JB	CW	CW
For comment				
Issue	Date	By	Chkd	Appd

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Client
Sirius Minerals Plc

Job Title
**Woodsmith Mine
Proposed Minehead**

**Woodsmith Mine
Construction Phase 4a
Platform Dewatering
Infrastructure**

Scale at A1 1:1250
Discipline Civil
Job No **253285** Drawing Status **Issue**
Drawing No **40-ARI-WS-71-CI-DR-1094** Issue **0**