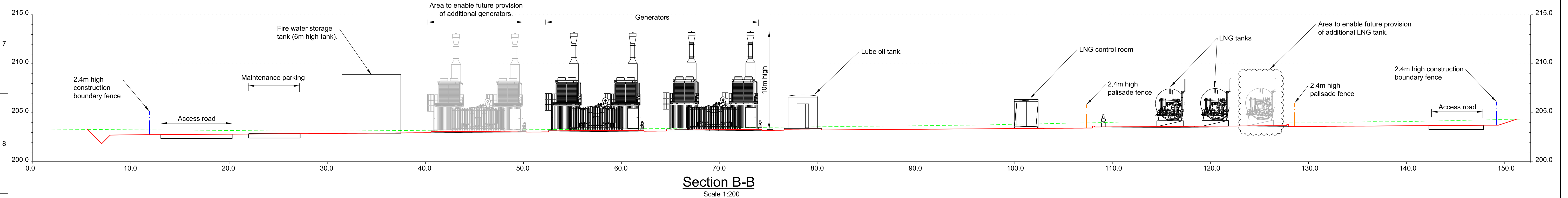
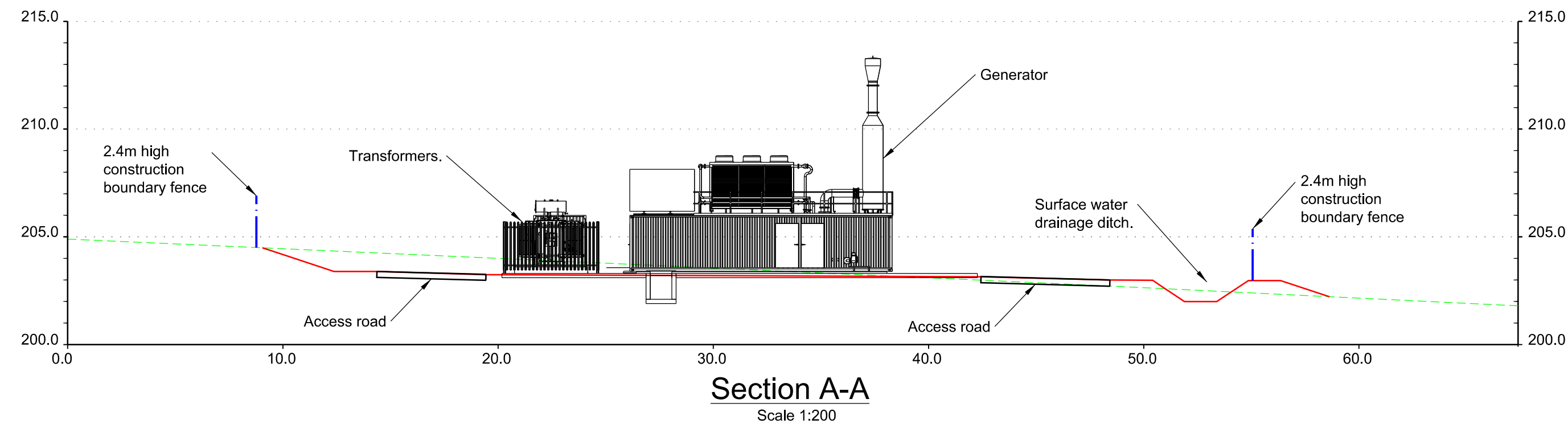


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Notes:  
1. For sections locations refer to drawing 40-ARI-WS-7100-CI-18-01024.

Key:  
— Proposed ground  
- - - Existing ground

1	05/10/18	KK	CW	CW
Planning				
0	04/10/18	KK	JB	CW
Planning				
A	01/10/18	KK	JB	CW
Draft				
Issue	Date	By	Chkd	Appd

**ARUP**

Client  
Sirius Minerals Plc

Job Title  
Woodsmith Mine  
Proposed Minehead

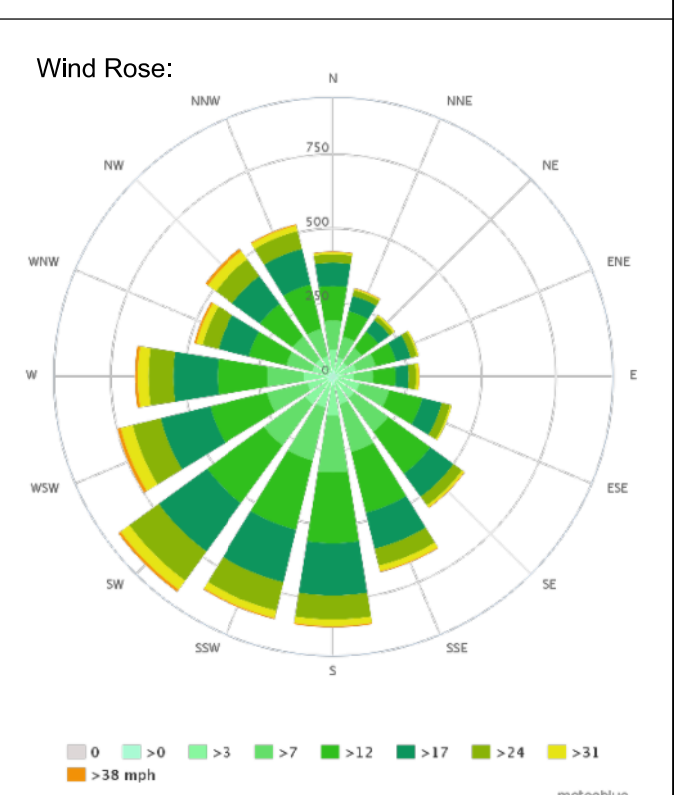
Woodsmith Mine  
Construction Phase 6a  
LNG / Generator Plant  
Sections

Scale at A1	1:200
Discipline	Civils
Job No	253285
Drawing No	40-ARI-WS-7100-CI-10-01025
Drawing Status	Planning
Issue	1





- Key:**
- Land ownership boundary
  - Construction Phase Security Fence
  - 2.4m high palisade 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	05/10/18	KK	CW	CW
Planning				
0	04/10/18	CG	CW	CW
Planning				
A	01/10/18	CG	JB	CW
For comment				
Issue	Date	By	Chkd	Appd

**ARUP**

Client  
Sirius Minerals Plc

Job Title  
Woodsmith Mine  
Proposed Minehead

**Woodsmith Mine  
Construction Phase 6a  
Masterplan**

Scale at A1 1:2000  
Discipline Highways  
Job No 253285 Drawing Status Planning  
Drawing No 40-ARI-WS-7100-CI-18-01020 Issue 1





Key:

- Previous Planning Phases
- Phase 6a

1	05/10/18	KK	CW	CW
Planning				
0	04/10/18	CG	CW	CW
Planning				
A	01/10/18	CG	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 6a  
Planning Phases Comparison  
General Arrangement

Scale at A1 1:2000

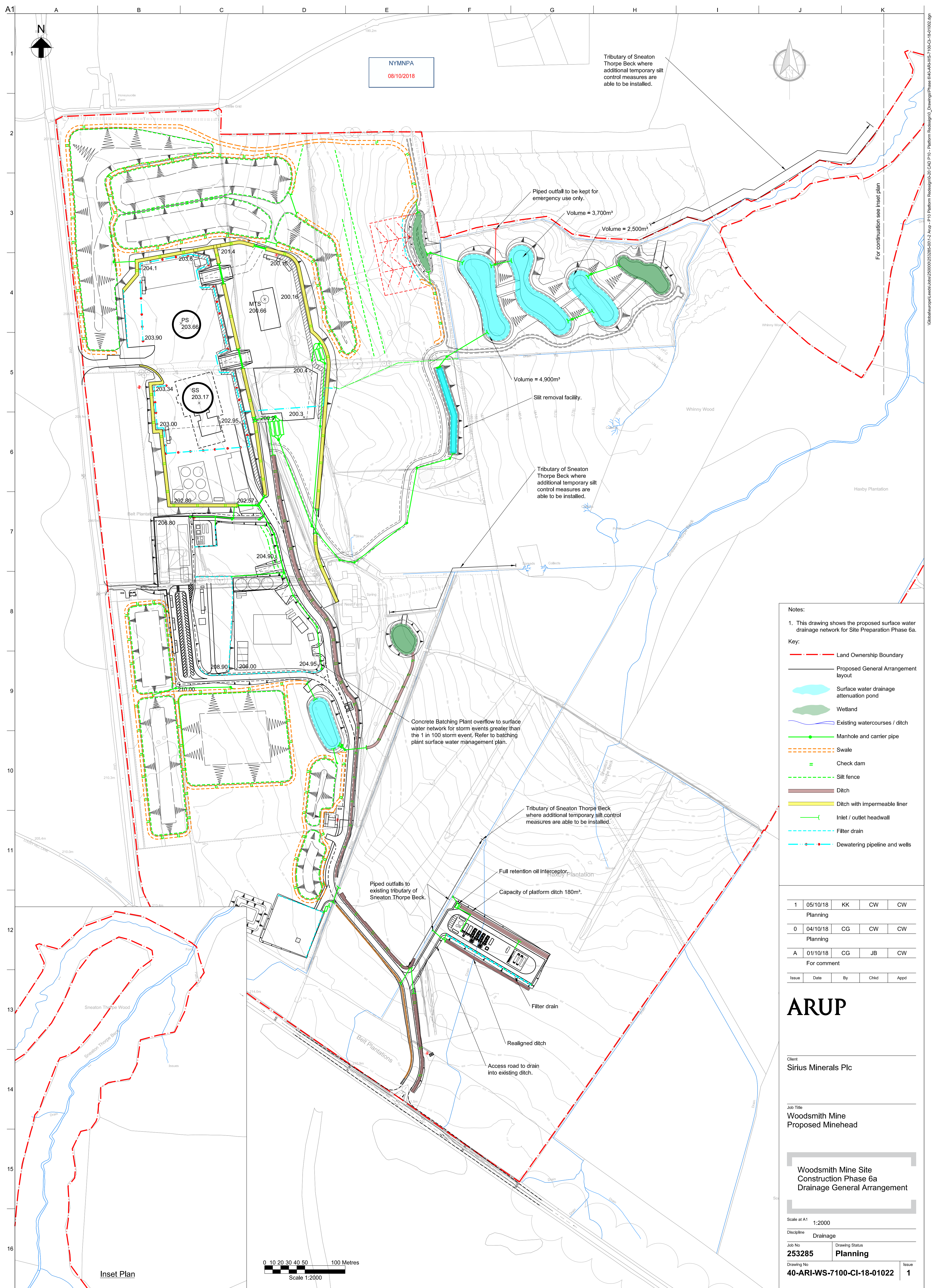
Discipline Highways

Job No 253285 Drawing Status Planning

Drawing No 40-ARI-WS-7100-CI-18-01021 Issue 1

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





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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 = 3,700m<sup>3</sup>

Volume = 2,500m<sup>3</sup>

Volume = 4,900m<sup>3</sup>

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.

Full retention oil interceptor.

Capacity of platform ditch 180m<sup>3</sup>.

Piped outfalls to existing tributary of Sneaton Thorpe Beck.

Filter drain

Realigned ditch

Access road to drain into existing ditch.

Notes:

1. This drawing shows the proposed surface water drainage network for Site Preparation Phase 6a.

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	05/10/18	KK	CW	CW
Planning				
0	04/10/18	CG	CW	CW
Planning				
A	01/10/18	CG	JB	CW
For comment				
Issue	Date	By	Chkd	Appd

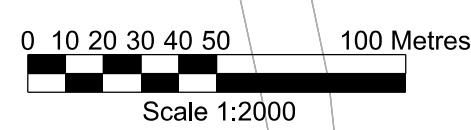
**ARUP**

Client  
Sirius Minerals Plc

Job Title  
Woodsmith Mine  
Proposed Minehead

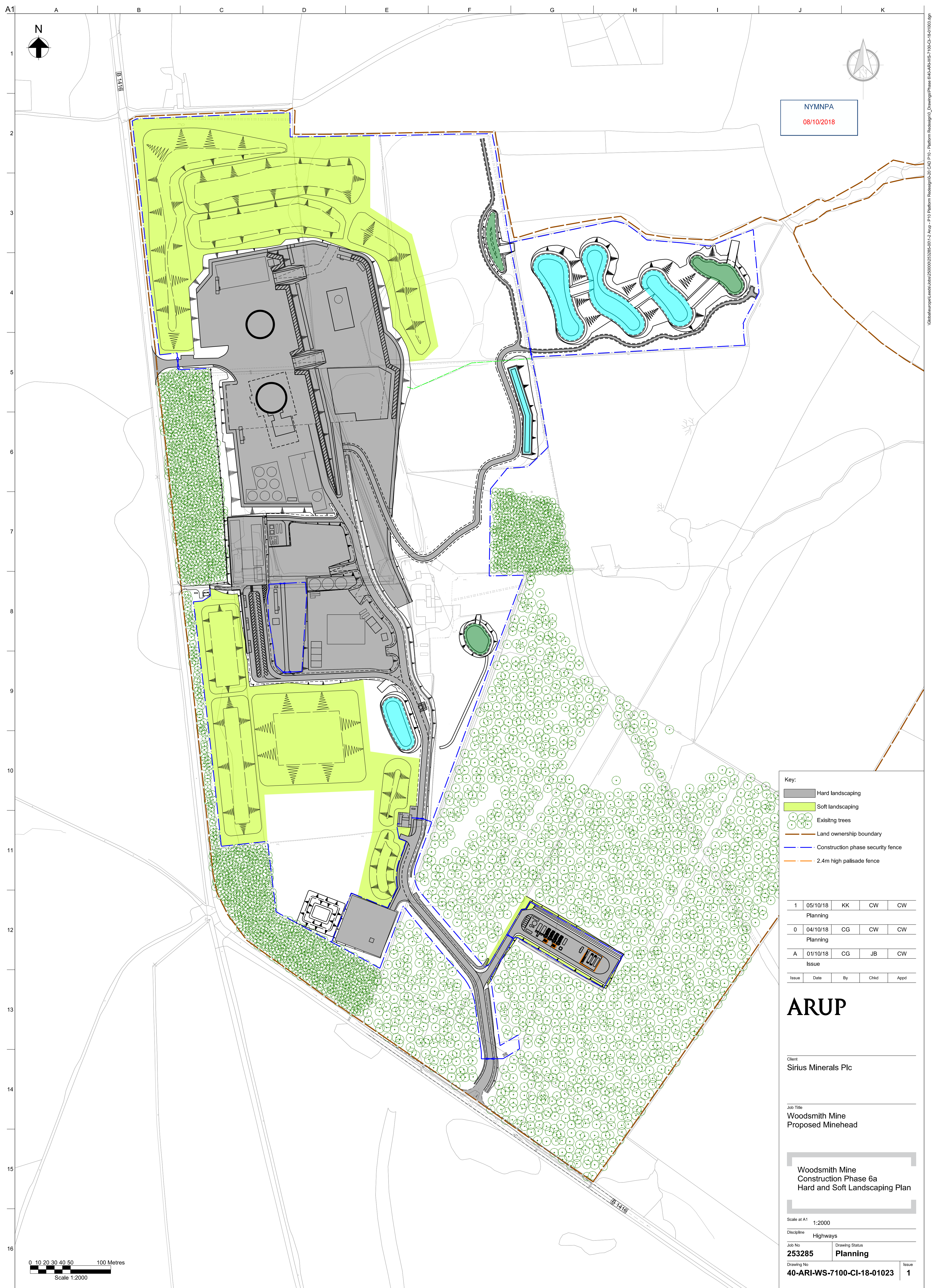
Woodsmith Mine Site  
Construction Phase 6a  
Drainage General Arrangement

Scale at A1	1:2000
Discipline	Drainage
Job No	253285
Drawing No	40-ARI-WS-7100-CI-18-01022
Issue	1



Inset Plan





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Key:

- Hard landscaping
- Soft landscaping
- Existing trees
- Land ownership boundary
- Construction phase security fence
- 2.4m high palisade fence

1	05/10/18	KK	CW	CW
Planning				
0	04/10/18	CG	CW	CW
Planning				
A	01/10/18	CG	JB	CW
Issue				
Issue	Date	By	Chkd	Appd

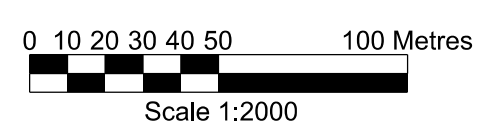
**ARUP**

Client  
Sirius Minerals Plc

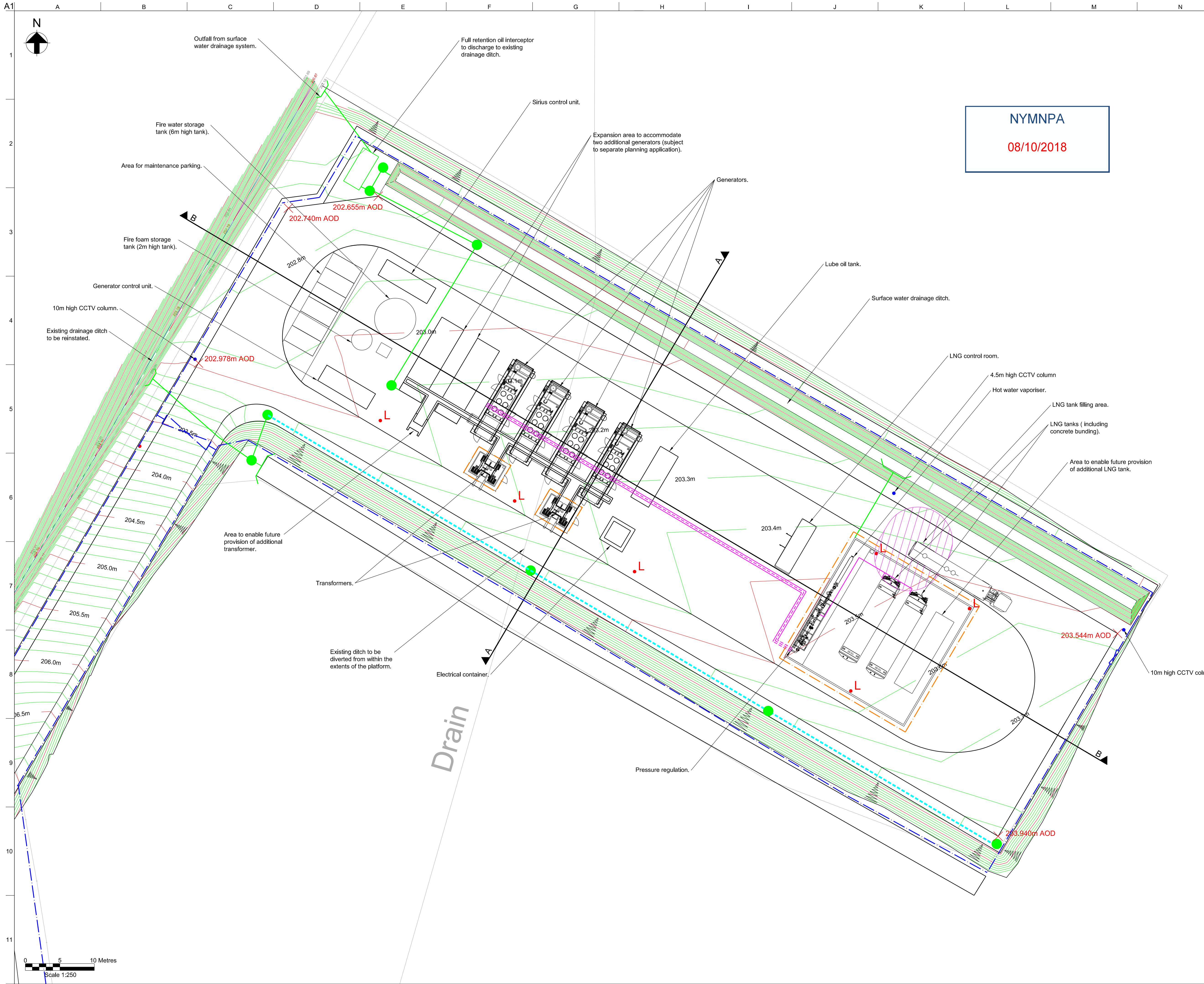
Job Title  
Woodsmith Mine  
Proposed Minehead

Woodsmith Mine  
Construction Phase 6a  
Hard and Soft Landscaping Plan

Scale at A1 1:2000  
Discipline Highways  
Job No 253285 Drawing Status Planning  
Drawing No 40-ARI-WS-7100-CI-18-01023 Issue 1







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- Notes:
- For sections refer to drawing 40-ARI-WS-7100-CI-10-01025.
- Key:
- Surface water drainage carrier pipe
  - Surface water drainage manhole
  - [ ] Culvert
  - - - Filter drain
  - Minor contour
  - Major contour
  - - - 2.4m high palisade fence
  - 4m high lighting column
  - - - 2.4m high construction boundary fence
  - CCTV column

1	05/10/18	KK	CW	CW
Planning				
0	04/10/18	KK	JB	CW
Planning				
A	01/10/18	CG	JB	CW
Draft				
Issue	Date	By	Chkd	Appd

ARUP

Client  
Sirius Minerals Plc

Job Title  
Woodsmith Mine  
Proposed Minehead

**Woodsmith Mine  
 Construction Phase 6a  
 LNG / Generator Plant  
 Compound**

Scale at A1: 1:500

Discipline: Civil

Job No: **253285** | Drawing Status: **Planning**

Drawing No: **40-ARI-WS-7100-CI-18-01024** | Issue: **1**

I:\Global\Projects\Leeds\253285\012\_Arup - P10 Platform\Reassign\026 CAD P10 - Platform\Reassign\026 Drawings\Phase 6a\40-ARI-WS-7100-CI-18-01024.dgn