

- Notes:
- Where glacial till is less than 500mm thick, underlying rock to be excavated and replaced with compacted clay to achieve a permeability  $\leq 1 \times 10^{-9}$  m/s and air voids  $\leq 5\%$ . Glacial till thickness to be confirmed during construction with trial pits at 25m c/c.
  - Concrete canvas to be installed in accordance with the manufacturers guidance.
  - Formation soft spots to be excavated and replaced with compacted acceptable material.
  - Edge protection bund to be hydroseeded.

- Key:
- Tensar geogrid
  - Concrete canvas (CC8 or equivalent approved)
  - Erosion protection netting (Terracoir 400 or equivalent approved)
  - 225mm ID drainage pipe
  - Type 3 unbound mixture (clause 805)
  - Class 2A - 2C
  - Glacial till
  - Rock
  - Engineered Clay Fill

2	25/05/17	JB	CW	AH
Issue For Planning				
1	23/05/17	JB	CW	AH
Issue for Planning				
0	31/03/17	TC	CW	AH
Issue for Planning				
A	30/03/17	TC	CW	AH
Draft				
Issue	Date	By	Chkd	Appd

**ARUP**  
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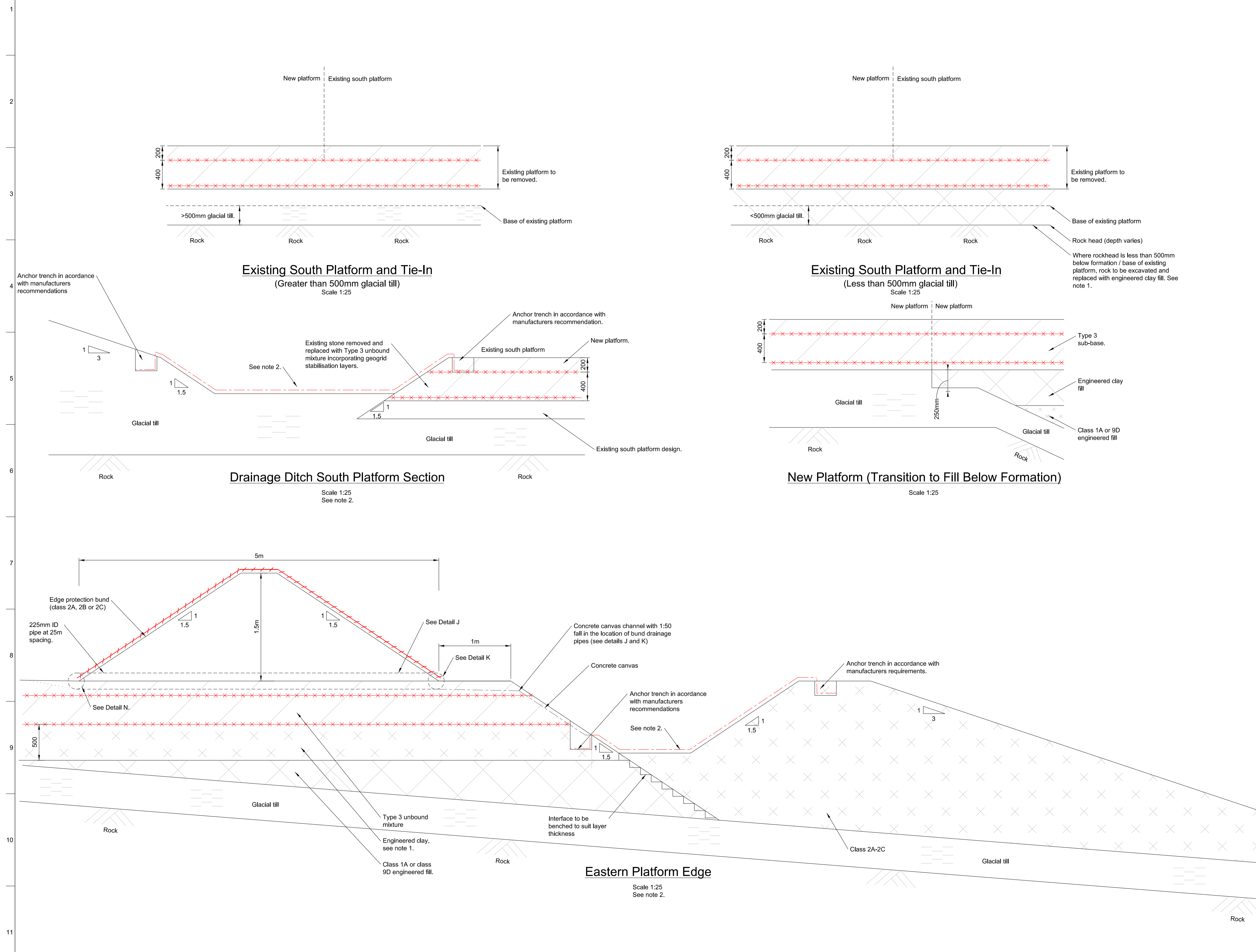
Client  
**Sirius Minerals Plc**

Job Title  
**Woodsmith Mine Proposed Minehead**

**Earthworks Sections Tie-in Details Sheet 1 of 2**

Scale at A1: 1:50

Discipline	Earthworks
Job No	253285
Drawing Status	Planning
Drawing No	40-ARI-WS-71-CI-DR-1060
Issue	2



- Notes:
- Where glacial till is less than 500mm thick, underlying rock to be excavated and replaced with compacted clay to achieve a permeability  $\leq 1 \times 10^{-7}$  m/s and air voids  $\leq 5\%$ . Glacial till thickness to be confirmed during construction with trial pits at 25m c/c.
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Issue for planning				
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Issue for Planning				
A	30/03/17	TC	CW	AH
Draft				
Issue	Date	By	Chkd	Appd

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Client  
**Sirius Minerals Plc**

Job Title  
**Woodsmith Mine**

**Earthworks Sections  
 Tie-in Details  
 Sheet 2 of 2**

Scale at A1 1:50

Discipline Earthworks

Job No <b>253285</b>	Drawing Status <b>Planning</b>
Drawing No <b>40-ARI-WS-71-CI-DR-1061</b>	Issue <b>2</b>