

- Notes:
- All elevations are in metres above Ordnance Datum.
  - The volumes shown do not account for any additional granular material import that may be required by the contractor for the creation of temporary construction haul roads, in addition to those shown on this drawing.
  - Assumed existing and proposed earthworks layer thicknesses are as follows:
    - Existing Top soil layer thickness 0.2m.
    - Existing Sub soil layer thickness 0.5m.
  - For sections refer to drawing 40-ARI-WS-71-CI-DR-1052.
  - All embankments and cuttings to be seeded.
  - For the earthwork volumes refer to drawing 40-ARI-WS-71-CI-DR-1054.
  - Working platform build-up (Area 9) is 600mm Type 3 unbound mixture incorporating geogrid reinforcement layers.
  - Laydown area build-up (Areas 10, 11, 12) is 500mm type 3 unbound mixture incorporating geogrid reinforcement layers.
  - Proposed restoration soil thicknesses are as follows:

	Top soil	Sub soil
Woodland (Non Capped)	0.30m	0.90m
Woodland (Capped)	0.30m	1.70m
Scrub	0.15m	0.60m
Grassland	0.30m	0.20m

- Key:
- Phase 2
  - Phase 3
  - LLDPE Groundwater protection layer. Actual extents to be confirmed on site. LLDPE membrane to be protected using geotextile protection layers above and below.

0	31/03/17	JB	CW	AH
Issued for Planning				
B	30/03/17	JB	CW	AH
Draft				
A	07/03/17	JB	CW	AH
Draft				
Issue	Date	By	Chkd	Appd

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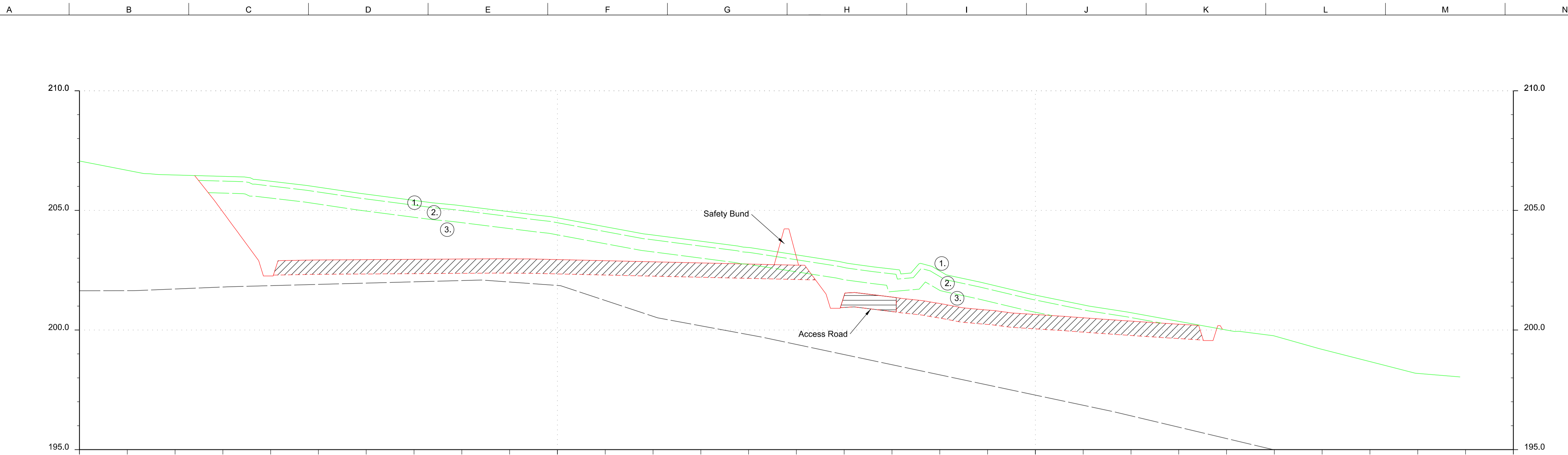
Client  
**Sirius Minerals Plc**

Job Title  
**Woodsmith Mine**

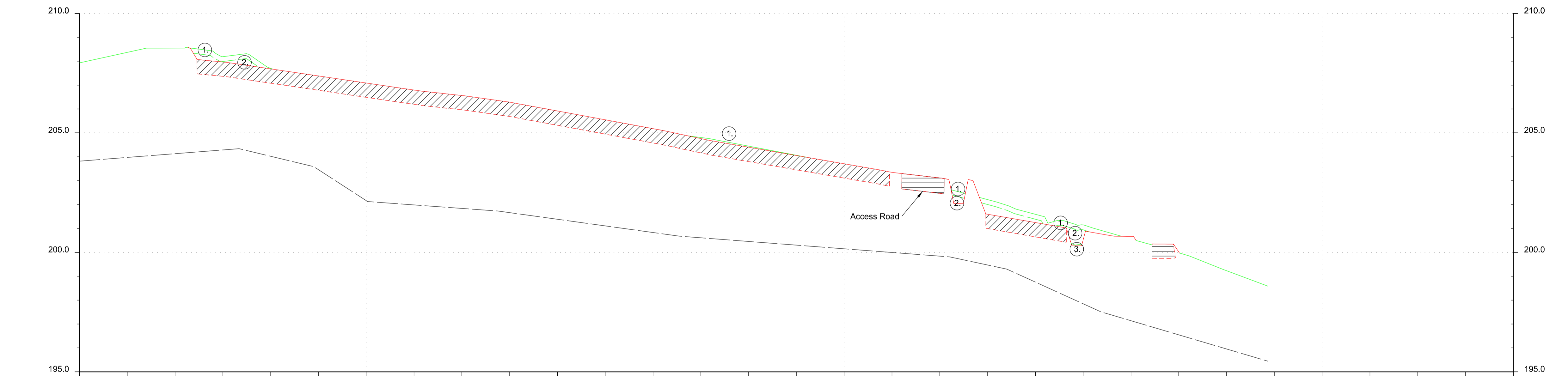
**Woodsmith Mine Site  
 Construction Phase 3  
 Earthworks Strategy**

Scale at A1 1:2000  
 Discipline Highways  
 Job No 253285 Drawing Status Planning  
 Drawing No 40-ARI-WS-71-CI-DR-1053 Issue 0

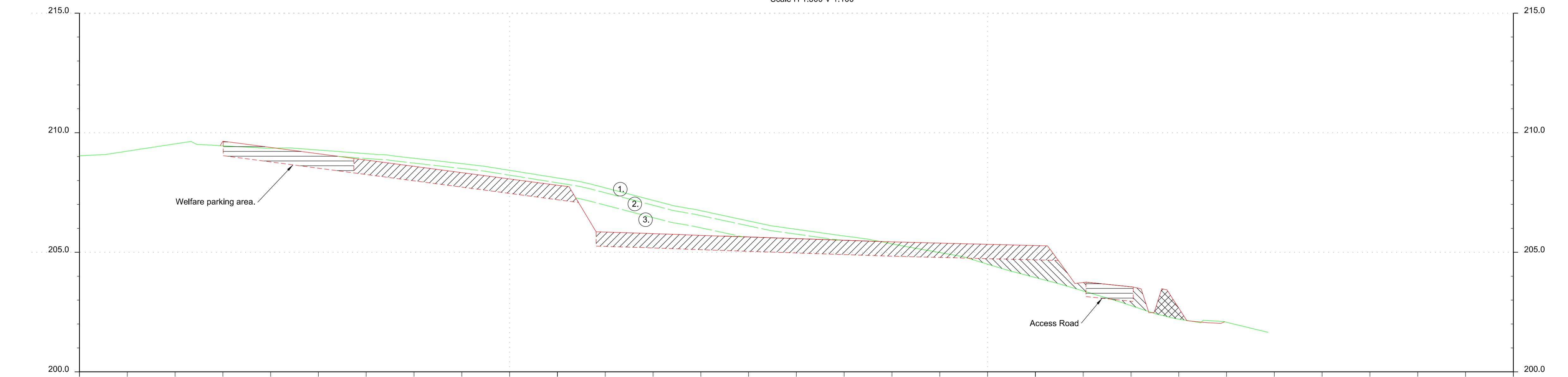
A1  
1  
2  
3  
4  
5  
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7  
8  
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10  
11



**Section A-A**  
Scale H 1:500 V 1:100



**Section B-B**  
Scale H 1:500 V 1:100



**Section C-C**  
Scale H 1:500 V 1:100

- Notes:
- All levels are in metres unless stated otherwise.
  - For section location refer to drawing 40-ARI-WS-71-CI-DR-1053.

- Key:
- Existing ground profile
  - Proposed platform profile
  - Approximate level of rockhead
  - Base of new platform construction

- Key to assumed platform pavement construction depths and details:
- Top Soil Cut
  - Sub-Soils Cut
  - Superficial Soils Cut
  - Platform Construction (Import)
  - Class 1A Fill (Import)
  - Superficial Soils / Clay
  - Road construction

0	31/03/17	JB	CW	AH
Issued for Planning				
B	30/03/17	JB	CW	AG
Draft for comment				
A	07/03/17	JB	CW	AH
Draft				
Issue	Date	By	Chkd	Appd

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Job Title  
**Woodsmith Mine**

**Woodsmith Mine Site  
Construction Phase 3  
Sections**

Scale at A1  
1:500  
Discipline  
Highways  
Job No  
**253285**  
Drawing No  
**40-ARI-WS-71-CI-DR-1052**  
Drawing Status  
**Planning**  
Issue  
**0**



Key:

	Phase 3 Tree and Hedgerow Clearance
	Phase 2 Tree and Hedgerow Clearance
	Phase 2 Scrub Clearance

0	31/03/17	JB	CW	AH
Issued for Planning				
B	30/03/17	JB	CW	AH
Draft for comment				
A	27/02/17	EC	CW	AH
Draft				
Issue	Date	By	Chkd	Appd

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Job Title  
**Woodsmith Mine  
 Proposed Minehead**

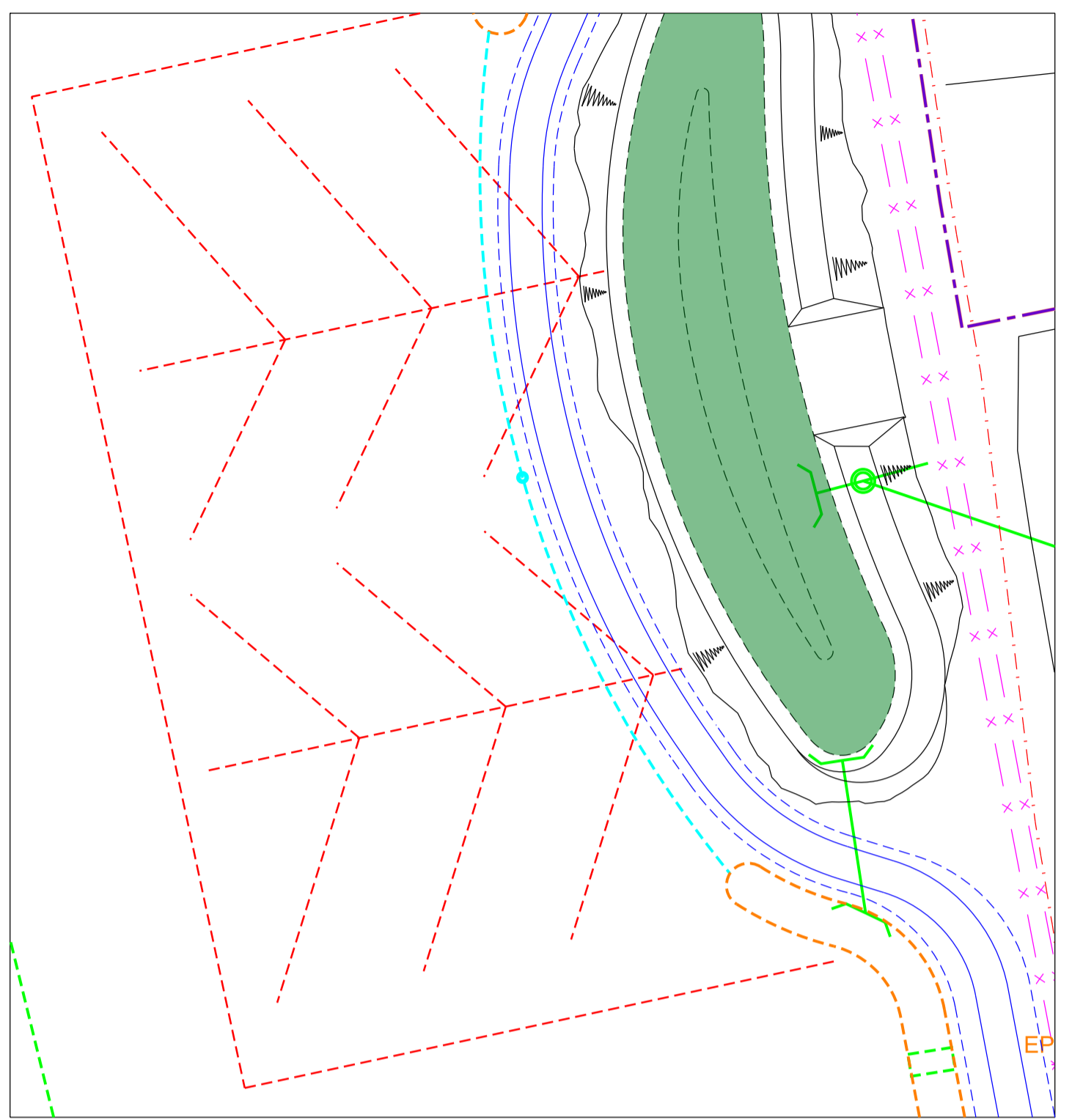
**Woodsmith Mine Site  
 Construction Phase 3  
 Vegetation Clearance**

Scale at A1 1:2000

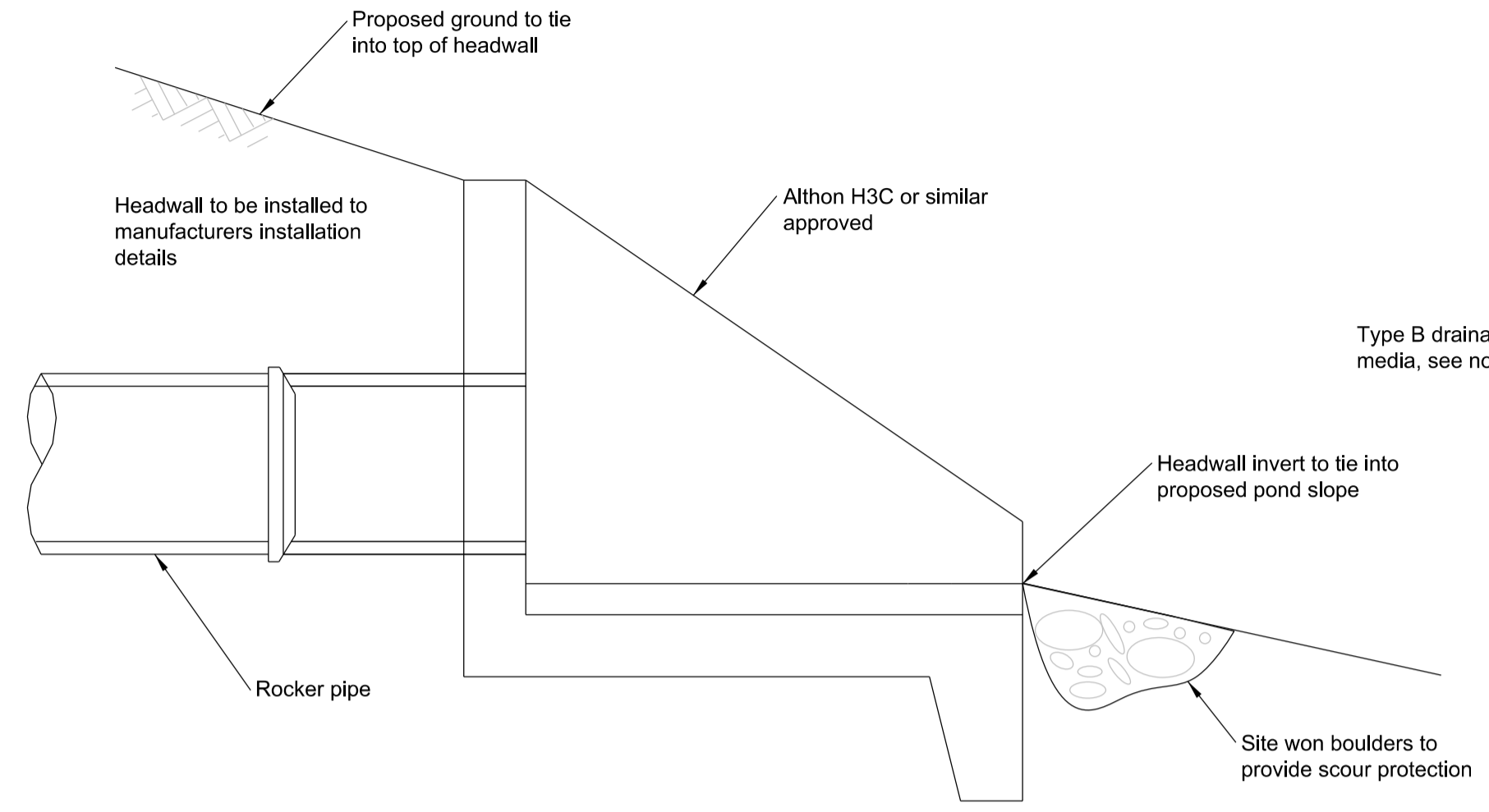
Discipline **Highways**

Job No <b>253285</b>	Drawing Status <b>Planning</b>
Drawing No <b>40-ARI-WS-71-CI-DR-1051</b>	Issue <b>0</b>

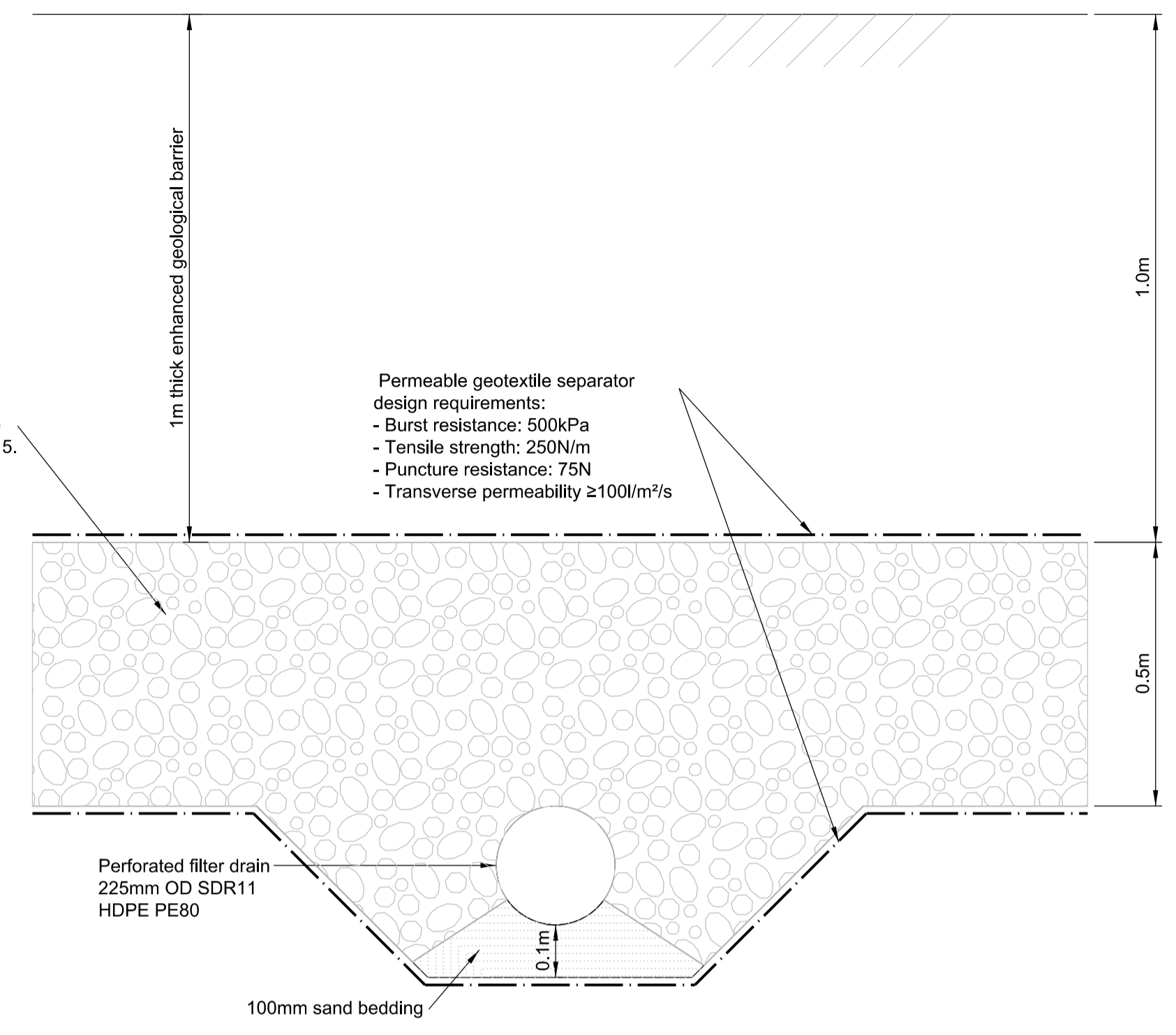
A1  
1  
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11



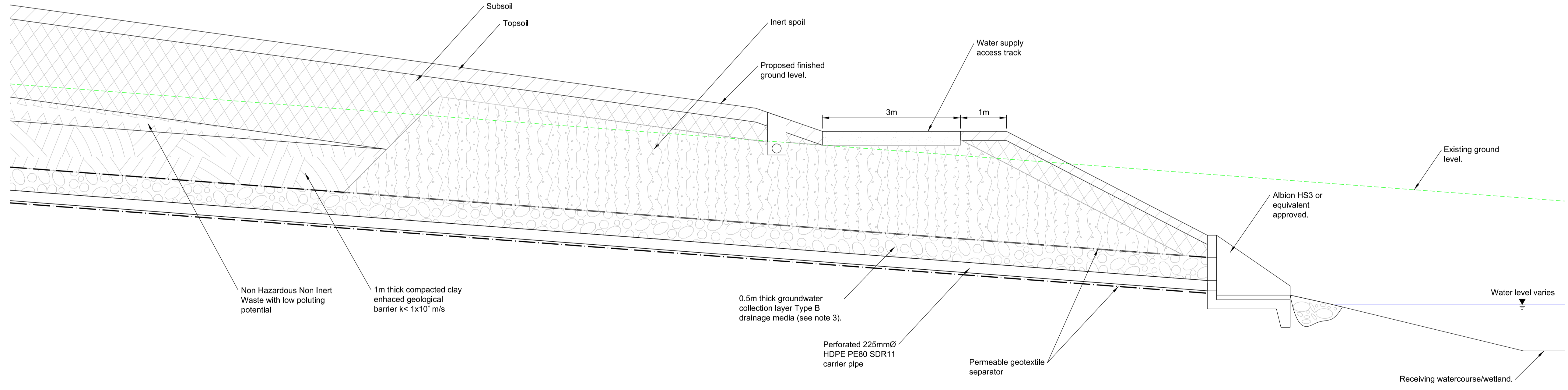
**Plan of filter drain arrangement  
beneath drainage blanket**  
Scale 1:500



**Typical Headwall Detail**  
Scale 1:10



**Typical Detail of Filter Drain for Under Bund  
Drainage Blanket**  
Scale 1:10



**Typical Long Section Groundwater Drainage Blanket**  
Scale 1:50

Notes:

1. Rocker pipe lengths as follows:

Schedule of rocker pipe length	
Nominal diameter of pipe (mm)	Rocker pipe length (mm)
150 to 600	600
675 to 750	1000
over 750	1250

0	31/03/17	JB	CW	AH
Issue for Planning				
B	30/03/17	TC	CW	AG
Draft				
A	07/03/17	TC	CW	AH
Draft Issue				
Issue	Date	By	Chkd	Appd

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Job Title  
**Woodsmith Mine**

**Woodsmith Mine Site  
Drainage Blanket**

Scale at A1  
As shown

Discipline  
Drainage

Job No  
**253285**

Drawing Status  
**Planning**

Drawing No  
**40-ARI-WS-71-CI-DR-1080**

Issue  
**0**