

NYMNP

05/12/2018

**From:** John Drabble  
**Sent:** 05 December 2018 13:56  
**To:** Rob Smith  
**Cc:** Robert Staniland; Mark Bates  
**Subject:** Woodsmith Mine - Application for Hazardous Substances Consent - LNG Compound Layout Update

Dear Rob,

In respect of our recent application for a Hazardous Substances Consent, please find attached updated versions of the following plans:

- LNG / Generator Plant Compound Layout Plan (ref. 40-ARI-WS-7100-CI-18-01026); and
- LNG / Generator Plant Sections (ref. 40-ARI-WS-7100-CI-10-01027).

These supersede those that were originally submitted on 12th October 2018 and reflect:

- A revised lighting scheme;
- The removal of fire water and foam storage tanks; and
- The introduction of a 3m timber screening fence at the south-western boundary of the site.

The location, capacity, transfer and use activities of the LNG have not changed. The lighting

scheme and screening fence are to address initial queries in respect of the planning considerations, given the location within the National Park. The water and foam storage tanks were included as a presumption in the initial design, but following detailed QRA (quantified risk assessment) and Hazop (hazard and operability study) procedures in the detailed design stage, it was concluded that the risks of a release and then ignition would be extremely low. On the basis of the risk assessments Sirius have concluded that the risk is sufficiently low that a dedicated fire suppression system for the LNG compound is not required. The Hazop conclusions were that industry good practice for a LNG facility in a remote area does not require a fire suppression.

We acknowledge that this will require the Park Authority to distribute these updated plans to the relevant consultees, but wanted to keep you fully informed of the facility design changes. If you have any further queries, please do not hesitate to contact me.

Regards, John

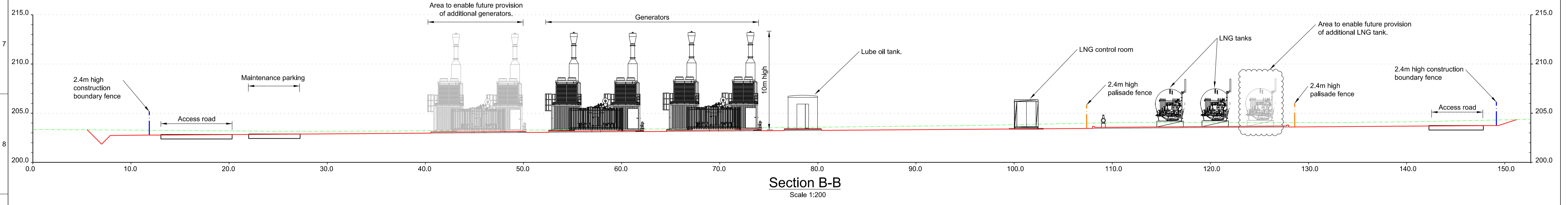
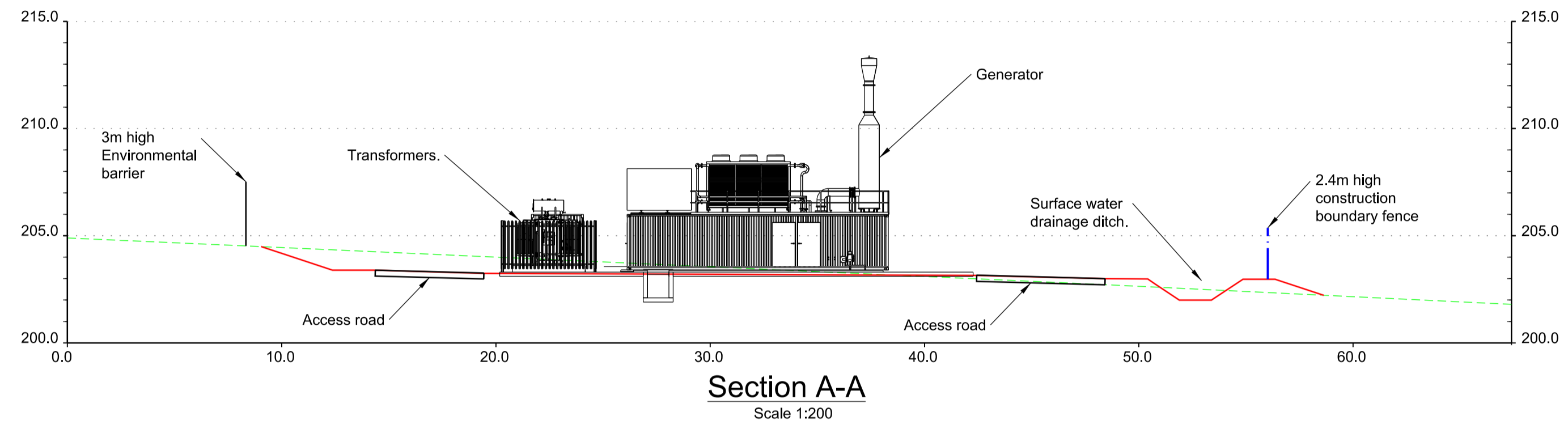
**John Drabble BSc(Hons) MSc MIAQM MIEMA CEnv**  
**Environment Industry Sector Director,**  
**Industry & Buildings Business Line**

NYMNPA

05/12/2018

NYMNP  
05/12/2018

AMENDED



**Notes:**  
1. For sections locations refer to drawing 40-ARI-WS-7100-CI-18-01026.

**Key:**  
— Proposed ground  
— Existing ground

2	26/11/18	CG	CW	CW
Planning				
1	23/11/18	KK	CW	CW
Planning				
0	05/10/18	KK	CW	CW
Planning				
Issue	Date	By	Chkd	Appd



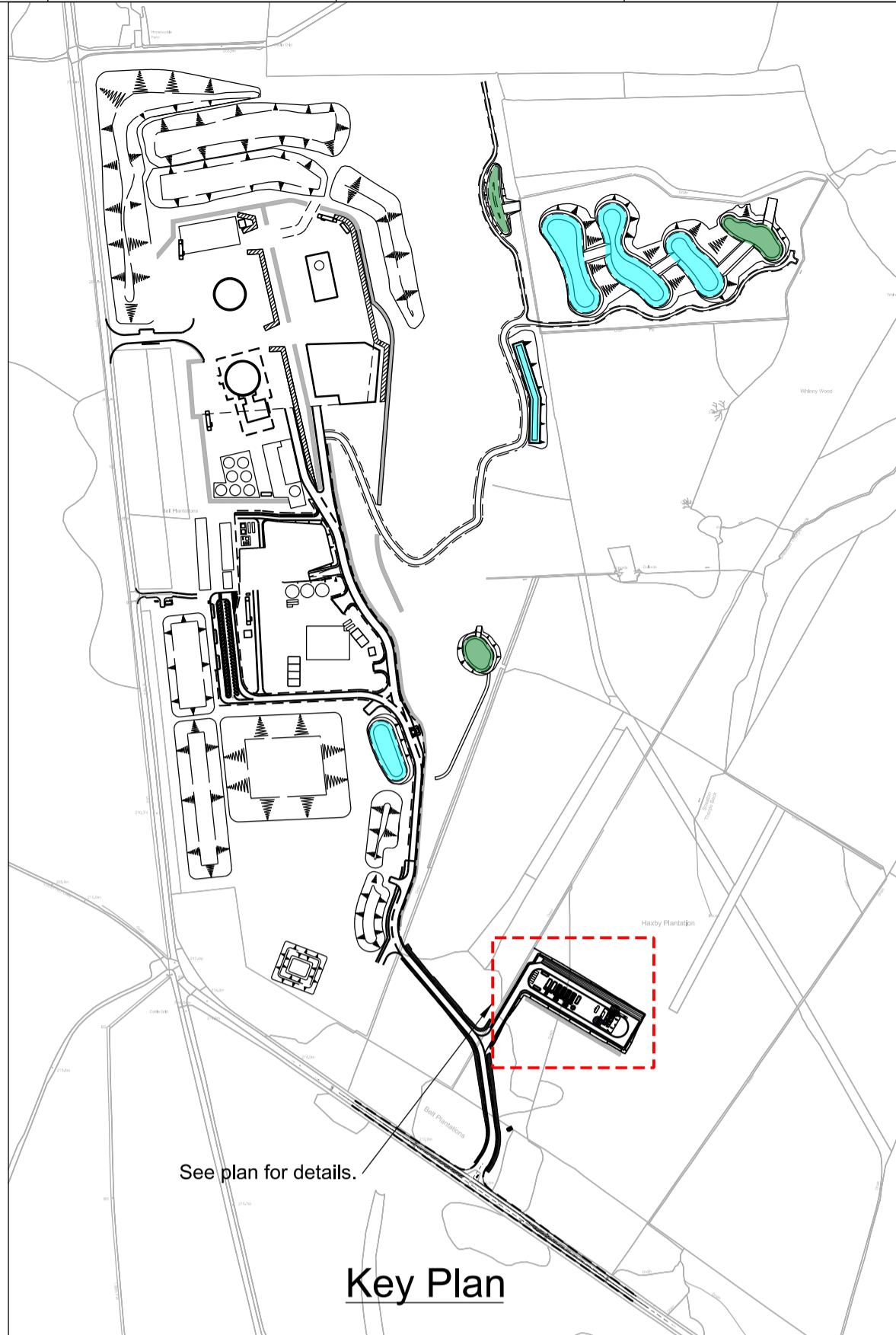
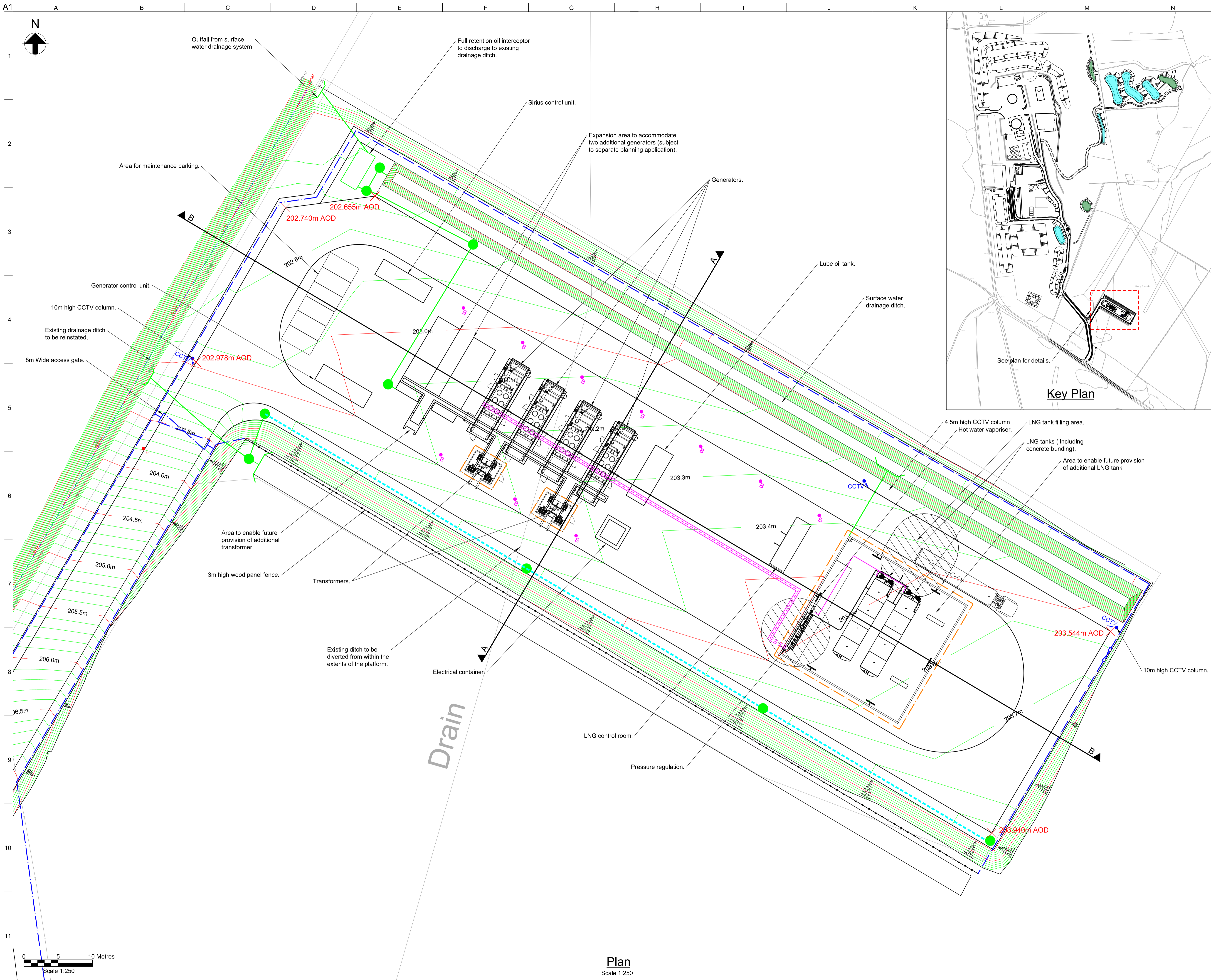
Client  
**Sirius Minerals Plc**

Job Title  
**Woodsmith Mine  
Proposed Minehead**

Woodsmith Mine  
Section 96a  
LNG / Generator Plant  
Sections

Scale at A1	1:200
Discipline	Civils
Job No	253285
Drawing No	40-ARI-WS-7100-CI-10-01027
Drawing Status	Planning
Issue	2





- Notes:
- For sections refer to drawing 40-ARI-WS-7100-CI-10-01027.
- 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
  - 3m high wood panel fence
  - CCTV
  - CCTV column
  - 1m High lighting bollard
  - LNG compound lighting
  - Exclusion zone. Open drains and access ways to underground drains are not permitted within hatched area

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**AMENDED**

2	27/11/18	JB	CW	CW
Planning				
1	23/11/18	CG	CW	CW
Planning				
0	05/10/18	KK	CW	CW
Planning				
A	04/10/18	KK	CW	CW
Draft				
Issue	Date	By	Chkd	Appd

**ARUP**  
Admiral House, Rose Wharf,  
78 East Street, Leeds, LS9 8EE

Client  
Sirius Minerals Plc

Job Title  
Woodsmith Mine  
Proposed Minehead

Woodsmith Mine  
Section 96a  
LNG / Generator Plant  
Compound

Scale at A1 1:500  
Discipline Civil  
Job No 253285  
Drawing No 40-ARI-WS-7100-CI-18-01026  
Drawing Status **Planning**  
Issue 2