



- KEY**
- EXTENT OF WORKS
  - 1km OFFSETS FROM EXTENT OF WORKS BOUNDARY
  - ZONE OF THEORETICAL VISIBILITY COMMON TO BOTH APPROVED SCHEME WINDING TOWERS & PROPOSED D-WALL RIGS
  - ZONE OF THEORETICAL VISIBILITY FOR APPROVED SCHEME WINDING TOWERS
  - NORTH YORK MOORS NATIONAL PARK BOUNDARY
  - HERITAGE COAST
- NORTH YORK MOORS NATIONAL PARK  
LANDSCAPE TYPES & AREAS  
(From North York Moors Landscape Character Assessment, WYG, 2003)
- FOREST  
Langdale / Harwood Dale / Newton House 3(b)
  - MOORLAND  
Central & Eastern Moors 1(b)
  - CENTRAL VALLEY  
Lower Esk Valley 8(b)
  - COAST AND COASTAL HINTERLAND  
Boulby - Whitby 4(a)  
Whitby - Cloughton 4(b)

SCARBOROUGH BOROUGH COUNCIL  
LANDSCAPE CHARACTER TYPES / AREAS  
(From Scarborough Borough Landscape Study:  
Volume 1 - Borough wide Landscape Character Assessment, 2013)

LANDSCAPE CHARACTER TYPE / AREA BOUNDARY

COASTAL CLIFFS:  
G1 - Whitby to Sandsend  
G2 - Whitby Abbey

COASTAL HINTERLAND:  
D1 - Sandsend  
D2 - Whitby Abbey

RIVER VALLEY:  
F1 - Esk

UPPER VALLEY SIDE:  
H1 - Esk

SETTLEMENT FRINGE:  
I1 - Whitby

Note:  
Study area lies within the National Character Area 25:  
North York Moors & Cleveland Hills

- Notes:
- ZTV analysis:
    - ZTV analysis points based on approved scheme Winding Towers at 45m above finished floor level of 200.7m AOD
    - ZTV analysis points for proposed D-Wall Rigs based on tallest part of rig at 26.2m above varying finished floor levels (203.7m AOD, 203.2m AOD & 200.7m AOD depending on location of rig). The D-Wall Rigs ZTV includes 3m shaft top analysis points.
  - Existing woodlands included in the Digital Terrain Model - woodland heights within site based on survey data, woodlands heights within wider study area assumed to be 10m above ground level.
  - Observers eye level 1.7m.
  - Extent of ZTV limited to 7km distance from analysis points
  - Analysis adjusted for earth curvature / refraction

Revision 01. 2017/07/04.  
Amended to latest construction stage details

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Project:

**WOODSMITH MINE  
SES LANDSCAPE & VISUAL ASSESSMENT**

Drawing Title:  
**ZONE OF THEORETICAL VISIBILITY -  
CONSTRUCTION STAGE, APPROVED WINDING  
TOWERS & PROPOSED D-WALL RIGS (LANDSCAPE  
CHARACTER & LANDSCAPE DESIGNATIONS, WITH  
WOODLANDS)**

Drawing Number: 2354.MH ZTV LCA02  
Revision: 01

Scale: 1:25,000 @ A1  
Date: JUNE 2017

Drawn: MW  
Checked: SW

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