



- 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, 2002)
- FOREST
Langdale / Harwood Dale / Newton House 3(b)
 - MOORLAND
Central & Eastern Moors 1(b)
 - CENTRAL VALLEY
Lower Esk Valley 2(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:
 - Towers at 45m above finished floor level of 200.7mAOD.
 - ZTV analysis points for proposed D-Wall Rigs based on tallest part of rig at 26.2m above varying finished floor levels (203.7mAOD, 203.2mAOD & 200.7mAOD depending on location of rig). The D-Wall Rigs ZTV includes 3nr shaft top analysis points.
 - Existing woodlands included in the Digital Terrain Model - woodland heights within site based on survey data, woodland 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
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Drawn: MW	Checked: SW

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