



**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
- 49 RESIDENTIAL RECEPTOR REFERENCE NUMBER
- \* SCHEDULED MONUMENT
- CONSERVATION AREAS
- REGISTERED PARKS AND GARDENS
- LISTED BUILDING - GRADE 1 / 2 (FROM ENGLISH HERITAGE ONLINE REGISTER)
- ACCESS LAND
- FOOTPATHS
- BRIDLEWAYS
- PARISH BOUNDARY / PUBLIC RIGHT OF WAY NUMBER CHANGE POINT
- NATIONAL SUSTRANS CYCLE ROUTES
- REGIONAL SUSTRANS CYCLE ROUTES
- MOOR TO SEA CYCLE NETWORK:  
(Note: where routes follow Sustrans Cycle Routes label only shown)
- 2M2S: Whitby to Ravenscar
- 7M2S: Whitby to Danby
- 9M2S: Langdale End to Whitby
- NATIONAL TRAIL CLEVELAND WAY
- COAST TO COAST WALK
- ESK VALLEY WALK
- THE CINDER TRACK

Note:  
Coast to Coast Walk route is updated to website  
[www.wainwright.org.uk](http://www.wainwright.org.uk) route changes, May 2014.

- Notes:**
- 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 are not included in the Digital Terrain Model.
  - 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

**Estell Warren**  
Landscape Architecture

Estell Warren Ltd  
66 Cheapside  
Leeds Road  
Osby  
LS21 1BT  
Tel: 01943 454384  
Email: [enquiries@estellwarren.co.uk](mailto:enquiries@estellwarren.co.uk)  
Web: [www.estellwarren.co.uk](http://www.estellwarren.co.uk)

**SIRIUS**  
MINERALS PLC

Project:  
**WOODSMITH MINE  
SES LANDSCAPE & VISUAL ASSESSMENT**

Drawing Title:  
**ZONE OF THEORETICAL VISIBILITY -  
CONSTRUCTION STAGE, APPROVED WINDING  
TOWERS & PROPOSED D-WALL RIGS  
(VISUAL RECEPTORS, WITHOUT WOODLANDS)**

Drawing Number: **2354.MH ZTV VR01**      Revision: **01**

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

Drawn: **MW**      Checked: **SW**