02-03

MPG

# Response to Officer Queries No.3

## Site: Horn Crag Quarry

## Proposal: Reopening

Document Reference: 232/5/1—R1.1 V3 - 20230510

MPG

Minerals
Waste
Environment

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| Document Title: | Response to Officer Queries No.3 |
| Document Reference: | 232/5/1—R1.1 V3 - 20230510 |

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Document Versions:

| | |
|---|---|
| 1.0 | 10/05/2023 |

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| Prepared by: | CH | |
| Checked by: | MS | |
| Approved by: | CH | Director |

## 1.0. Officer Query No.1

*"Response of 27 April - Section 2.0. and section 8.0. Thank you for the confirmation that no crushed or screened material will be removed from site, that such activity will cease in the first 12 months and it is only the fraction that for dry stone wall or dimensional stone that will be removed - however, can you please give an estimate of the likely quantity to be removed of dry stone wall/block and confirm this will not impact on HGV movements."*

1.1. The HGV movements have been calculated using the existing topography and final extraction profile of the entire site including anticipated wastage factors. Therefore, HGV movements already account for potential exports from the mound of 'mineral waste' which is currently within the footprint of the extraction area.

1.2. There is a surplus of available HGV movements[1] as not all of the mound will be removed from site as the majority does not appear to constitute mineral suitable for building stone applications. The total volume of the mound is 8,000m$^3$, of this, the operator anticipates only some 4,000m$^3$ will be suitable for export.

## 2.0. Officer Query No.2

*"Response of 27 April - Section 6.0. It is stated that the maximum depth is to be 232m as per Quarry Design plan ref: E454-003. It would be useful to have a cross section at the southern part of the site to reflect this maximum depth, as the current cross sections do not reflect this lower point of 232m, nor the 234m excavation contour line - the current cross sections give the impression that the maximum depth is 236m."*

2.1. Additional cross section attached at Appendix A.

[1] There will be a theoretical surplus of some 62,000 tonnes' worth of HGV movements over the 20 year lifetime of the quarry, or 3,100 tonnes per annum. This is the case because the HGVs are worked out on a weekly average not daily limit. There is a surplus of available HGV movements regardless of how much building stone is recovered from 'the mound'.

3.0. *Response of 27 April - Section 7.0. Please provide the details of the person referenced Also, can you please be very clear which properties are served by the water supply from the spring collection chambers. The response of the 27 April 2023 seems to infer it only one property draws water, but then notes "...they were acting as a point of relay for information to the other nearby residents..." . The submission by Hafren water notes "The water passes to a second chamber where it is filtered before being piped to the properties at Fish Beck." EH have previously noted that 6 properties are effected and if this is the case we are somewhat surprised that no direct contact appears to have been made with any other residents who may be effected and with only verbal conversations with one residential property. We note the borehole is no longer on offer, is this the case for the previous offered mains water supply as well?*

3.1. Firstly, and most importantly, the applicant has demonstrated through drilling, groundwater monitoring and a Hydrogeolgical Risk Assessment, that the quarry profile and the base of extraction do not interact with groundwater and therefore the chamber supply. This conclusion renders the point at paragraph 3.4 moot and we have only responded for completeness and transparency.

3.2. We note and welcome the conclusion of the Environment Agency's specialist officers who have likewise not taken issue with this approach and have no objection to the proposals.

3.3. We note your surprise but continuing any dialogue (had the contact still been amenable) regarding the provision of a borehole or mains water to any residential property once this had been established was not necessary as there is, demonstrably, no mitigation required.

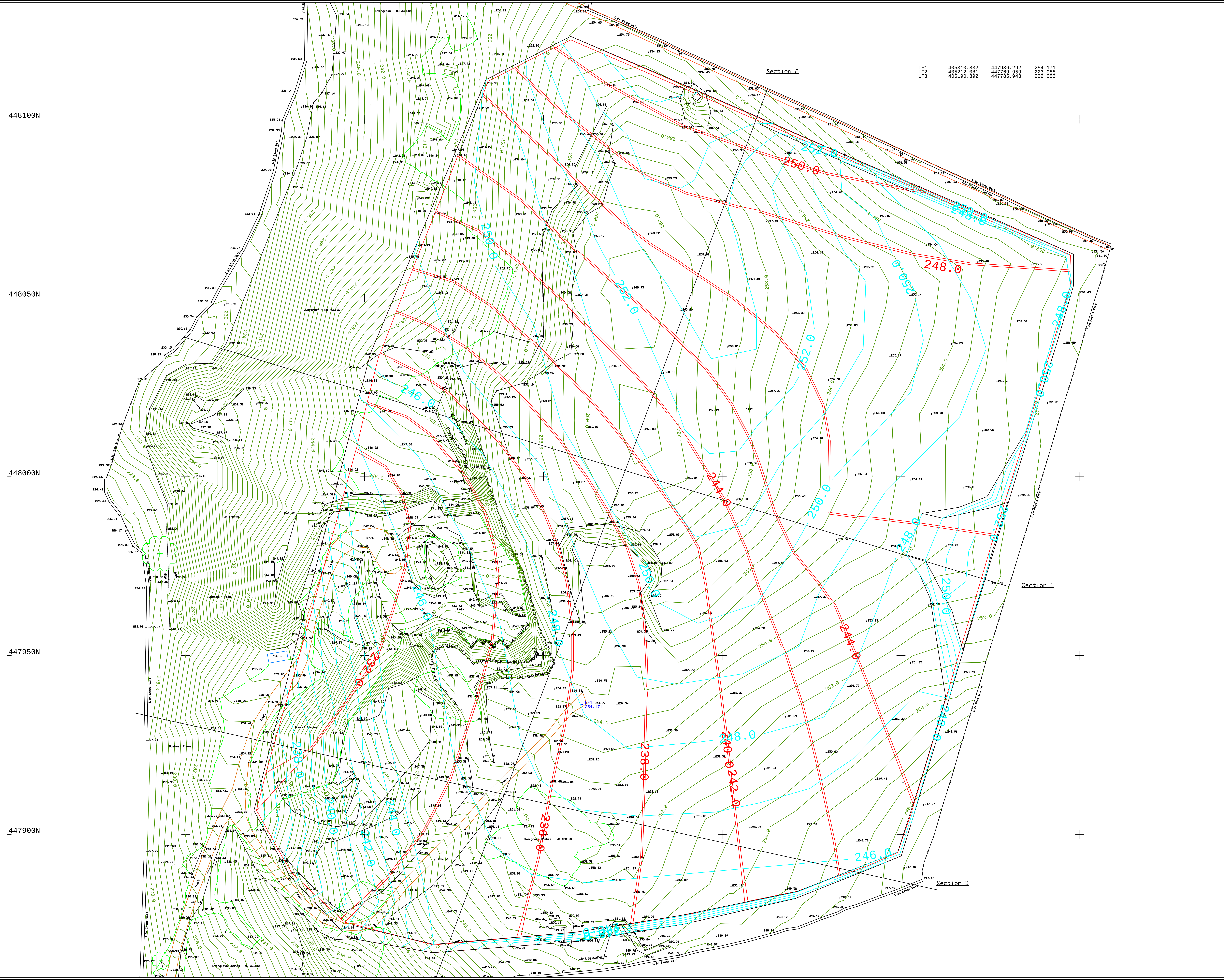
3.4. Secondly, and without prejudice to the first point, the chamber in question is diminutive (Appendix B) and the applicant has never seen it full. The chamber is fed by what can only be described as a 'trickle' of spring water (that is ephemeral in dry summers). Based on our working knowledge of similar systems this chamber is unlikely to be able to reliably satisfy the needs of one domestic property (let alone several) and the applicant would welcome a visit from officers to draw their own conclusions if necessary.

3.5. In summary, the applicant has demonstrated that there will be no impact upon the chamber should the quarry be worked to its proposed base of extraction. Furthermore, the Environment Agency have no objection to the proposal and recommend a 'safeguarding' condition which the applicant welcomes and accepts entirely as drafted.

3.6. The applicant has only provided additional responses for completeness and transparency, they are superseded for the purposes of the planning application by the findings of the independent Hydrogeological Risk Assessment.

Appendix A

232m Cross Section



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| LF2 | 405212.081 | 447769.959 | 223.088 |
| LF3 | 405190.392 | 447785.943 | 222.053 |

## Legend

Boundary Type and Description

| | |
|---|---|
| C/B | Close Board |
| C/L | Chain Link |
| FE | Misc. |
| K/R | Knee Rail |
| O/B | Open Board |
| Pal | Palisade |
| M/R | Metal Railings |
| Pick | Picket |
| P/R | Post & Rail |
| P/W | Post & Wire |
| W/M | Wire Mesh |
| Brick | Brick Wall |
| Brick Ret. | Brick Retaining Wall |
| Stone | Stone Wall |
| Stone Ret. | Stone Retaining Wall |
| Block | Block Wall |
| Misc | Misc. Wall |
| ⋈ | Gate |

Vegetation

| | |
|---|---|
| | Hedge |
| | Edge of Hedge |
| | Edge of Canopy |
| | Tree and Trunk |
| St. | Stump |
| Bush | Bush |
| | Verge |

General Utility Linestyles

| | |
|---|---|
| CD | Drainage Combined |
| FD | Drainage Foul |
| SD | Drainage Surface |
| UD | Drainage Unidentified |
| O/C | O/Head Combined |
| O/E | O/Head Electric |
| | O/Head Lines |
| O/T | O/Head Telecom |

General Survey Abbreviations

| | | | |
|---|---|---|---|
| AV | Air Valve | GV | Gas Valve |
| BH | Borehole Collar | HP | Hand Pit |
| BX | Box (General) | IBO | Illuminated Bollard |
| BX/E | Box (Elec) | IC | Inspection Cover |
| BX/G | Box (Gas) | IL | Invert Level |
| BX/T | Box (Telecom) | KO | Kerb Outlet |
| BX/W | Box (Water) | LP | Lampost |
| BM | Benchmark | LT | Light |
| BO | Bollard | MH | Manhole |
| BS | Bus Stop | Mkr | Marker |
| Bin | Bin | POST | Post (General) |
| BT | Telecom Cover | PB | Post Box |
| CCTV | Air Valve | RE | Rodding Eye |
| CL | Cover Level | RS | Road Sign |
| DK | Dropkerb | Stay | Cable Stay |
| DP | Downpipe | SV | Stop Valve |
| DP/G | Downpipe/Gully | TL | Traffic Light |
| EC | Electric Cover | TFR | Taken From Records |
| EOR | End of Records | TP | Telecom Pole |
| EOS | End of Survey | TV | Cable TV |
| EOT | End of Trace | UTGA | Unable to Gain Access |
| EP | Electric Pole | UTL | Unable to Lift |
| ER | Earth Rod | UTS | Unable to Survey |
| FH | Fire Hydrant | UTT | Unable to Trace |
| FL | Floor Level | WL | Water Level |
| FP | Flag Pole | WS | Window Sample |
| GP | Gate Post | | |
| G | Girder | | |
| GU | Gully | | |

Measured Survey Abbreviations

| | | | |
|---|---|---|---|
| AC | Air Conditioning | SCH | Structural Ceiling Height |
| AH | Access Hatch | SKY | Sky Light |
| AP | Access Panel | W | Window Height |
| BH | Beam Height | | |
| C | Cill Height | | |
| DH | Door Height | | |
| FCH | False Ceiling Height | | |
| FL | Floor Level | | |
| Ht. | Height (General) | | |
| RD | Radiator | | |

CO-ORDINATES AND ELEVATIONS ARE SET BY GNSS AT STATION LF1.
CO-ORDINATES ARE TO OS NATIONAL GRID USING OSTN15 TRANSFORMATION
LEVELS ARE TO ORDNANCE DATUM USING OSGM15 GEOID MODEL.
THE REMAINDER OF THE SURVEY IS TO SCALE FACTOR 1 PLANE GRID.

Accuracies are commensurate with the stated scale of the survey.

Regulated by RICS

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CLIENT
The Mineral Planning Group Ltd
Horn Crag Quarry

TITLE
# Quarry Design

| | | | | | |
|---|---|---|---|---|---|
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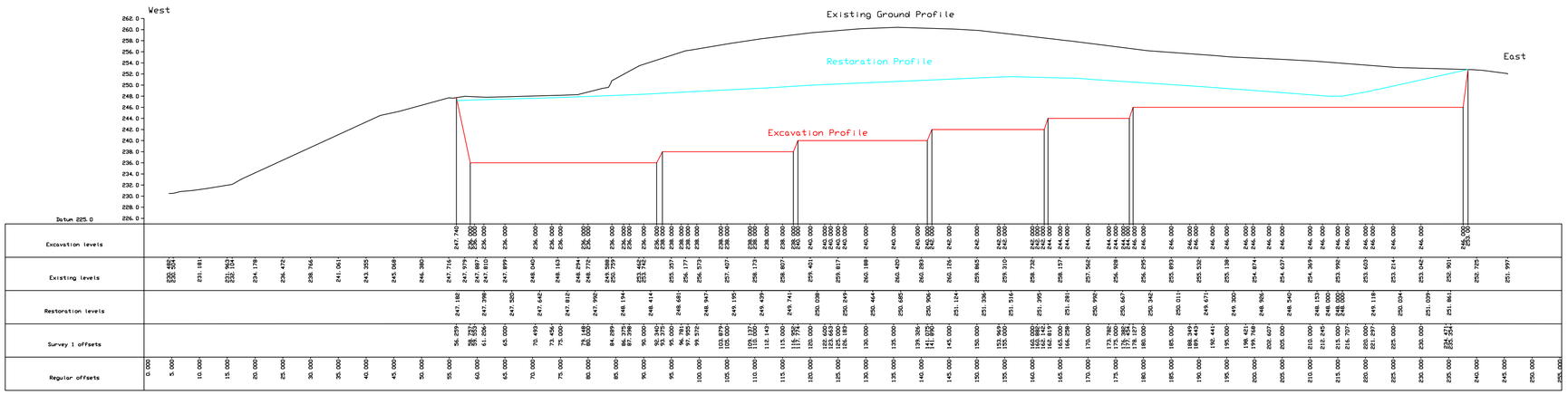
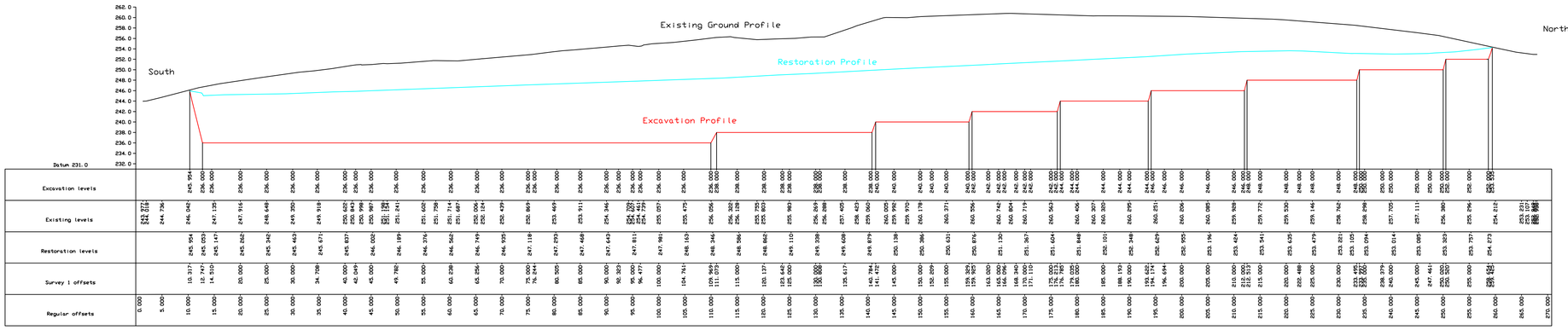
| checked EH | date 11/05/23 | E454-003 | 1/500 |
| clients Ref | | | |




Section 1

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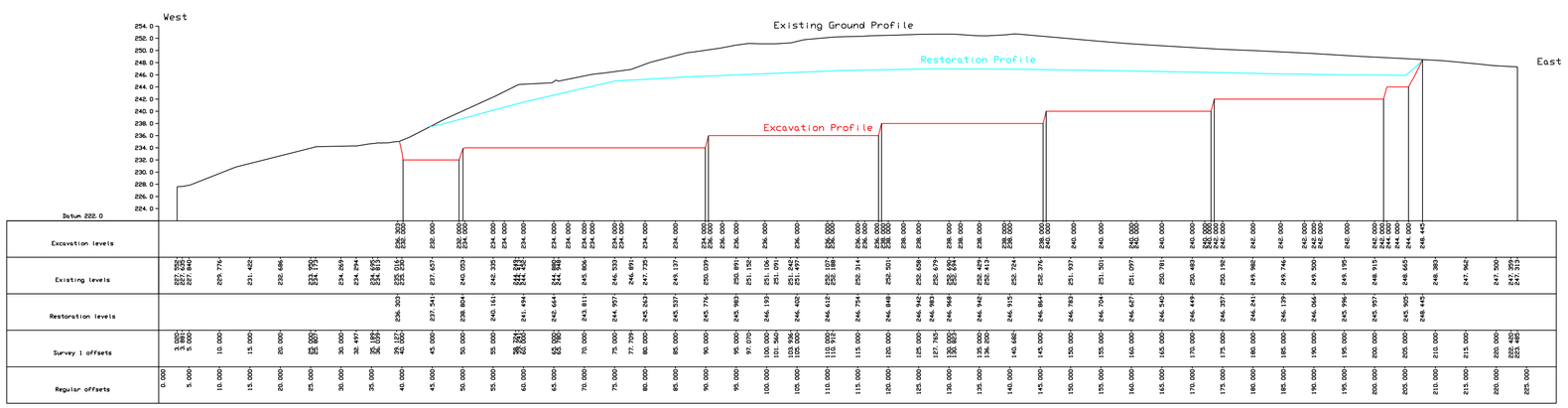


Section 3

## Legend

### Boundary Type and Description

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- O/T — O/Head Telecom

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| BX/T | Box (Telecom) | KO | Kerb Outlet |
| BX/W | Box (Water) | LP | Lamppost |
| BM | Benchmark | LT | Light |
| BO | Bollard | MH | Manhole |
| BS | Bus Stop | Mkr | Marker |
| Bin | Bin | POST | Post (General) |
| BT | Telecom Cover | PB | Post Box |
| CCTV | Air Valve | RE | Rodding Eye |
| CL | Cover Level | RS | Road Sign |
| DK | Dropkerb | Stay | Cable Stay |
| DP | Downpipe | SV | Stop Valve |
| DP/G | Downpipe/Gully | TL | Traffic Light |
| EC | Electric Cover | TFR | Taken From Records |
| EOR | End of Records | TP | Telecom Pole |
| EOS | End of Survey | TV | Cable TV |
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CLIENT
The Mineral Planning Group Ltd
Horn Crag Quarry

TITLE
# Cross Sections

| | | | | | |
|---|---|---|---|---|---|
| drawn | LH | date | 11/05/23 | drawing no | scale |
| checked | EH | date | 11/05/23 | E454-004 | 1/500 |
| clients Ref | | | | | |

Appendix B

Chamber Photos

*Chamber Image A – Inflow seen in top left, image taken in October 2021*

*Chamber Image B – Image Taken in October 2021*