Annex 2. Drawings of the quarry
MÁNY open-pit mine
General drawing

DATA OF THE QUARRY

Name: MÁNY
Coordinates of breakpoints of the quarry threshold

<table>
<thead>
<tr>
<th>Point</th>
<th>X (m)</th>
<th>Y (m)</th>
<th>Ground level (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>623 429.55</td>
<td>244 324.22</td>
<td>209.5</td>
</tr>
<tr>
<td>2</td>
<td>623 412.02</td>
<td>244 304.03</td>
<td>244.4</td>
</tr>
<tr>
<td>3</td>
<td>623 307.41</td>
<td>243 739.81</td>
<td>247.7</td>
</tr>
<tr>
<td>4</td>
<td>622 135.00</td>
<td>242 691.80</td>
<td>309.8</td>
</tr>
<tr>
<td>5</td>
<td>622 900.00</td>
<td>244 290.00</td>
<td>191.5</td>
</tr>
<tr>
<td>6</td>
<td>623 100.00</td>
<td>244 280.00</td>
<td>272.1</td>
</tr>
<tr>
<td>7</td>
<td>623 162.11</td>
<td>244 284.22</td>
<td>194.4</td>
</tr>
</tbody>
</table>

Lower surface height: +180.0 m
Maximum excavated height above sea level: +245.0 m
Area of the quarry: 20 ha 7312 m², 0.21 km²

Treball de Final de Grau:
Rock Slope stability analysis of a North Hungarian open-pit mine

Dept. Enginyeria Civil I Ambiental
Isabella Guzman Rincón
Treball final de Grau
Grau en Enginyeria Civil
UPC, Setembre 2017

Scale: 1:3000
Annex 2.2. Mány Open-pit mine. Slope dip directions and height for each side
MÁNY open-pit mine

Slope dip directions and heigh for each side

180°
max height 210m

117°
max height 212m

180°
max height 212m

69°
max height 205m

272°
max height 244m

251°
max height 245m

351°
max height 245m

Lower surface height: +180.0 m

Treball de Final de Grau:
Rock Slope stability analysis of a North Hungarian open-pit mine

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Isabella Guzman Rincón
Treball final de Grau
Grau en Enginyeria Civil
UPC, Setembre 2017

1:2500

(DIN A3)
Annex 2.3. Mány Open-pit mine. Sections AA and BB
MÁNY open-pit mine. Sections A-A and B-B

A - A SECTION
M 1:1400

B - B SECTION
M 1:1400

Treball de Final de Grau:
Rock Slope stability analysis of a North Hungarian open-pit mine

Dept. Enginyeria Civil I Ambiental
Isabella Guzman Rincón
Treball final de Grau
Grau en Enginyeria Civil
UPC, Setembre 2017

Scale:
M=1:1400
Annex 2.4. Mány Open-pit mine. Kinematic and LEM analysis for planar failure
MÁNY open-pit mine

Kinematic and LEM analysis
for planar sliding

Lower surface height: +180.0 m
Annex 2.5. Mány Open-pit mine. Kinematic and LEM analysis for wedge failure
MÁNY open-pit mine

Kinematic and LEM analysis for wedge sliding