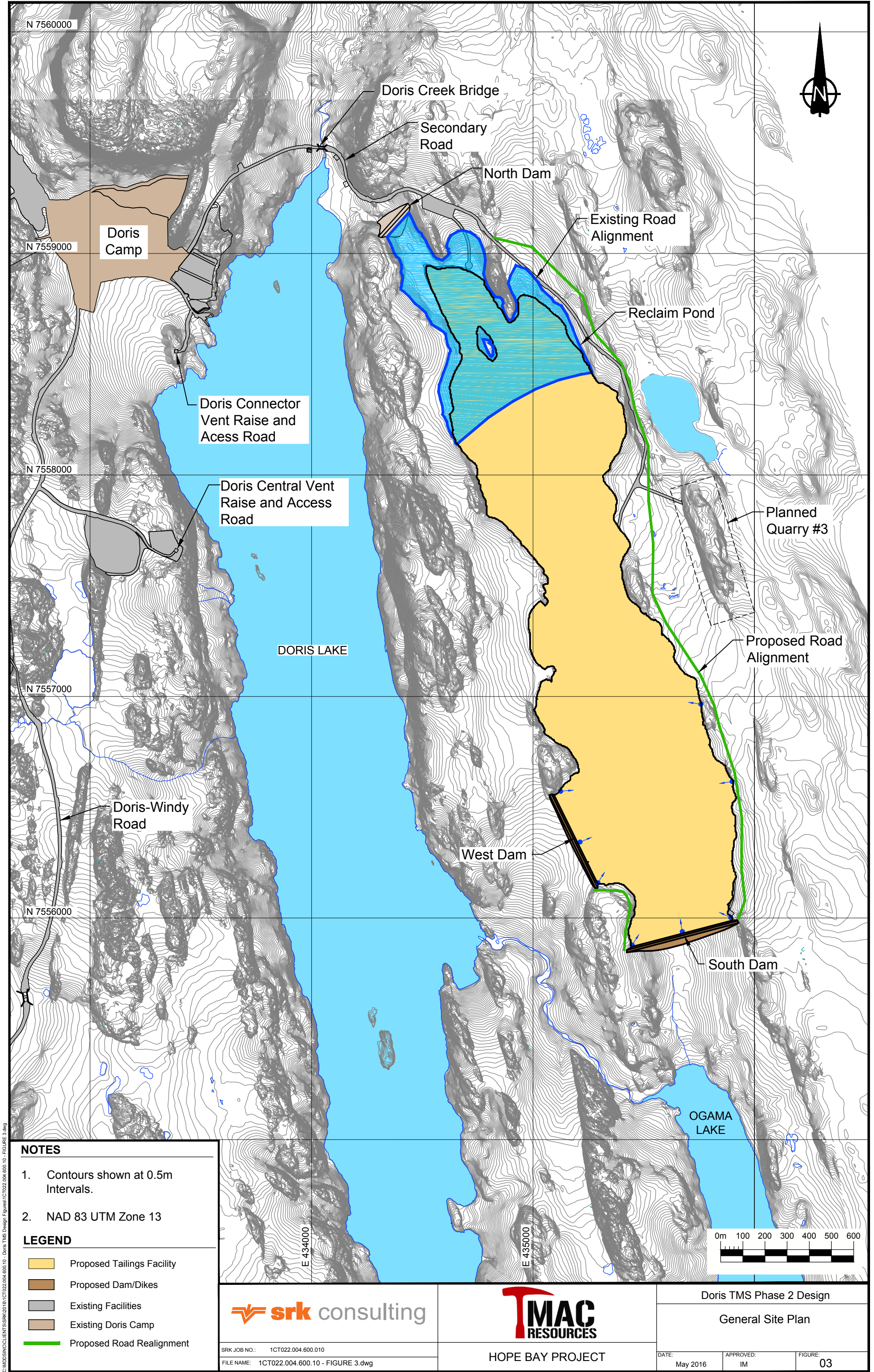


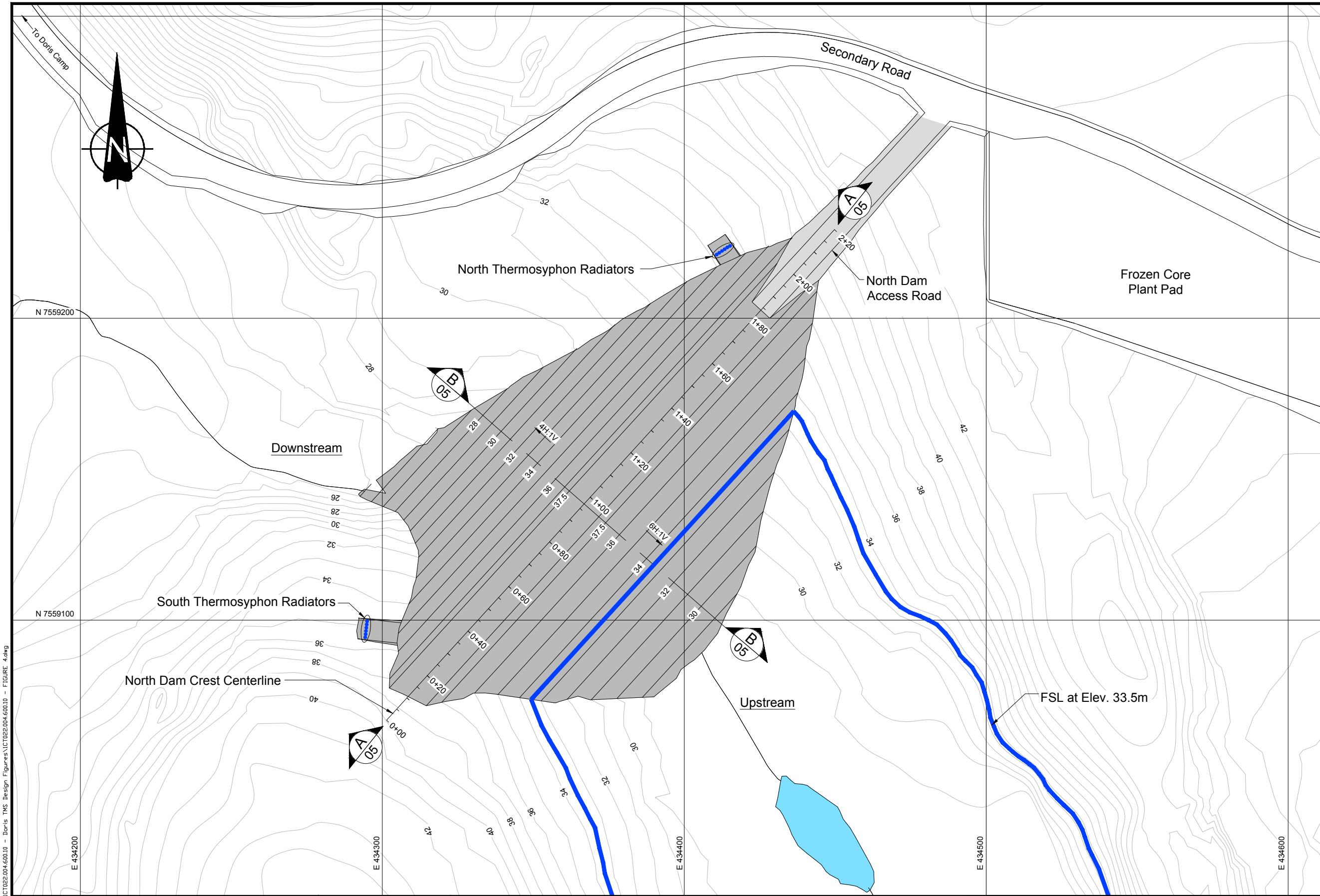


NOTES

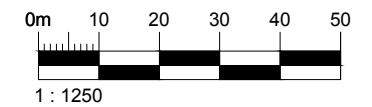
- Contours shown at 0.5m Intervals.
- NAD 83 UTM Zone 13

LEGEND

- Proposed Tailings Facility
- Proposed Dam/Dikes
- Existing Facilities
- Existing Doris Camp
- Proposed Road Realignment



Notes:
1. The co-ordinate system is UTM
NAD 83, Zone 13.



Doris TMS Phase 2 Design

North Dam Plan View

DATE: May 2016	APPROVED: IM	FIGURE: 04
-------------------	-----------------	---------------

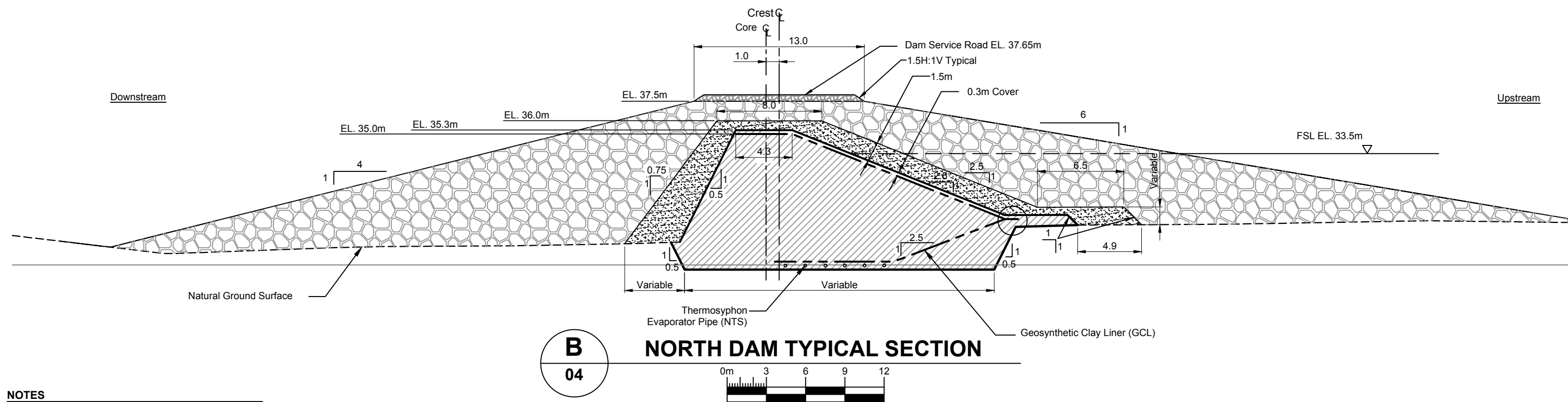
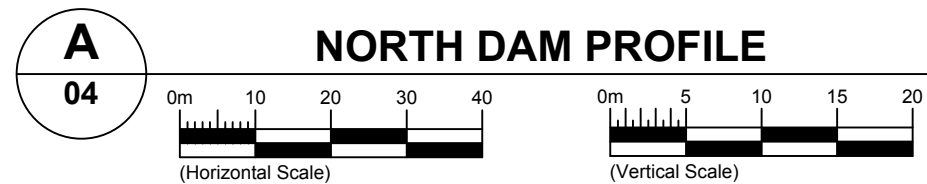
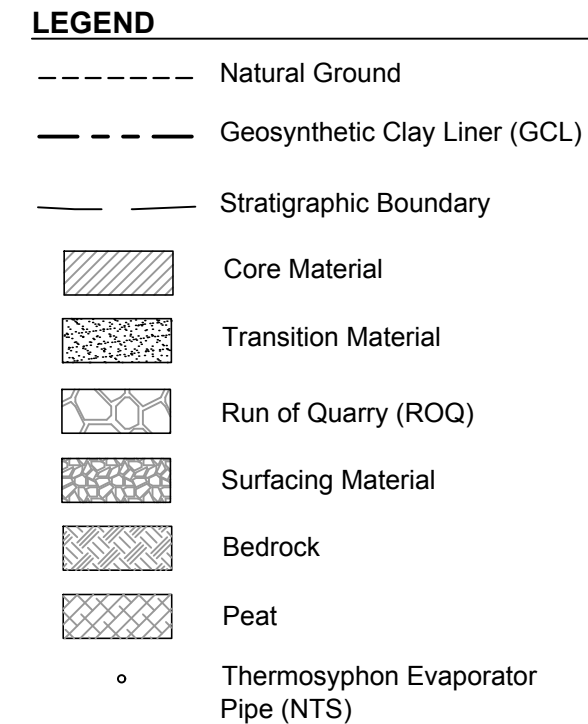
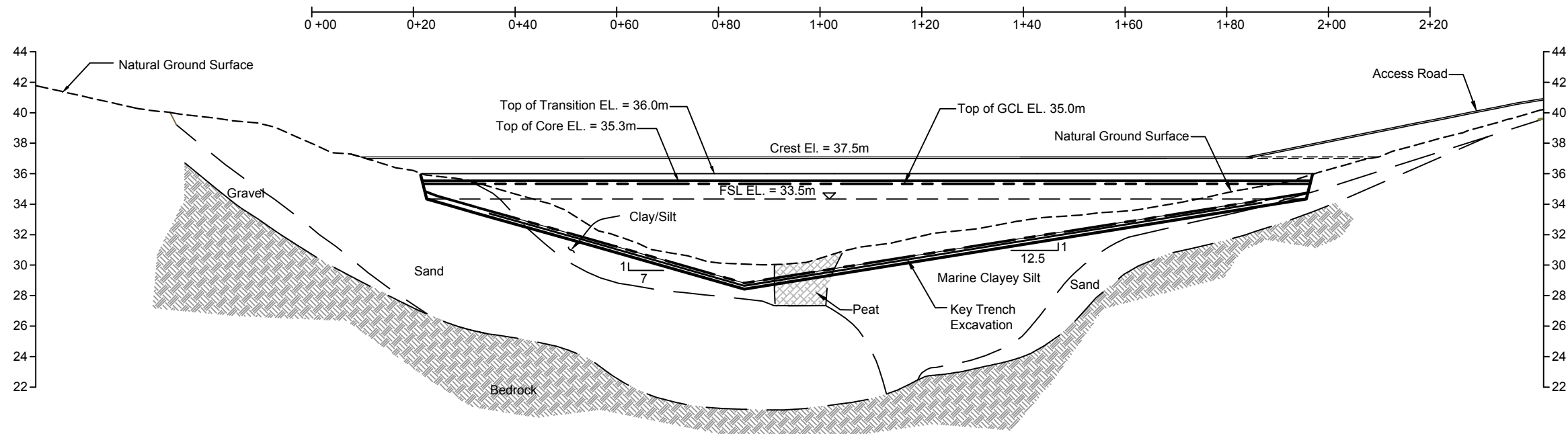
 **srk consulting**

SRK JOB NO.: 1CT022.004.600.10
FILE NAME: 1CT022.004.600.10 - FIGURE 4.dwg

**TMAC**
RESOURCES

HOPE BAY PROJECT

C:\MIDSTINC\CLIENTS\SRK\2016\1CT022.004.600.10 - Doris TMS Design Figures\1CT022.004.600.10 - FIGURE 4.dwg



NOTES

- The subsurface geology has been extrapolated from a series of geotechnical investigations consisting of drill holes, auger holes and shallow test pits. Bedrock contact and geological unit contacts are therefore likely to vary somewhat during final excavation. The Engineer will inspect all excavations and approve the foundation conditions.



SRK JOB NO.: 1CT022.004.600.10
FILE NAME: 1CT022.004.600.10 - FIGURE 5.dwg

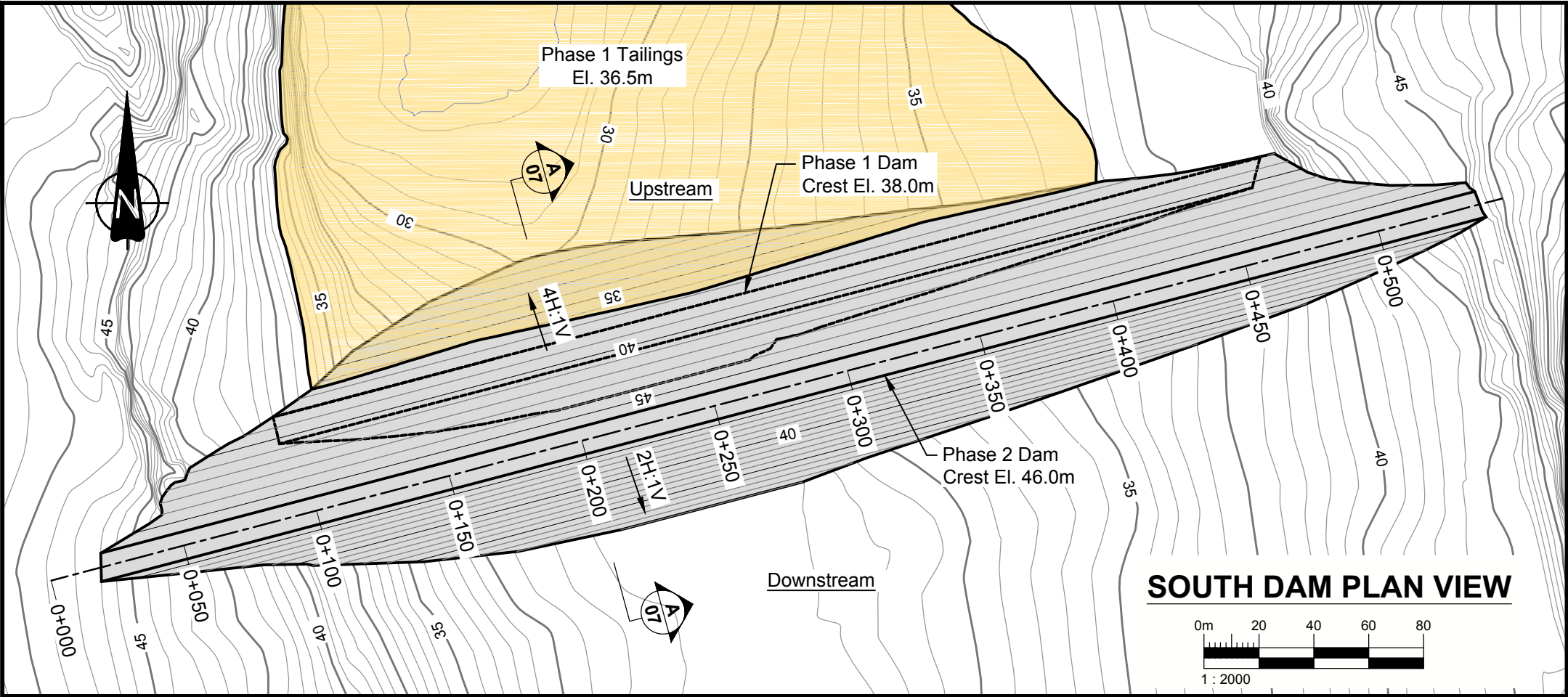


HOPE BAY PROJECT

Doris TMS Phase 2 Design

North Dam Profile and
Typical Cross Section

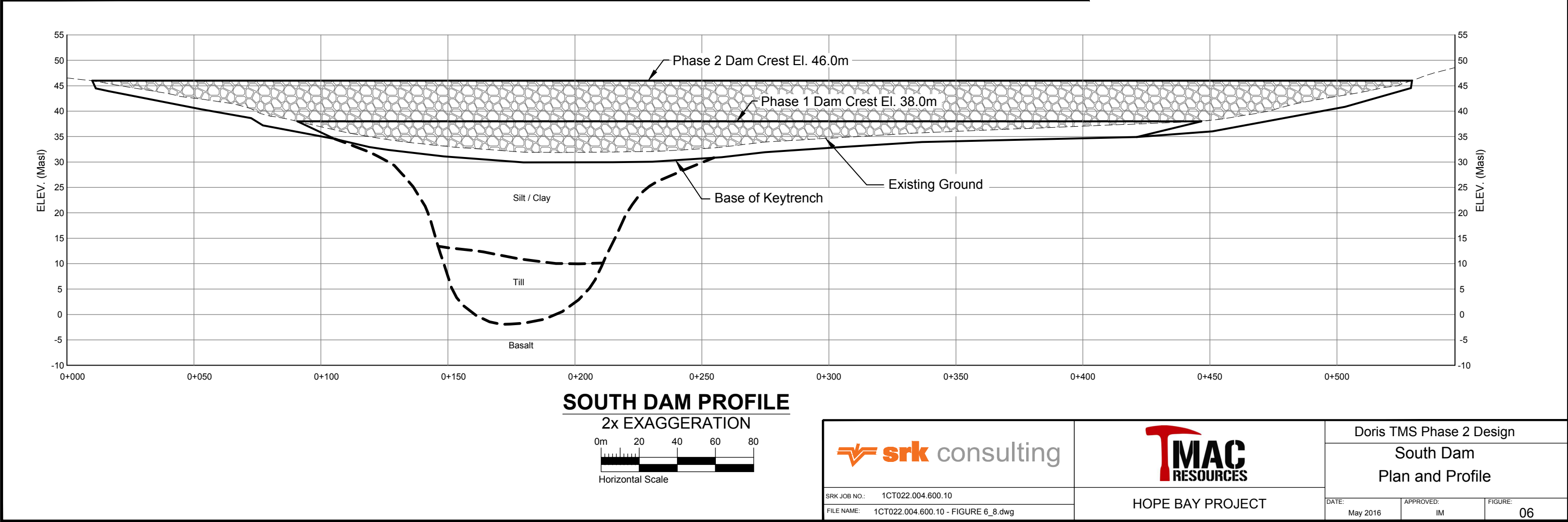
DATE: May 2016	APPROVED: IM	FIGURE: 05
-------------------	-----------------	---------------



- NOTES**
1. All dimensions and elevations are in meters unless stated otherwise.
 2. The subsurface geology has been extrapolated from a series of geotechnical investigations. Bedrock contact and geological unit contacts are therefore likely to vary somewhat during final excavation.

LEGEND

- Natural Ground
- Stratigraphic Boundary
- Run of Quarry (ROQ)



C:\MDS\CLIENTS\SRK\2016\1CT022.004.600.10 - Doris TMS Design Figure\1CT022.004.600.10 - FIGURE 6_8.dwg

srk consulting

SRK JOB NO.: 1CT022.004.600.10
FILE NAME: 1CT022.004.600.10 - FIGURE 6_8.dwg

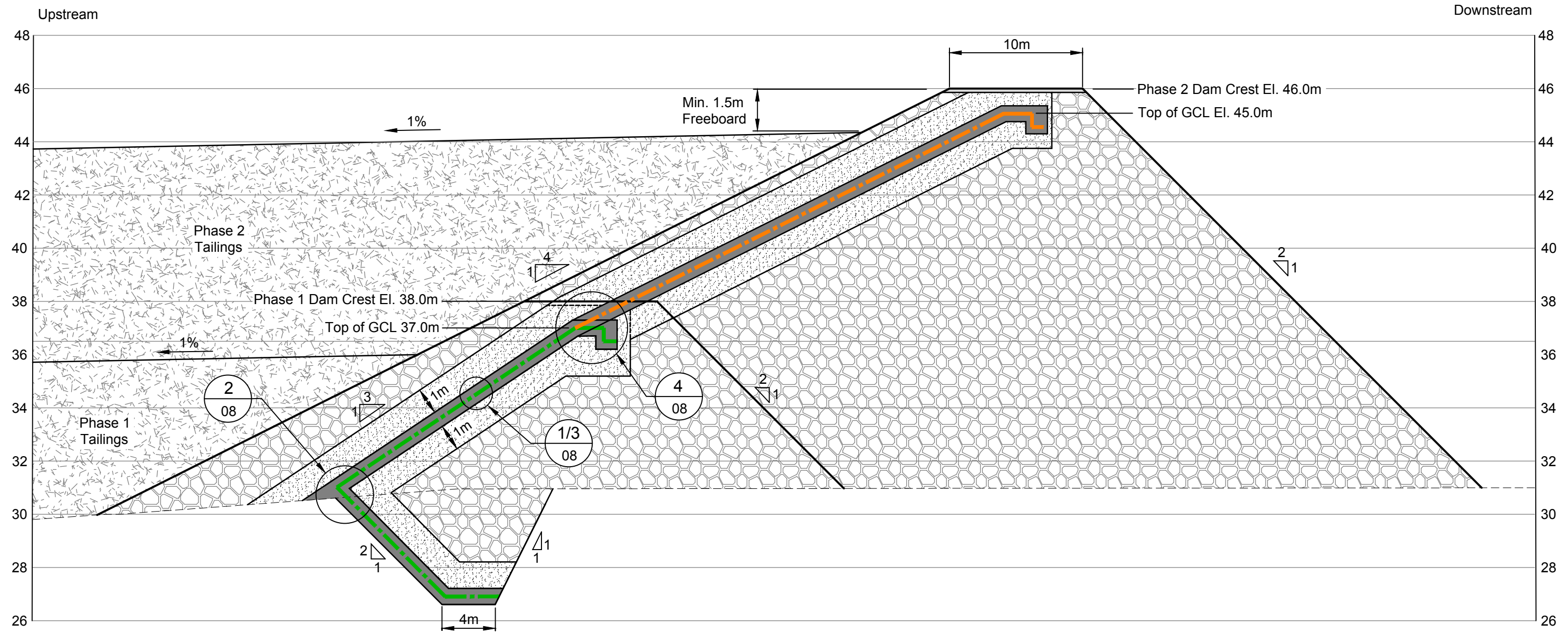
TMAC RESOURCES

HOPE BAY PROJECT

Doris TMS Phase 2 Design

**South Dam
Plan and Profile**

DATE: May 2016
APPROVED: IM
FIGURE: 06



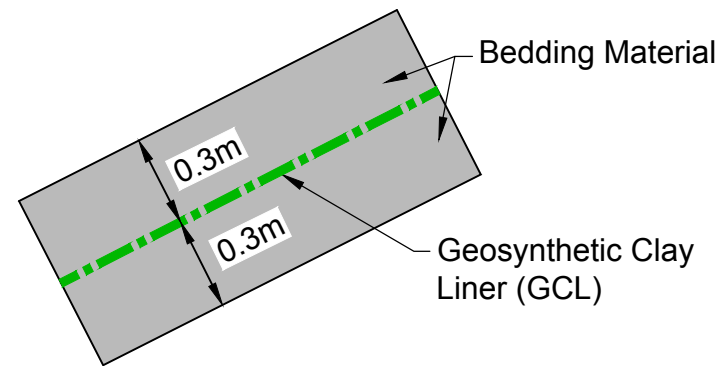
A
06 **SOUTH DAM TYPICAL SECTION**
2x EXAGGERATION
0m 5 10 15 20 25 30
Horizontal Scale

LEGEND

- | | | | |
|--|------------------------|--|---|
| | Surfacing Material | | Tailings |
| | Liner Bedding Material | | Phase 1 - Geosynthetic Clay Liner (GCL) |
| | Transition Material | | Phase 2 - Geosynthetic Clay Liner (GCL) |
| | Run of Quarry (ROQ) | | |

 SRK JOB NO.: 1CT022.004.600.10 FILE NAME: 1CT022.004.600.10 - FIGURE 6_8.dwg	 HOPE BAY PROJECT	Doris TMS Phase 2 Design		
		South Dam Typical Section		
		DATE: May 2016	APPROVED: IM	FIGURE: 07

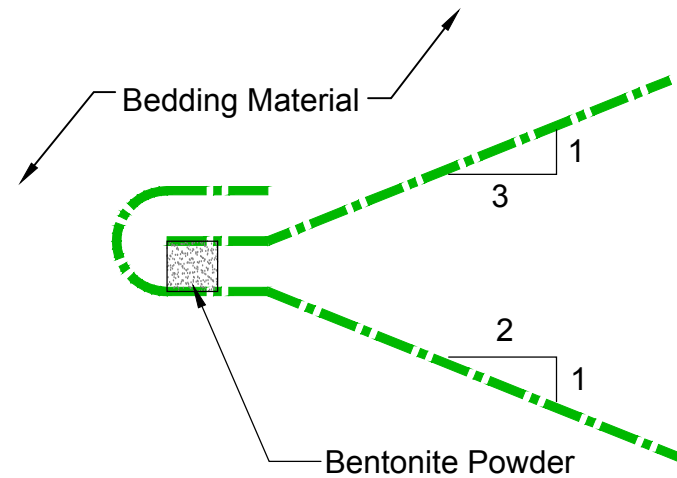
C:\MDS\IN\CLIENTS\SRK\2016\1CT022.004.600.10 - Doris TMS Design\Figures\1CT022.004.600.10 - FIGURE 6_8.dwg



1
07

TYPICAL SECTION GCL

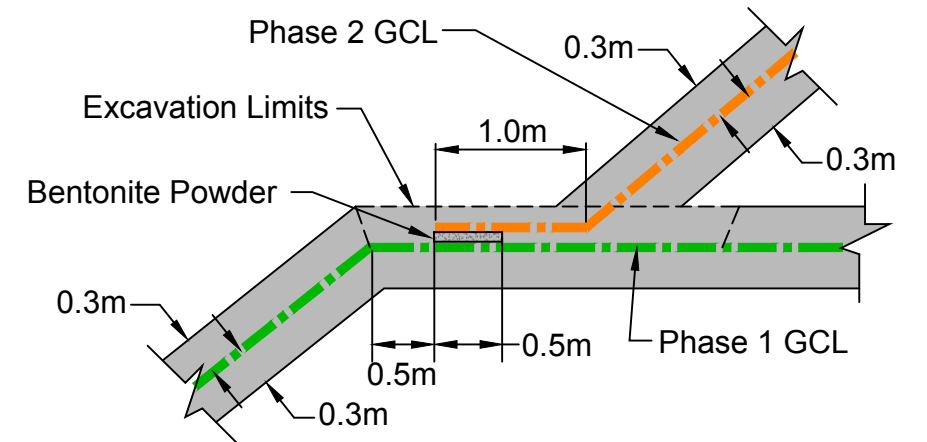
not to scale



3
07

TYPICAL UPPER AND LOWER GCL JOINT

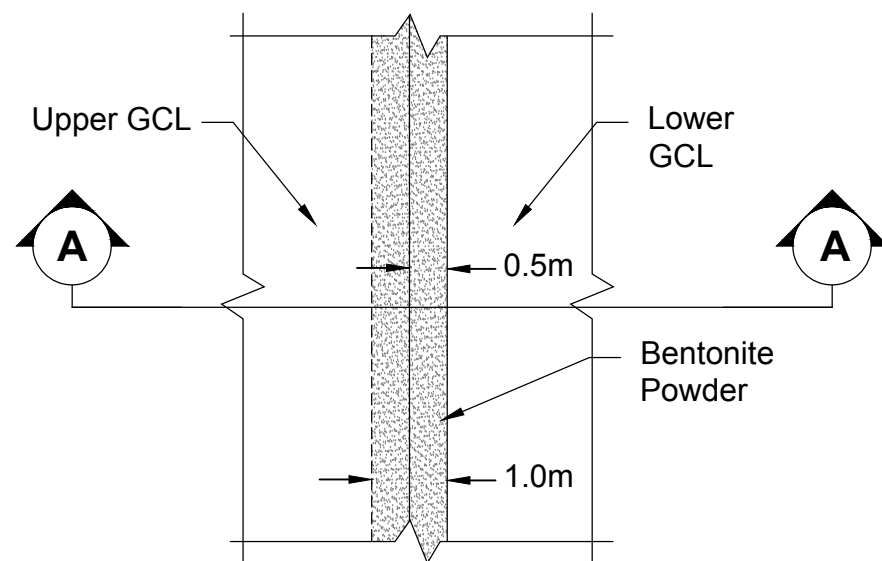
not to scale



4
07

LINER RAISE DETAIL - SOUTH DAM

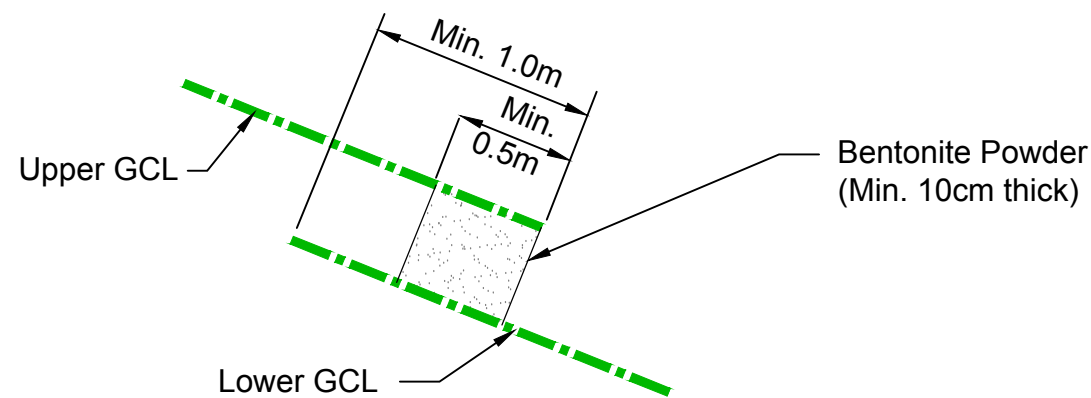
not to scale



3
07

TYPICAL GCL OVERLAP SEAM DETAIL - PLAN VIEW

not to scale



AA

TYPICAL GCL OVERLAP SEAM DETAIL - PLAN VIEW

not to scale

LEGEND

-  Liner Bedding Material
-  Phase 1 - Geosynthetic Clay Liner (GCL)
-  Phase 2 - Geosynthetic Clay Liner (GCL)