Risk ID	Category / Element	Risk Short Title	Description	Desired Outcome	Current Situation	Proposed Strategy
C00462 []	T1 Project Scope	Geotechnical Surprise / Ground Conditions	Unforeseen geology or groundwater conditions undermine design assumptions and productivity for tunnelling and shaft works.	Ground risks are understood early with mitigation and contingency aligned to realistic confidence levels. **What Could Go Wrong?** Late discovery drives redesign, delay, cost escalation, safety exposure, and claims.	Ground model exists but uncertainty remains until works expose real conditions; interface between investigation and design can drift.	Define ground risk owners; ensure investigation findings are integrated into design; maintain a live ground risk log; set clear escalation triggers; link to schedule risk and contingency.

Risk (three-part) Statement			Current Risk			Response Type	Manageability	Residual Risk	Risk Owner	Due Date	Close Date	Last Review Date / Notes
Cause	Risk Event [uncertainty]	Consequence	Probability	Impact	Score (PxI)							
Incomplete/uncertain ground investigation and interpretation	Actual ground conditions differ materially from assumptions	Rework + delay + cost growth + increased safety risk	4	4 H-1 C-1 Q-1 S-4	16	Mitigate	4	12	Winter, David	16Oct26	Open	01Feb26

Mitigating Actions / Response				
ID	Actions	Action Owner	Due Date	Close Date
#1	Define ground risk owners	Winter, David	30Mar26	Open
#2	Investigate ground conditions and ensure findings are integrated into the design.	Winter, David	30Mar26	Open
#3	Establish and maintain a live ground risk log with clear escalation triggers, and linked to scedule risk and contingency	Winter, David	30Mar26	Open

Last 10 RM Events (Meetings/Interviews/Workshops).

Mtg.   Date   Title / Person / Department   Objective   (0 Events held.)

Comments   **History**

Top Risk   **Summary**   **Top Risk Mitigation**

Geotechnical Surprise / Ground Conditions   Define ground risk owners; ensure investigation findings are integrated into design; maintain a live ground risk log; set clear escalation triggers; link to schedule risk and contingency.