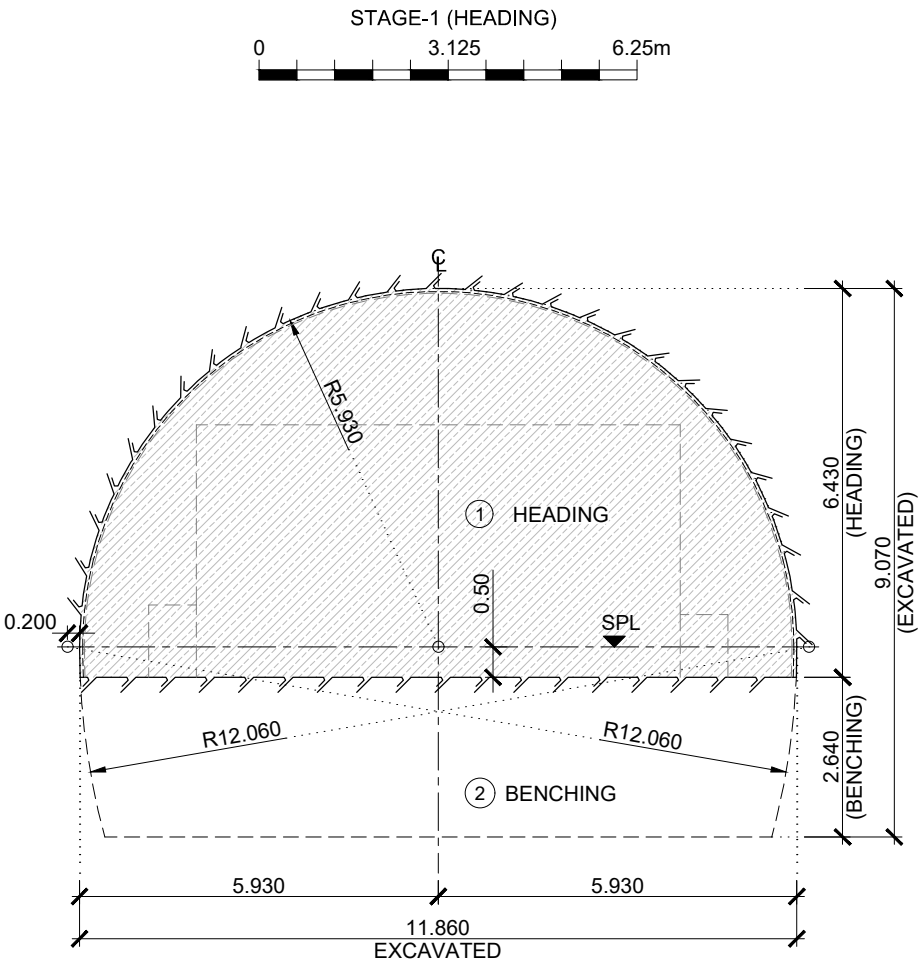
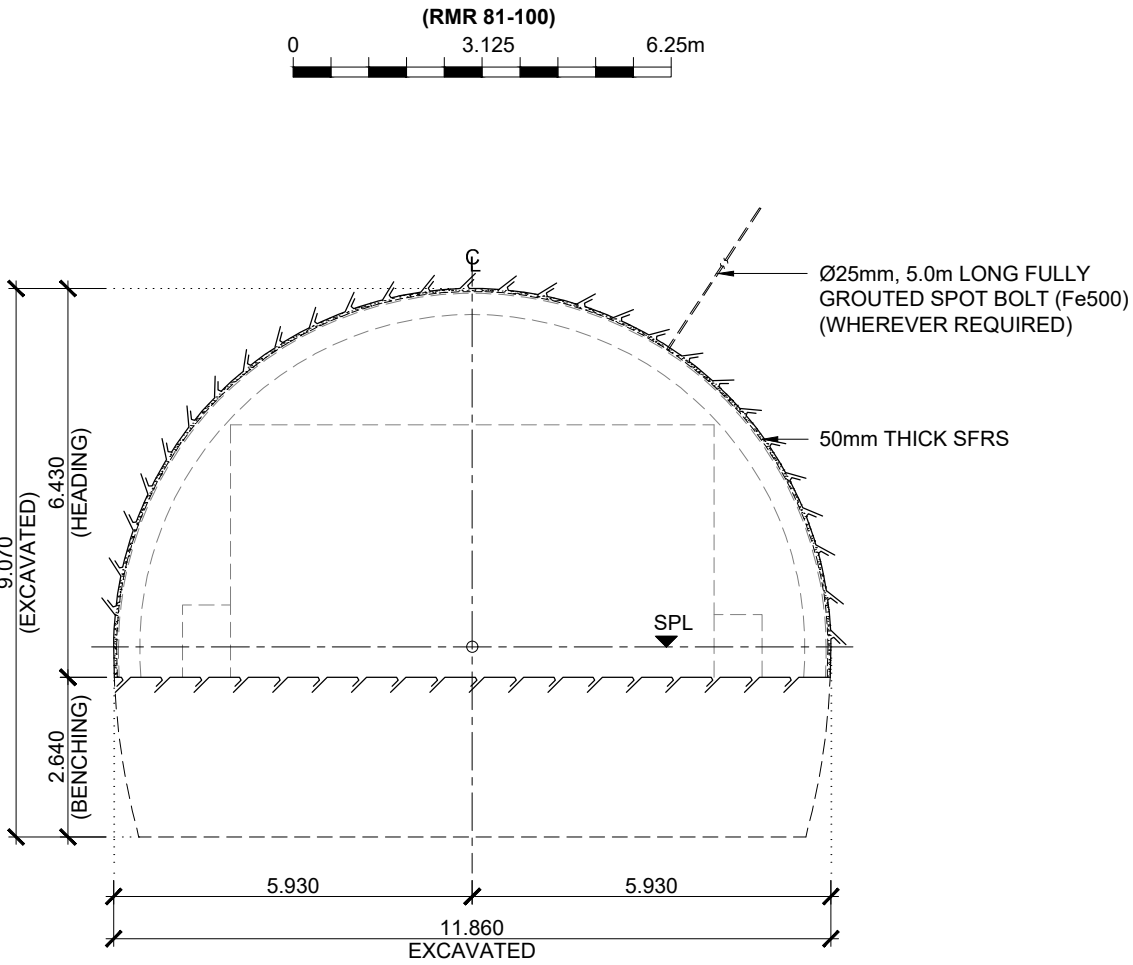


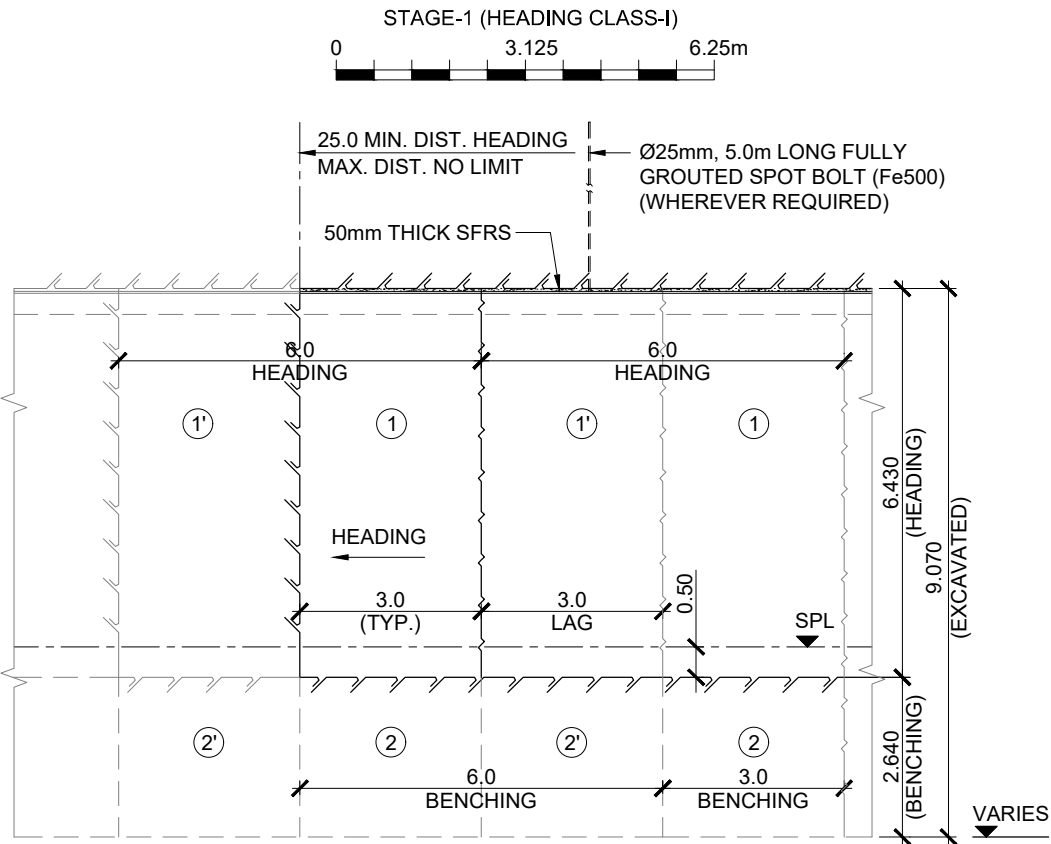
EXCAVATION STAGES (CLASS-I)



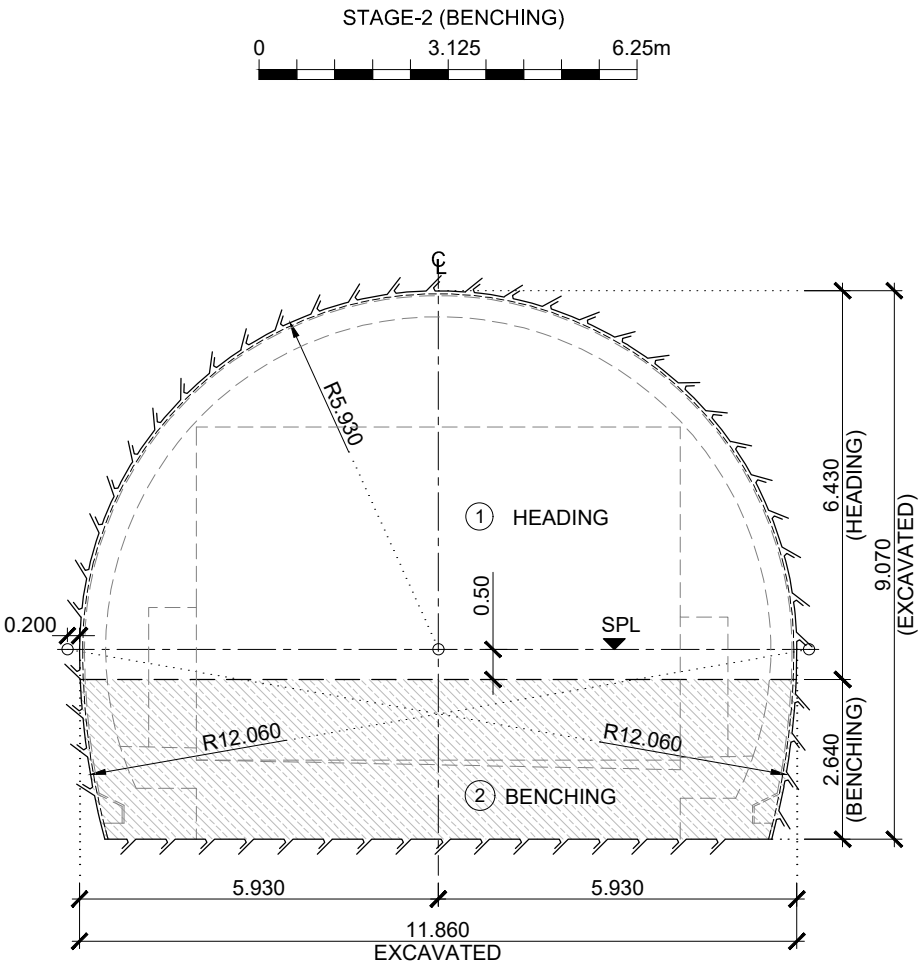
SUPPORT SYSTEM (CLASS-I)



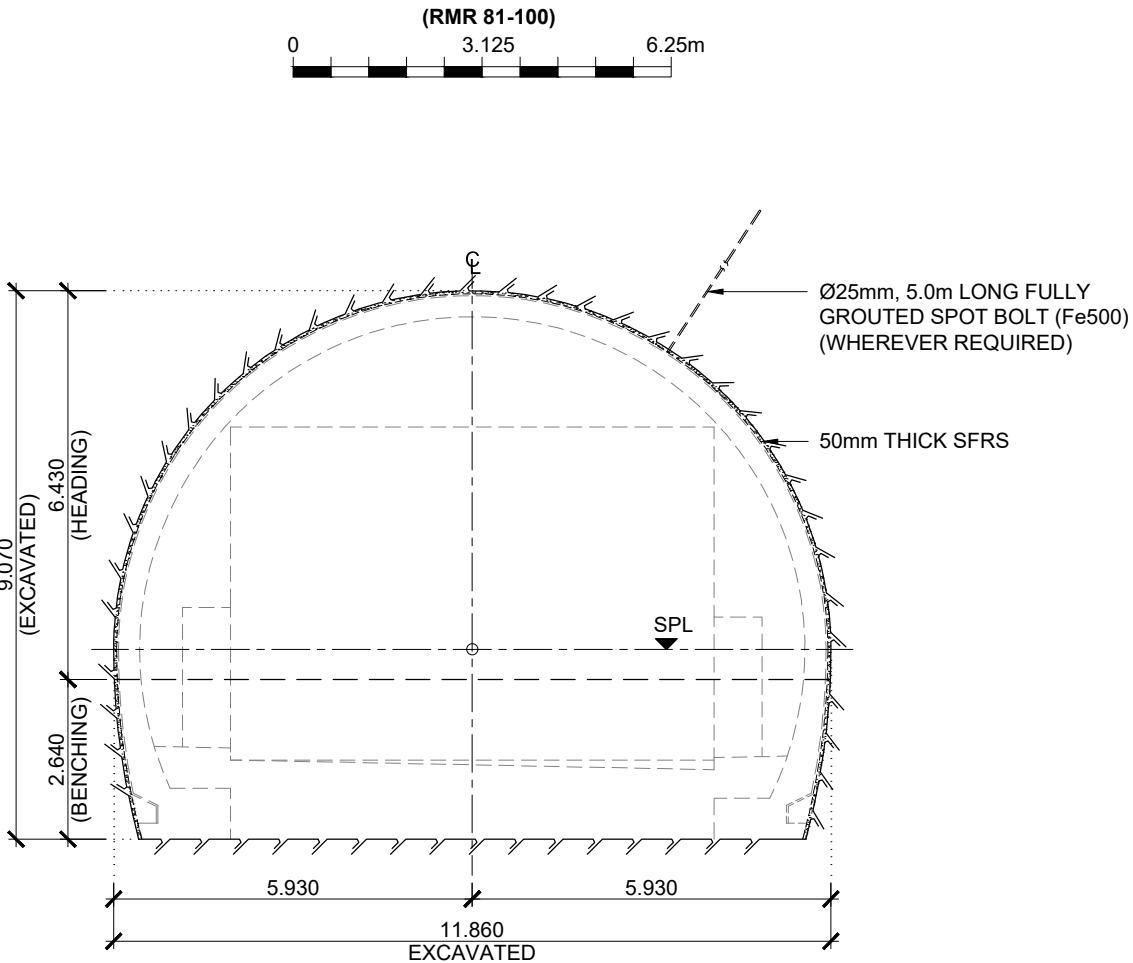
LONGITUDINAL SECTION



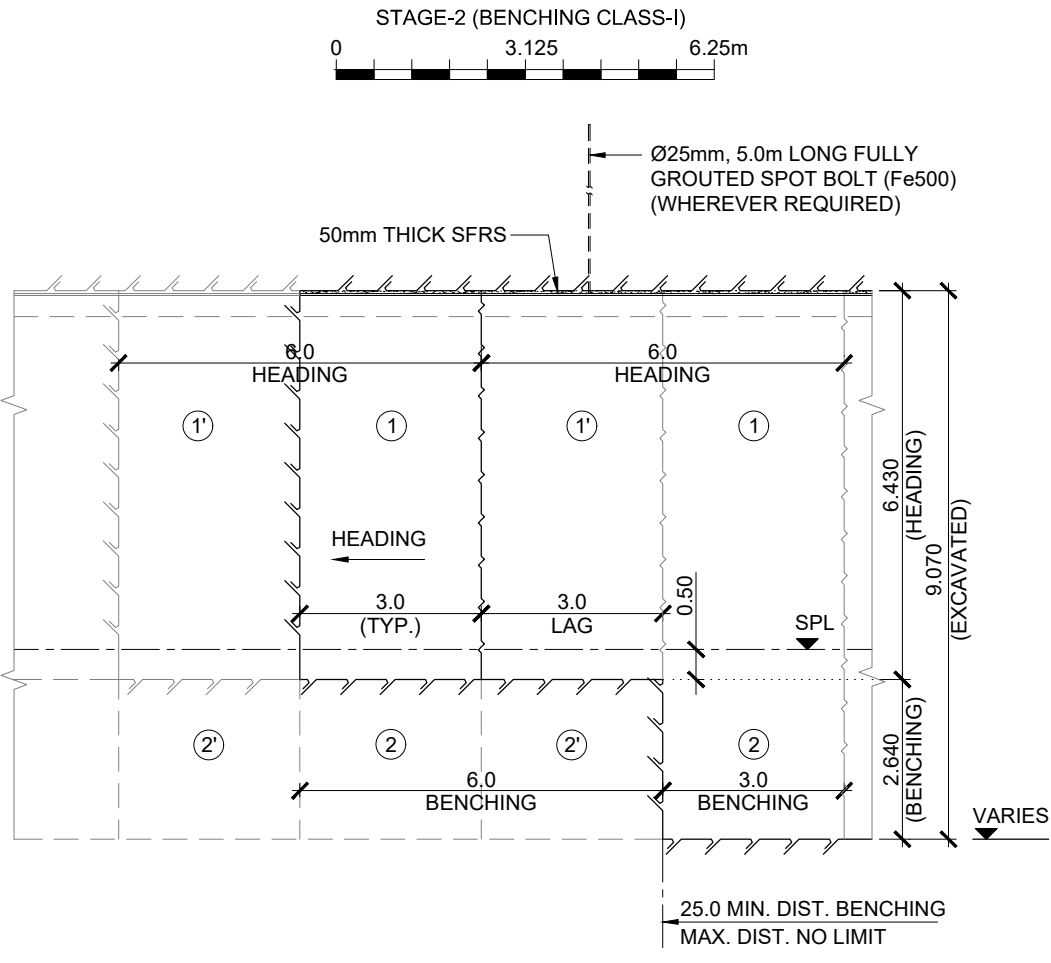
EXCAVATION STAGES (CLASS-I)



SUPPORT SYSTEM (CLASS-I)



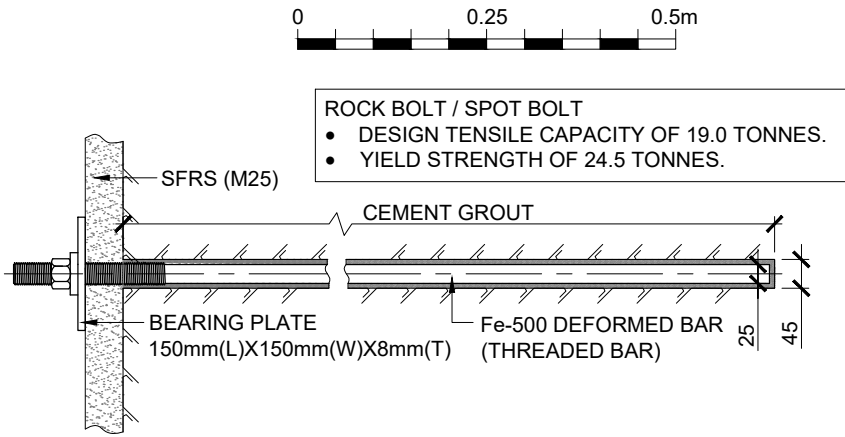
LONGITUDINAL SECTION




NOTES:

1. ALL DIMENSIONS ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
2. NO DIMENSION SHALL BE MEASURED, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.
3. ALL ROCK SUPPORT AS PER CONSTRUCTION SEQUENCE SHALL BE PROVIDED BEFORE BLASTING OF SUBSEQUENT ROUND.
4. ADDITIONAL ROCK SUPPORT MAY BE INSTALLED AS PER SITE CONDITION.
5. SHOTCRETE AS SPECIFIED SHALL BE APPLIED CONFORMING TO THE TECHNICAL SPECIFICATIONS.
6. DRAINAGE HOLES SHALL BE PROVIDED WHEREVER REQUIRED.
7. ALL Ø25mm ROCKBOLTS SHALL HAVE THE MINIMUM STRENGTH OF 190kN. THE STRENGTH OF THE ROCKBOLTS SHALL BE CONFIRMED AT SITE THROUGH PULL OUT TEST.
8. ALL ROCK BOLTS SHOULD BE OF Fe500 STEEL.
9. THE GRADE OF SFRS SHALL BE M25.
10. FACE SCALING AND SPOT BOLTING AT FACE SHALL BE DONE IF REQUIRED AS PER SITE CONDITION.

FULLY CEMENT GROUTED SPOT / ROCK BOLT



				Project Title		Client		Drawing Title: TUNNEL EXCAVATION & SUPPORT CLASS 1				CONSULTANT						
				Consultancy Services for carrying out Feasibility Study, Preparation of Detailed Project Report (DPR) and providing pre-construction services in respect of 4 Lining of Kohima Bypass connecting NH-39 (New NH-02) ,NH-150 (New NH-02), NH-61 (New NH-29) and NH-39 (New NH-02) on Engineering, Procurement and Construction (EPC) mode in the state of Nagaland		This drawing is the property of AGNITIO INFRASTRUCTURE PROJECTS PVT LTD and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use of either in full or in part by such person or body without our prior permission in writing.				Sheet : OF 45				HIGHWAY ENGINEERING CONSULTANT IN ASSOCIATION WITH AGNITIO INFRASTRUCTURE PROJECTS PVT LTD				
				Original Size: A2		Plotting Scale: 1:125,1:10		National Highways & Infrastructure Development Corporation Ltd		Drawing No.: HEC-AIPPL/NHIDCL/KB/TUN/4		Scale :- NTS						
				Path -						Drn S.TYAGI		Dgn. P.MISHRA		Appd A.C. GARG		Date OCT-2018		
Revision Details				Chk By	Date	Suffix												