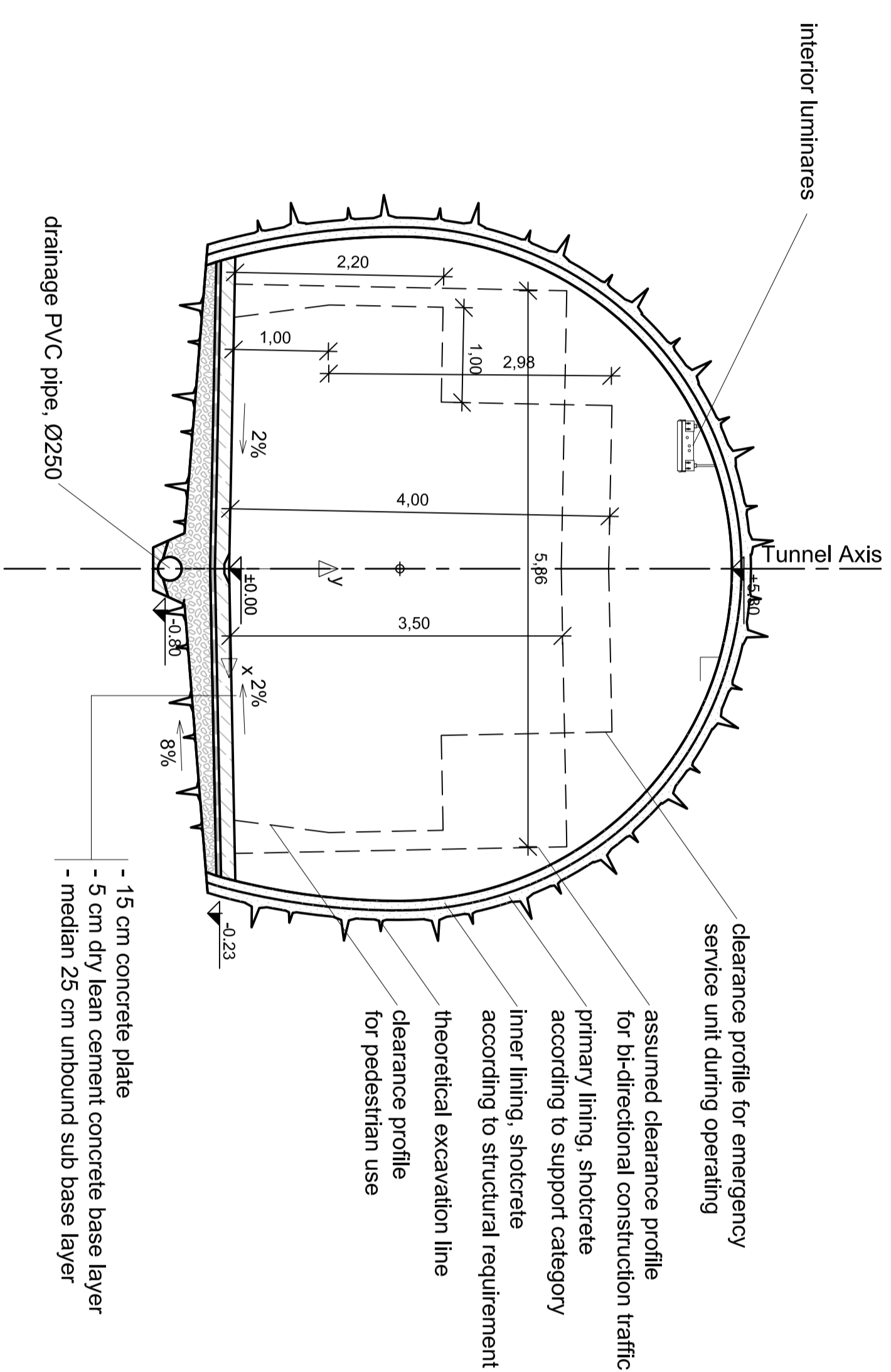
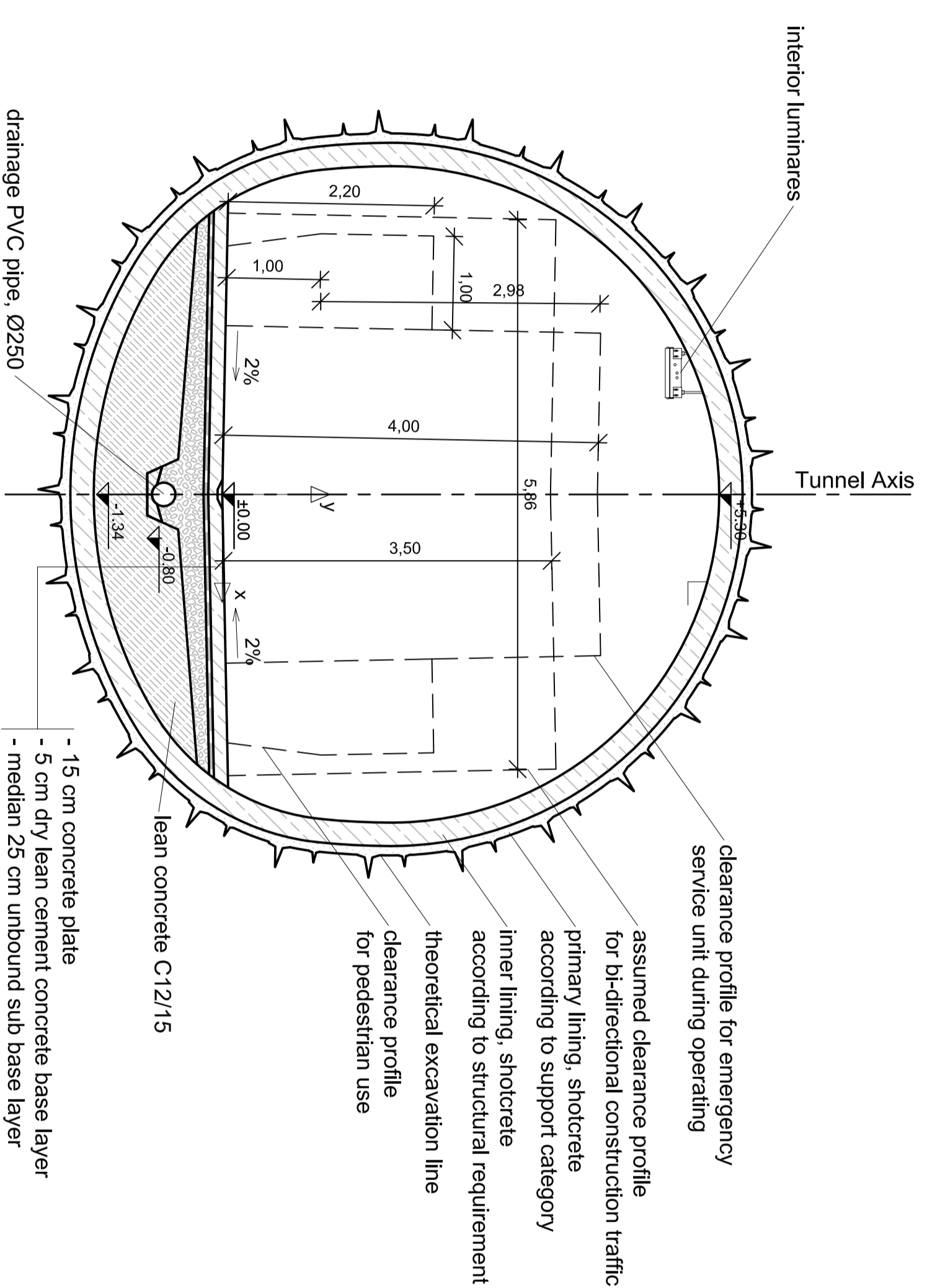


TYPICAL CROSS SECTION, EGRESS TUNNEL



TYPICAL CROSS SECTION, EGRESS TUNNEL WITH INVERT SLAB

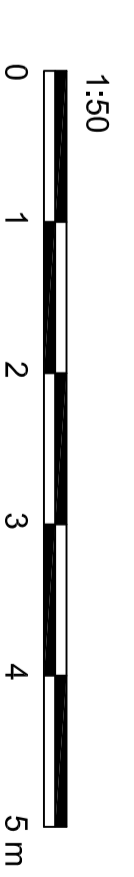


NOTES:

The tunnel is designed for bi-directional site traffic with the assumed clearance profile given in the drawing. Modifications of this clearance profile may be required to be suitable for the actual construction sequence.

In case of groundwater inflow, water shall be collected either with drainage pipes or dimpled sheets and drained to the tunnel floor or a waterproofing membrane shall be applied.

In portal areas sprayed waterproofing membrane shall be applied between primary and final shotcrete lining.



CLIENT



Border Roads Organisation
सर्वोत्तम सड़क संस्था



The Chief Engineer
Project BEACON
Border Roads
Organisation
C/O 56 A/70
INDIA

PROJECT

Consultancy Services for Detailed Feasibility Study and Framing up of Phasewise proposal (DPR) for construction of two tunnels at Z-Morh and at Zojila for All weather connectivity from Srinagar to Leh in Jammu & Kashmir State

Z-MORH TUNNEL

Contract Ref. No.: CE (P) BOM09/2009-10

CONTENT

| | | | | | |
|-----|------------|--------|-------|----------|------------------------------------|
| 00 | 2012-06-14 | MBU | Disc | Also | PRELIMINARY TUNNEL DESIGN PHASE II |
| REV | DATE | DESIGN | DRAWN | APPROVED | MODIFICATION |

CONTRACTOR

3G GRUPPE GEOTECHNIK GRAZ
Engineering Consultants

Vayamtech
THE POWER OF WE

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|-------------------------|------------|------------|
| DESIGN | DATE | NAME |
| 2012-06-14 | 2012-06-14 | BURSTALLER |
| DRAWN | DATE | NAME |
| 2012-06-14 | 2012-06-14 | SCHWABER |
| APPROVED | DATE | NAME |
| 2012-06-14 | 2012-06-14 | GORICH |
| PROJECT NO.: | REV.: | SCALE: |
| 8482B | 00 | 1:50 |
| DRAWING NO.: | | |
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