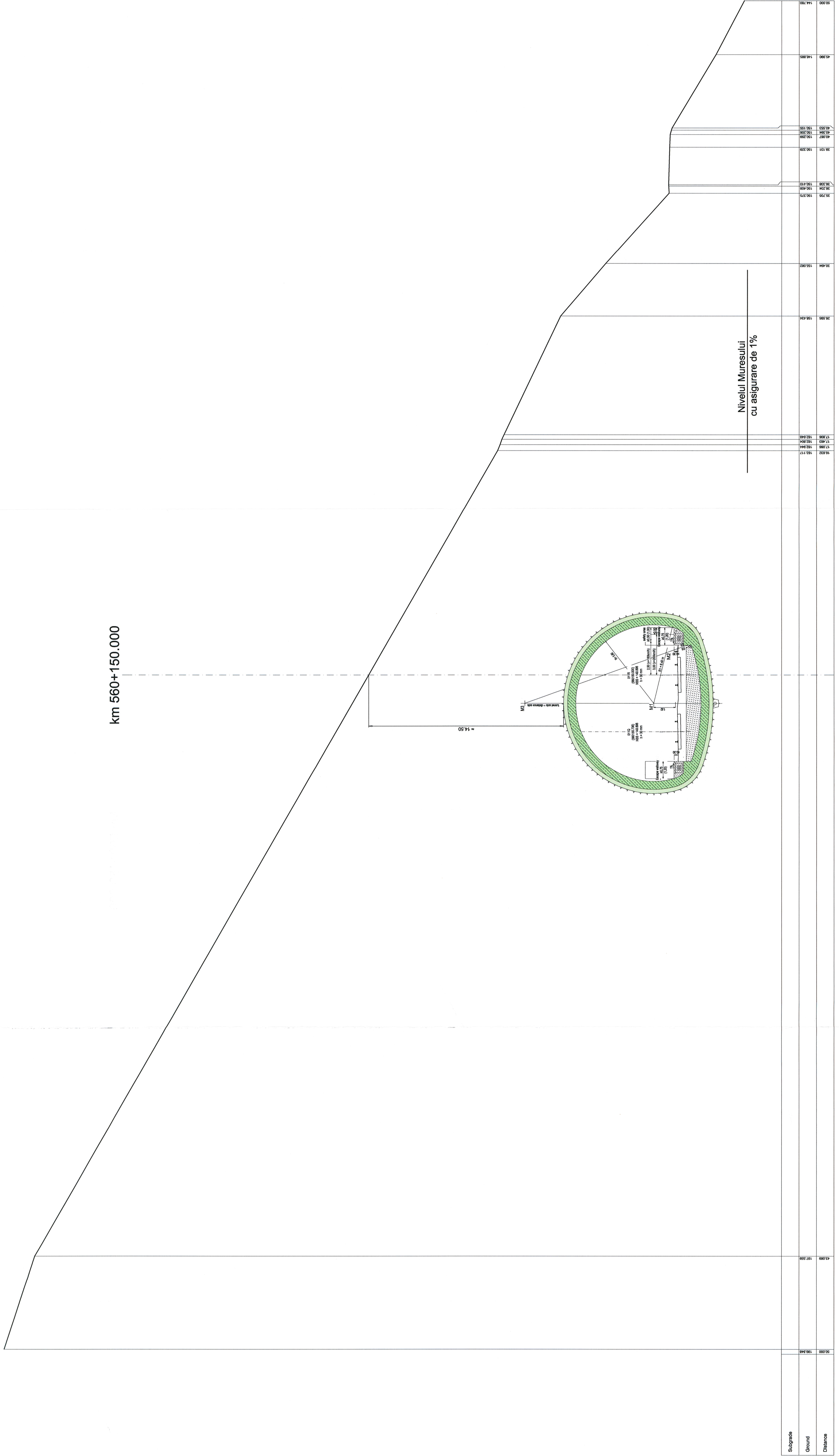


km 560+150.000



Layout plan	M 1:1000	TU 3.1
Longitudinal section	M 1:1000	TU 3.2
Cross Section km 560+000	M 1:1000	TU 3.3
Cross Section km 560+200	M 1:1000	TU 3.5
Cross Section km 560+350	M 1:1000	TU 3.6
Cross Section km 560+550	M 1:1000	TU 3.7
Regular Cross section CS1, d=60cm, R=5,80m	M. 1:50	CS 1
Regular Cross section CS2, d=40cm, R=5,80m	M. 1:50	CS 2
Portals	M. 1:50	CS 3
Details	M. 1:10	TUD 1
Excavation class 4.1	M. 1:250	EC 1
Excavation class 4.2	M. 1:250	EC 2
Excavation class 4.3	M. 1:250	EC 3
Excavation class 4.4	M. 1:250	EC 4
Excavation class 6.1	M. 1:250	EC 5
Excavation class 6.2	M. 1:250	EC 6
Excavation class 6.3	M. 1:250	EC 7
Excavation class 6.4	M. 1:250	EC 8
Excavation class 6.5	M. 1:250	EC 9

MINISTERUL TRANSPORTURILOR  
BENEFICIAR / BENEFICIARY:  
COMPANIA NATIONALA DE CALE FERATE CFR SA

PROIECTANT / DESIGNER:  
PÖYRY

DATA  
06/2013

SEMNATURA  
[Signature]

Approved	Sef de echipa / Team leader	C. Teodorescu	06/2013
Verified	Expert-Cheie / Key Expert	M. Diegmann	06/2013
Checked	Key Expert	M. Diegmann	06/2013
Approved	Sef de echipa / Team leader	J. Werfling	06/2013
Approved	Designer	J. Werfling	06/2013
Designed	Engineer	D. Ciutanel	6/2013

\*Reabilitarea liniei c.a. Frontiera - Cluj-Napoca, linia compozita cu viteza maxima de 160 km/h, tronconul 2: km 614-Gurabadia, segmentul Part 4 de la IV Pan - European Corridor for the Trans Europe with maximum speed of 160 km/h. Section 2: km 614-Gurabadia  
 Proiect 91  
 56511.1  
 PT

Subgrade	Ground	Distance
144.700	144.700	0.00
144.750	144.750	1.00
144.800	144.800	2.00
144.850	144.850	3.00
144.900	144.900	4.00
144.950	144.950	5.00
145.000	145.000	6.00
145.050	145.050	7.00
145.100	145.100	8.00
145.150	145.150	9.00
145.200	145.200	10.00
145.250	145.250	11.00
145.300	145.300	12.00
145.350	145.350	13.00
145.400	145.400	14.00
145.450	145.450	15.00
145.500	145.500	16.00
145.550	145.550	17.00
145.600	145.600	18.00
145.650	145.650	19.00
145.700	145.700	20.00
145.750	145.750	21.00
145.800	145.800	22.00
145.850	145.850	23.00
145.900	145.900	24.00
145.950	145.950	25.00
150.000	150.000	26.00

Nivelul Muresului  
cu asigurare de 1%