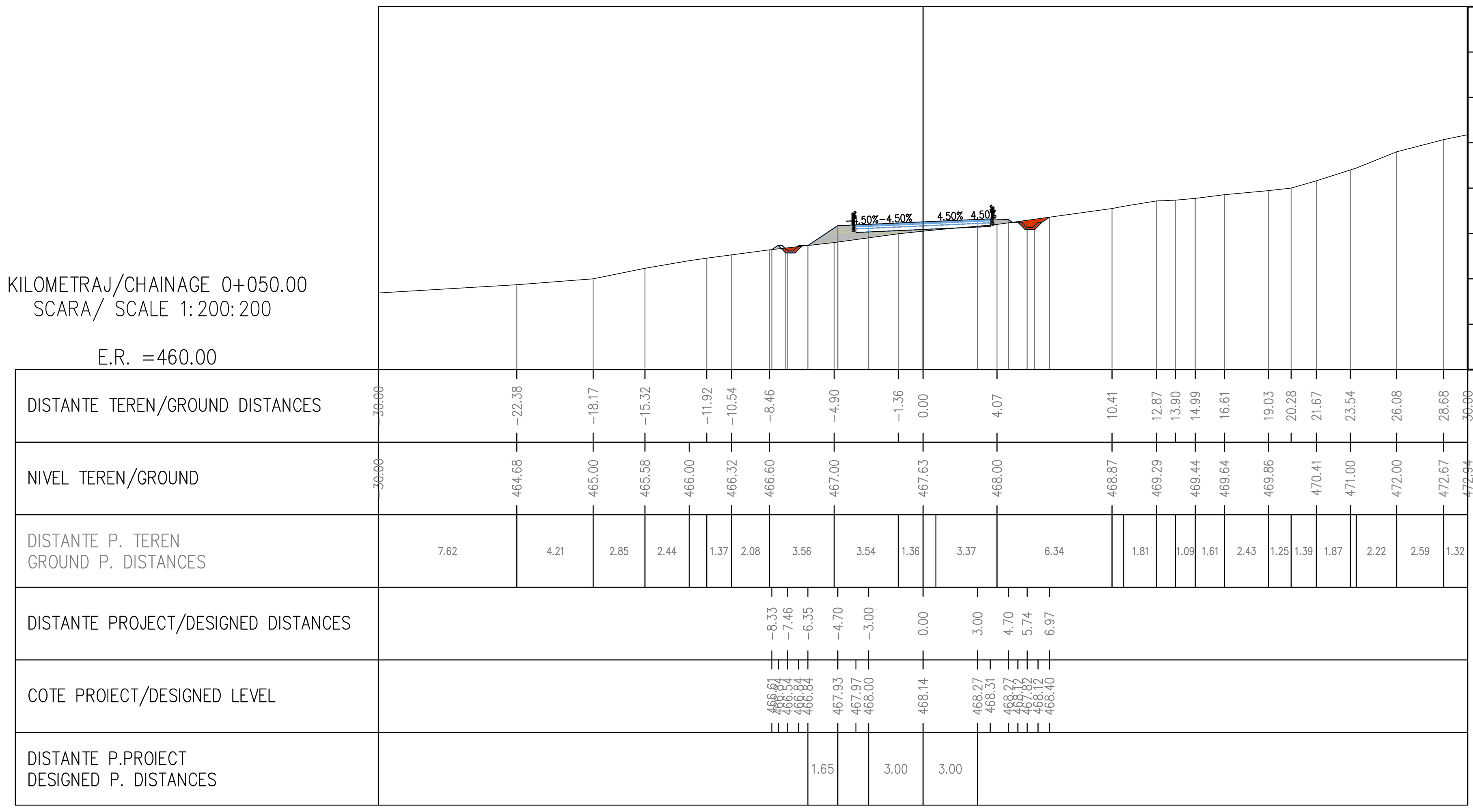
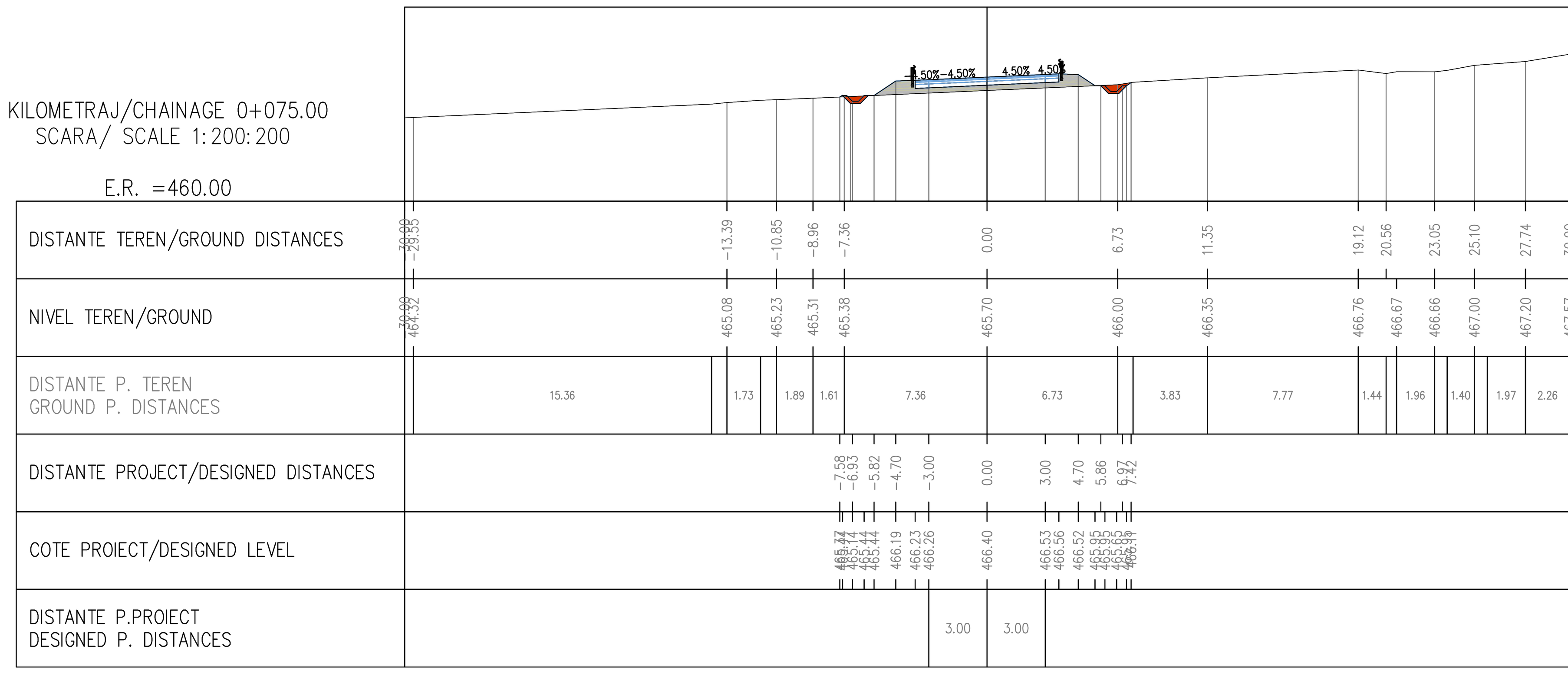
KILOMETRAJ/CHAINAGE 0+050.00
SCARA/ SCALE 1:200:200
E.R. =460.00



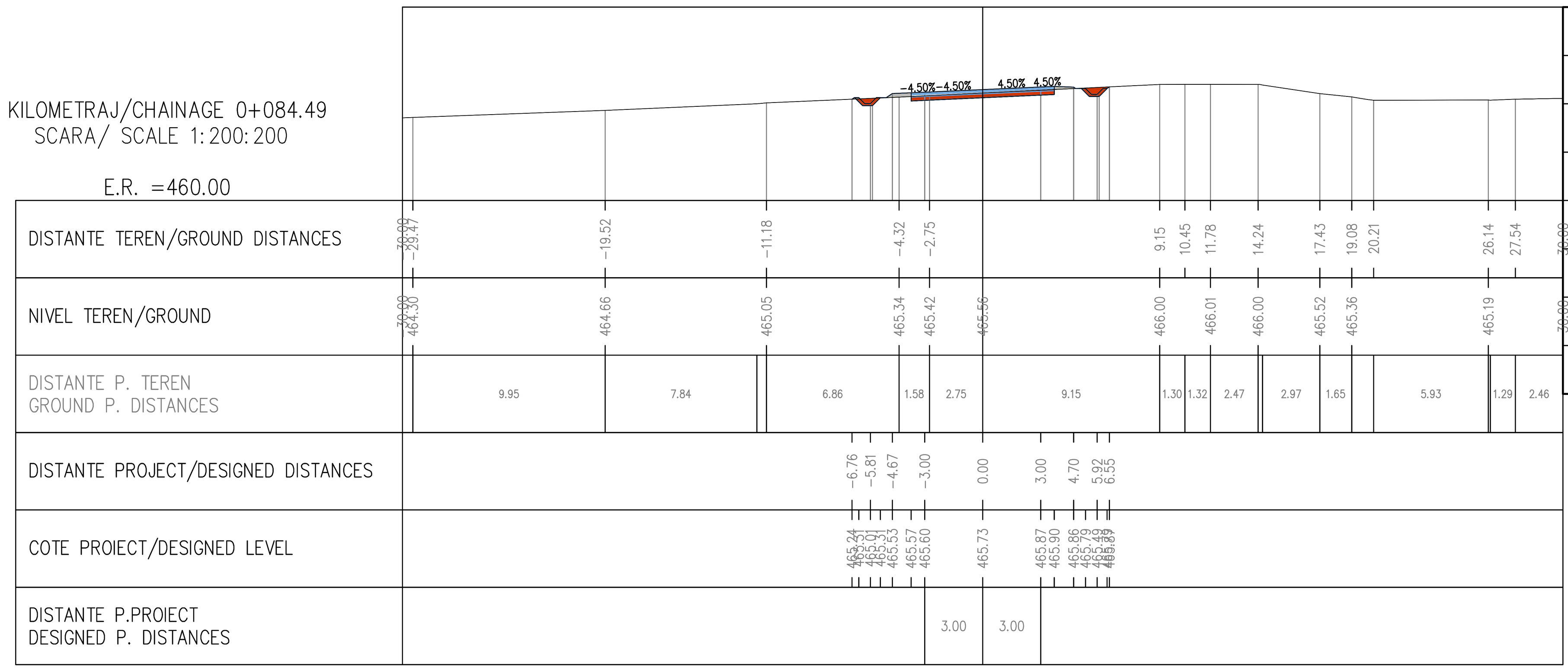
Total Volume at Station 0+050.00	
Cut Area	0.92
Fill Area	2.87
Cut Vol	23.41
Fill Vol	175.97
Cum Cut Vol	59.17
Cum Fill Vol	644.09
Net Vol	−584.92

KILOMETRAJ/CHAINAGE 0+075.00
SCARA/ SCALE 1:200:200
E.R. =460.00



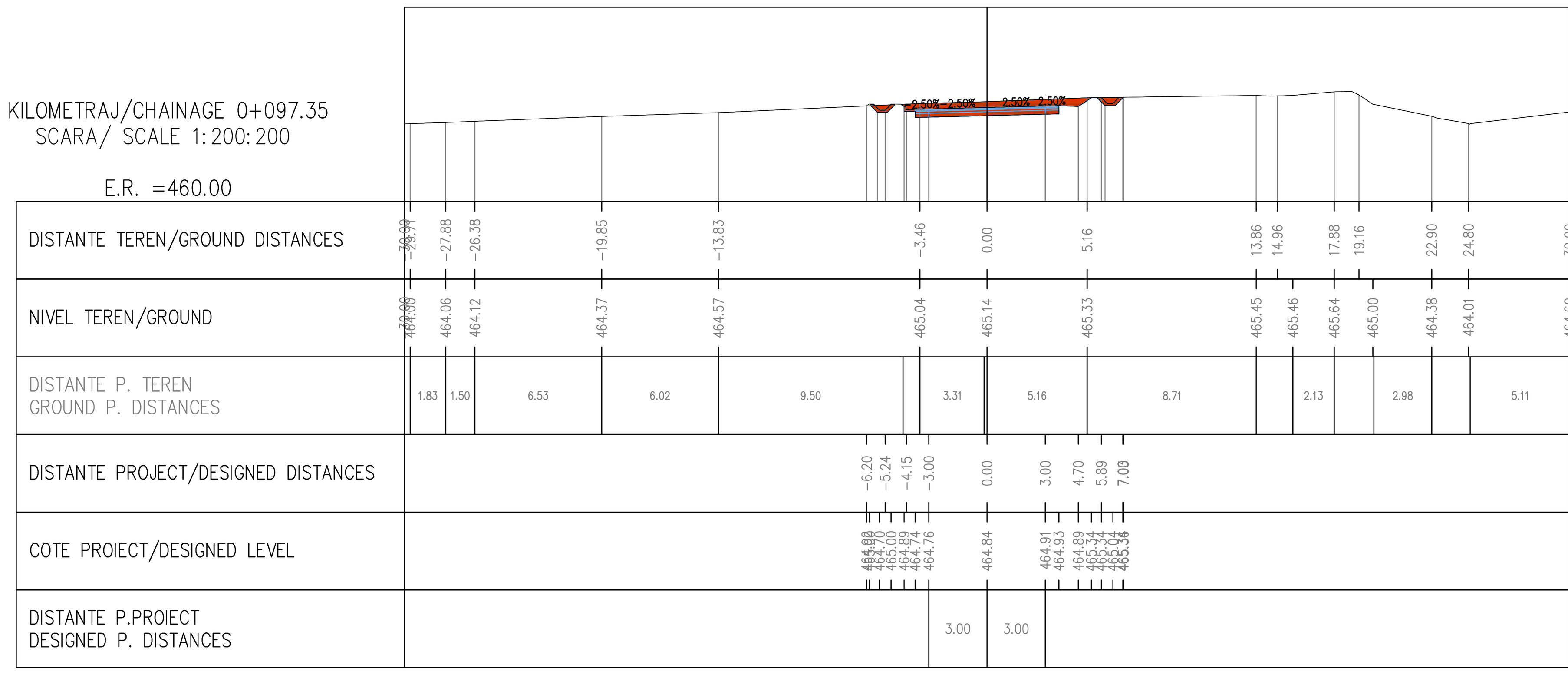
Total Volume at Station 0+075.00	
Cut Area	0.78
Fill Area	4.03
Cut Vol	21.71
Fill Vol	84.63
Cum Cut Vol	80.88
Cum Fill Vol	728.72
Net Vol	−647.84

KILOMETRAJ/CHAINAGE 0+084.49
SCARA/ SCALE 1:200:200
E.R. =460.00



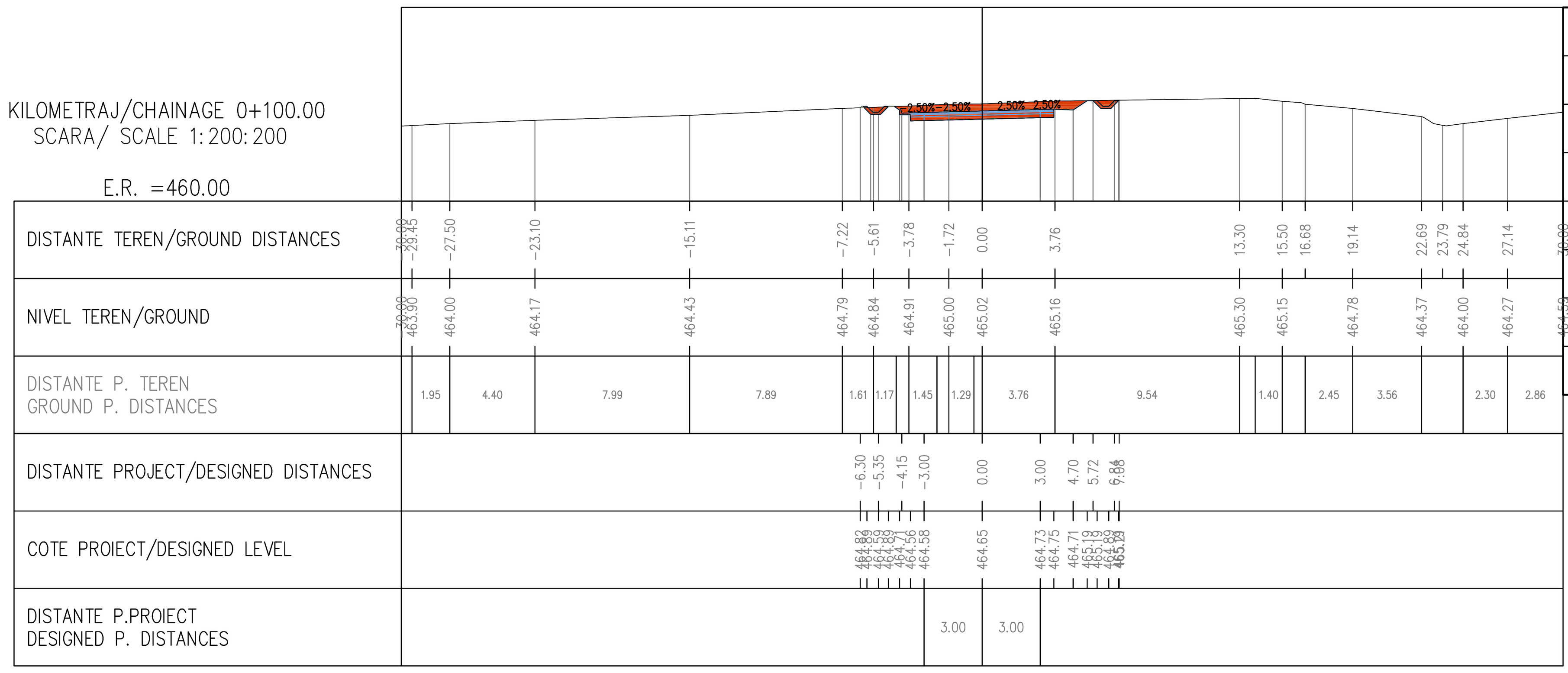
Total Volume at Station 0+084.49	
Cut Area	2.57
Fill Area	0.36
Cut Vol	15.98
Fill Vol	20.73
Cum Cut Vol	96.86
Cum Fill Vol	749.45
Net Vol	−652.59

KILOMETRAJ/CHAINAGE 0+097.35
SCARA/ SCALE 1:200:200
E.R. =460.00



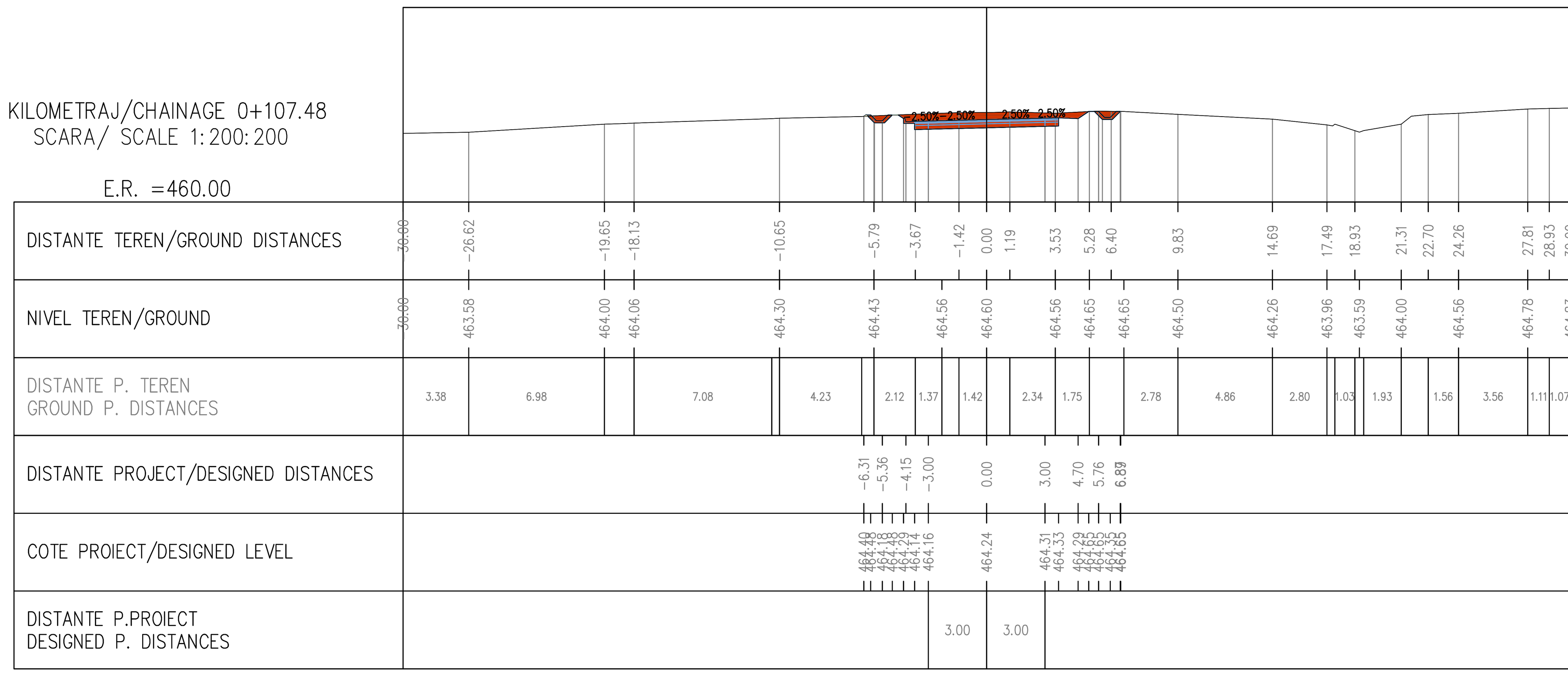
Total Volume at Station 0+097.35	
Cut Area	6.86
Fill Area	0.01
Cut Vol	60.76
Fill Vol	2.34
Cum Cut Vol	157.62
Cum Fill Vol	751.79
Net Vol	−594.18

KILOMETRAJ/CHAINAGE 0+100.00
SCARA/ SCALE 1:200:200
E.R. =460.00



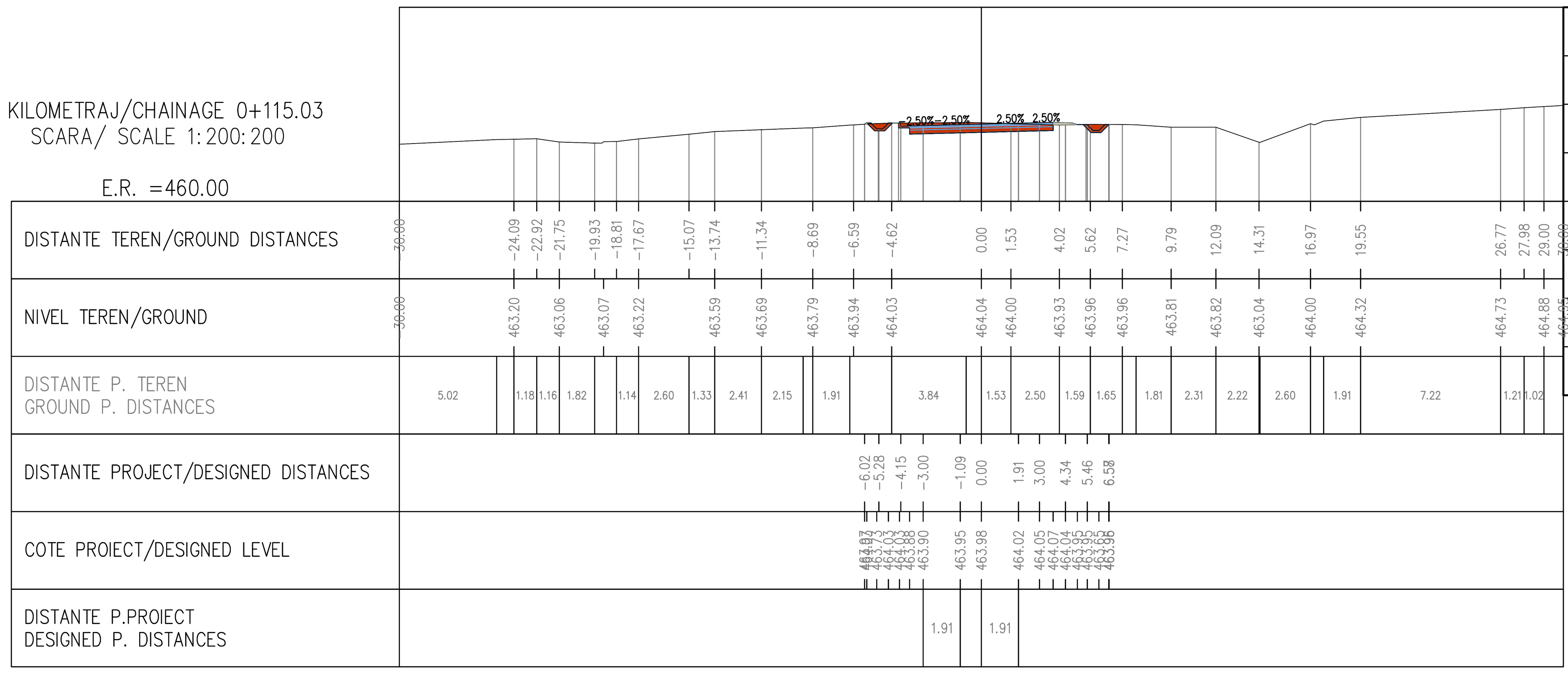
Total Volume at Station 0+100.00	
Cut Area	7.55
Fill Area	0.01
Cut Vol	19.13
Fill Vol	0.03
Cum Cut Vol	176.74
Cum Fill Vol	751.82
Net Vol	−575.08

KILOMETRAJ/CHAINAGE 0+107.48
SCARA/ SCALE 1:200:200
E.R. =460.00



Total Volume at Station 0+107.48	
Cut Area	7.08
Fill Area	0.01
Cut Vol	54.71
Fill Vol	0.07
Cum Cut Vol	231.45
Cum Fill Vol	751.89
Net Vol	−520.44

KILOMETRAJ/CHAINAGE 0+115.03
SCARA/ SCALE 1:200:200
E.R. =460.00



Total Volume at Station 0+115.03	
Cut Area	4.33
Fill Area	0.13
Cut Vol	43.08
Fill Vol	0.52
Cum Cut Vol	274.53
Cum Fill Vol	752.41
Net Vol	−477.88

Legenda/ Legend

Total Volume at Station– Volumul total in locatie
Cut Area– Aria debleului
Fill Area– Aria rambleului
Cut Vol– Volumul debleului
Fill Vol– Volumul rambleului
Cum Cut Vol– Suma volumelor debleului
Cum Fill Vol– Suma volumelor rambleului
Net Vol– Volumul net

Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A					

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

ITALFERR GRUPPO FERROVIE DELLO STATO Joint Venture leader · Scott Wilson · OBERMEYER PLANEN + BERATEN GmbH · TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C.Gambelli		
Verificat Checked	Tunel Expert Tunnel Expert	C. Gambelli		
Întocmit Elaborated	Proiectant Designer	C.Gambelli		

SUBCONSULTANT / SUBCONSULTANT

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible			
Întocmit Elaborated	Proiectant Designer			

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h.
Sectiune 1 Brasov - Sighisoara

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h.
Section 1 Brasov - Sighisoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title : **TUNELUL ORMENIS/ ORMENIS TUNNEL**
ZONA INSPRE RACOS/ ENTRANCE RACOS SIDE
Drum de acces la zona de siguranta - Profiluri transversale - km 0+050 - km 0+115
Access road to the safety area - Cross Sections - km 0+050 - km 0+115

Codificare / Codification System	Scara / Scale 1:200	LOT / LOT 01	Nr. / No 38

E A 5 1 | 0 1 | C | 1 0 | T S | G A | 0 2 | 0 | 0 | 0 0 7 | 0