PROFIL TRANSVERSAL CARACTERISTIC
CHARACTERISTIC CROSS - SECTION

ŞANŢ RANFORSAT PREFABRICAT / PREFABRICATED REINFORCED DITCH

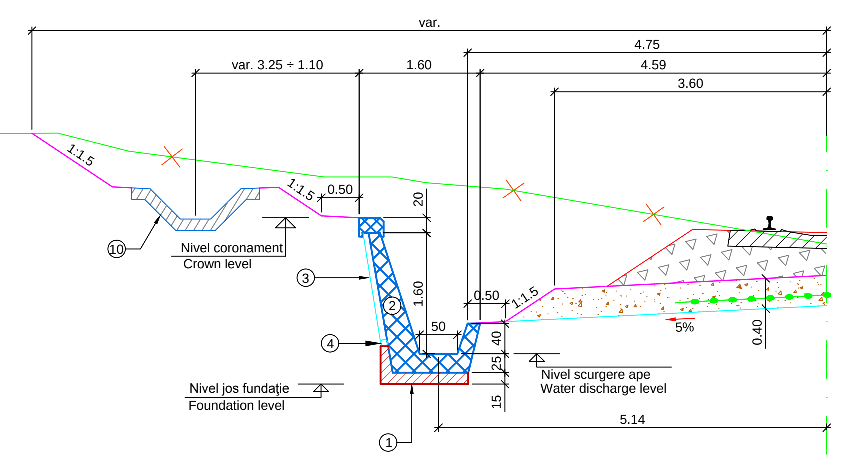
KM 251+553.80 ÷ KM 251+559.80, L=6M ŞI / AND KM 251+673.80 ÷ KM 251+683.80, L=10M

ŞANŢ DE GARDĂ / GUARD DITCH

KM 251+538.80÷KM 251+698.80, L=166M

STÂNGA FIR II / LEFT TRACK II

Scara / Scale: 1:50



NOTĂ:
- Apele colectate de geocompozitul drenant vor fi evacuate transversal, din 5 în 5m, în şanţul ranforsat prefabricat, prin tuburi PVC Ø 90mm.

NOTE:
- The water collected by the draining geo-composite will be discharged transversally, every 5 m, in the prefabricated reinforced ditch, through PVC tubes Ø 90mm.

PROFIL TRANSVERSAL CARACTERISTIC / CHARACTERISTIC CROSS - SECTION

SPRIJINIRE CU COLOANE DE BETON ARMAT Ø 1080MM / PROPPING WITH REINFORCED CONCRETE COLUMNS Ø 1080MM

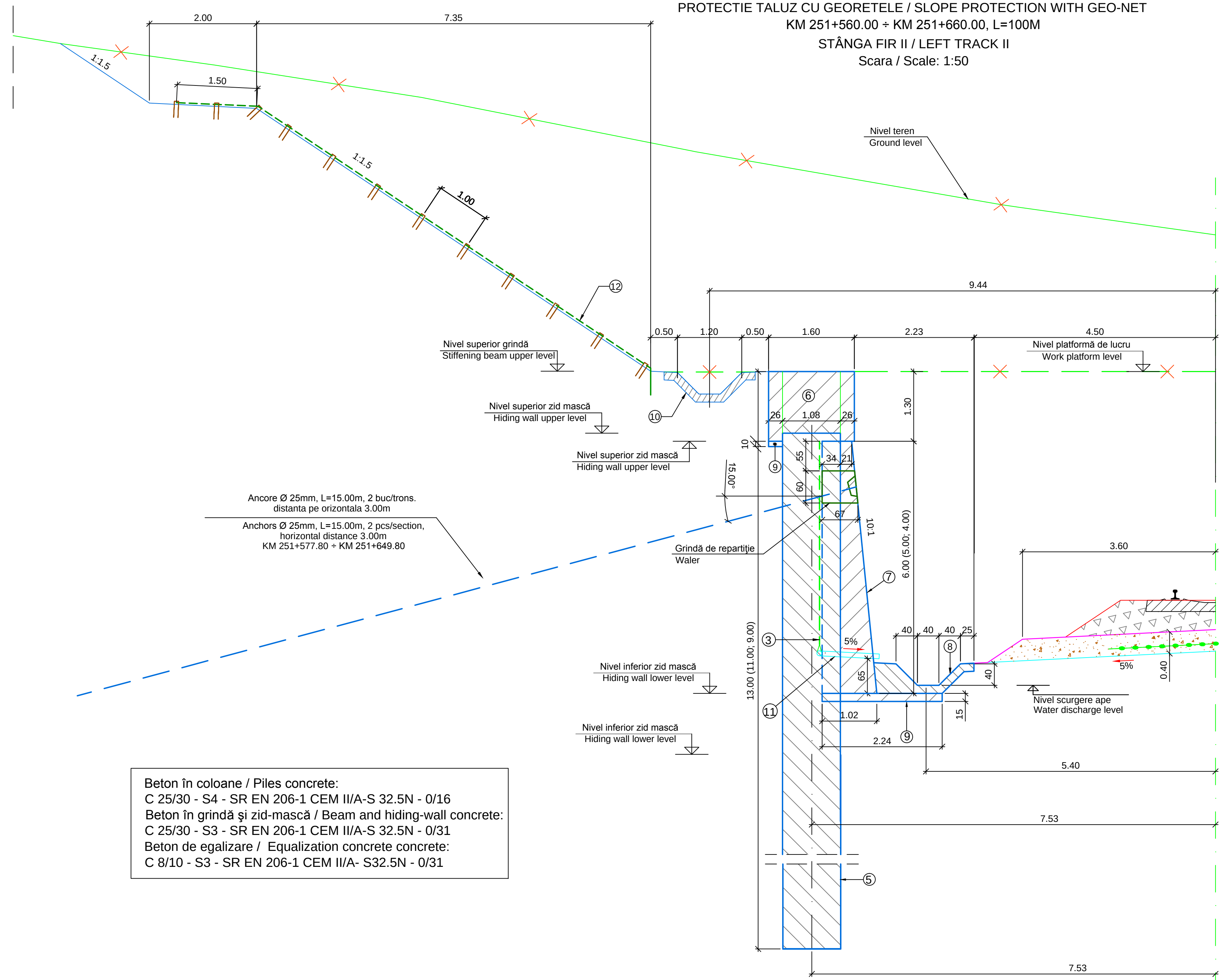
KM 251+559.80 ÷ KM 251+673.80, L=114M

PROTECTIE TALUZ CU GEORETELE / SLOPE PROTECTION WITH GEO-NET

KM 251+560.00 ÷ KM 251+660.00, L=100M

STÂNGA FIR II / LEFT TRACK II

Scara / Scale: 1:50



Beton în coloane / Piles concrete:
C 25/30 - S4 - SR EN 206-1 CEM II/A-S 32.5N - 0/16
Beton în grindă şi zid-mască / Beam and hiding-wall concrete:
C 25/30 - S3 - SR EN 206-1 CEM II/A-S 32.5N - 0/31
Beton de egalizare / Equalization concrete concrete:
C 8/10 - S3 - SR EN 206-1 CEM II/A- S32.5N - 0/31

NOTĂ:
1. Detalii pentru armare coloane se găsesc în planşa EA51 01 E 00 BB CT 000 X 017
2. Detalii pentru armare grindă de solidarizare şi zid-mască EA51 01 E 00 BB CT 000 X 018
3. Dimensiunile coloanelor proiectate se vor definitiva după realizarea investigaţiilor geotehnice în amplasamentul lucrării.

NOTE:
1. The details for column reinforcement are found in drawing EA51 01 E 00 BB CT 000 X 017
2. The details for reinforcement of stiffening beam and hiding wall are found in drawing EA51 01 E 00 BB CT 000 X 018
3. The dimensions of the designed retaining wall will be finalized after receiving the required geotechnical investigations.

LEGENDĂ:

1. Fundaţie din beton clasa C 8/10 de 15cm grosime
2. Şanţ ranforsat prefabricat tip 2 (plan EA5101E00QKCT00050140)
3. Geocompozit drenant
4. Tub PEHD Ø 90mm
5. Coloane din beton armat Ø 1080mm
6. Grindă de solidarizare din beton armat
7. Zid mască din beton armat
8. Şanţ monolit din beton clasa C25/30
9. Beton de egalizare
10. Şanţ monolit din beton clasa C 25/30 (plan EA5101E00BBTR00010020)
11. Barbacană din tub PVC Ø 90mm
12. Pământ vegetal
13. Rost de separaţie din două foi de carton bitumat
14. Zid întors

LEGEND:

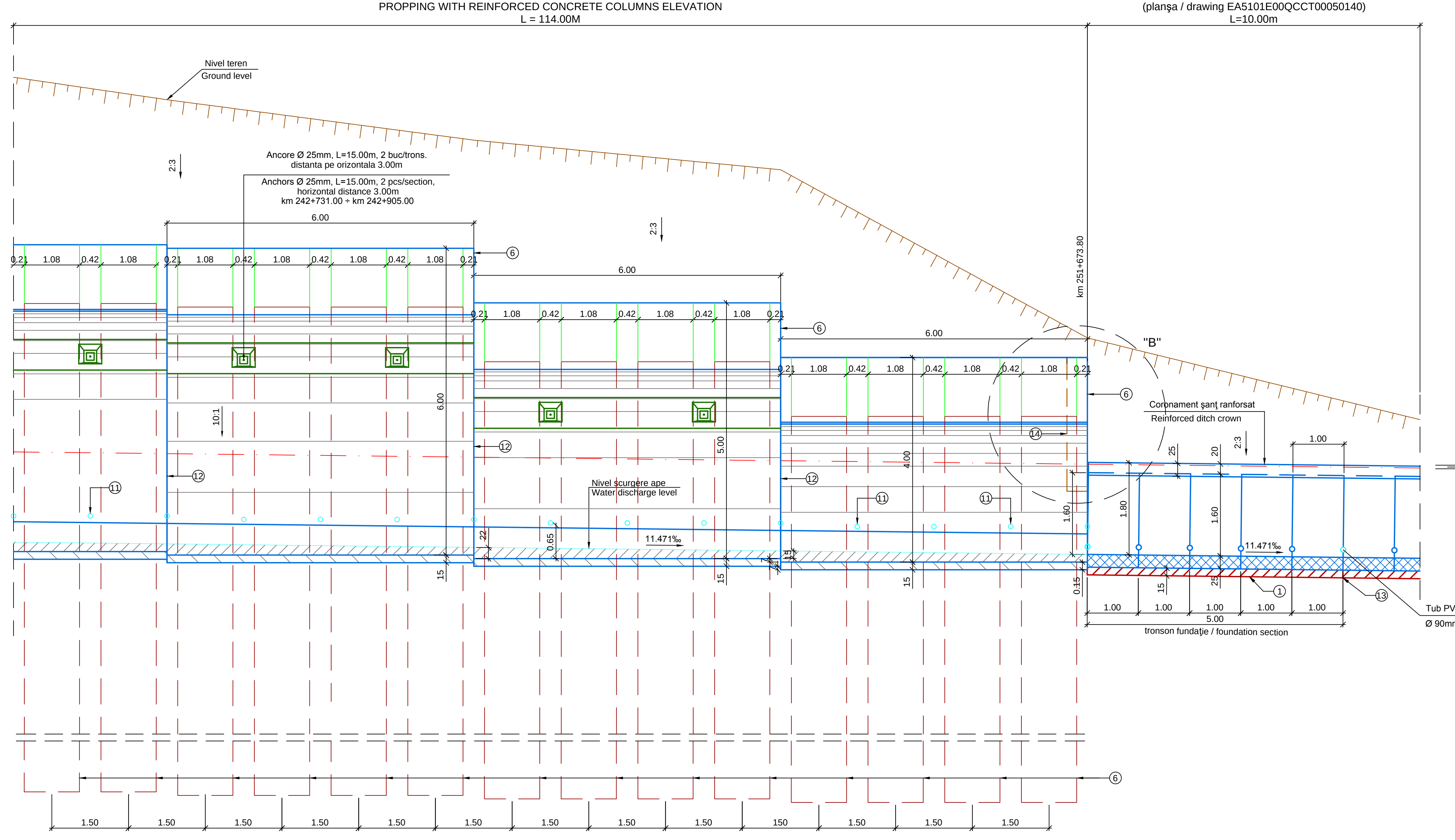
1. 15cm thick concrete foundation, class C 8/10
2. Prefabricated reinforcing ditch type 2 (drawing EA5101E00QCCT00050140)
3. Draining geo-composite
4. Ø 90mm PEHD pipe
5. 1080mm reinforced concrete columns
6. Reinforced concrete stiffening beam
7. Reinforced concrete hiding wall
8. C 25/30 class concrete monolith ditch
9. Equalization concrete
10. C 25/30 class concrete monolith ditch (drawing EA5101E00BBTR00010020)
11. PVC tube weeper, D=90mm
12. Vegetal soil
13. Vertical separation joint out of two asphalt board sheets
14. Reverted wall

ELEVAŢIE / ELEVATION

Scara / Scale 1:50

SPRIJINIRE CU COLOANE DE BETON ARMAT
PROPPING WITH REINFORCED CONCRETE COLUMNS ELEVATION
L = 114.00M

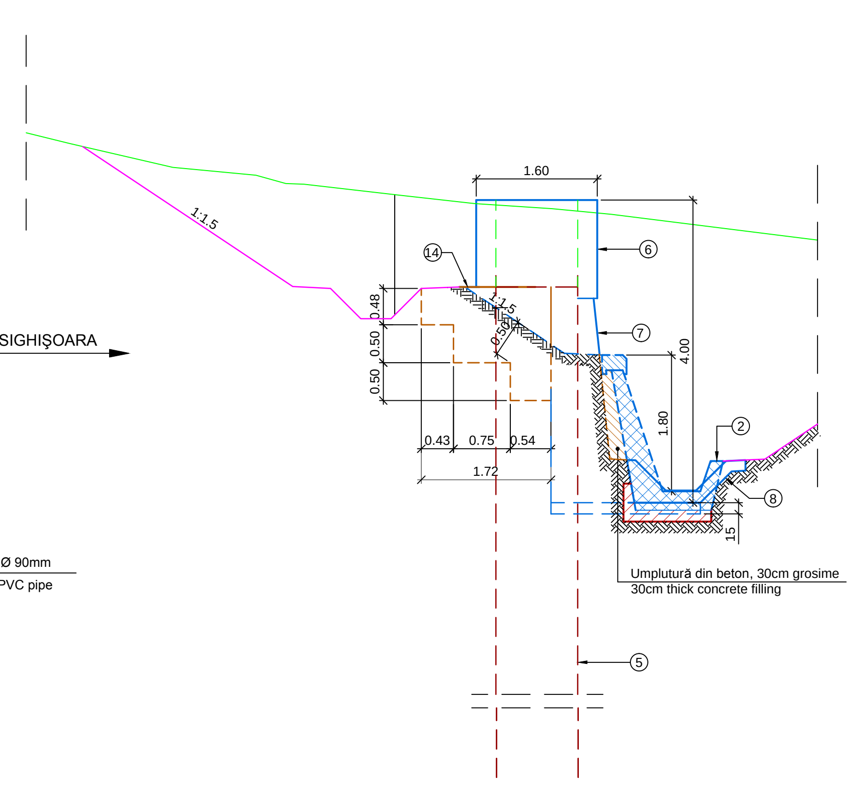
ŞANŢ RANFORSAT PREFABRICAT TIP 2
PREFABRICATED REINFORCED DITCH TYPE 2
(planşa / drawing EA5101E00QCCT00050140)
L=10.00m



DETALIU / DETAIL "B"

ZID ÎNTORS / REVERTED WALL

Scara / Scale 1:50



ECHIVALARE KILOMETRAJ
KILOMETER EQUIVALENCE

Fir I / Track I	Fir II / Track II
km 251+538.80	km 251+533.55
km 251+553.80	km 251+548.55
km 251+559.80	km 251+554.55
km 251+577.80	km 251+572.55
km 251+649.80	km 251+644.55
km 251+673.80	km 251+668.56
km 251+683.80	km 251+678.52
km 251+698.80	km 251+693.58

NOTĂ:
- Lucrările proiectate sunt raportate la kilometrajul firului I.

NOTE:
- The designed works shall be reported to track I kilometer.

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	dec. 2011	
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli	dec. 2011	
Verificat Checked	Expert Cheie Key Expert	A. Troiano	dec. 2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Stanciu - Dinulescu		
Întocmit Elaborated	Proiectant Designer	V. Gradin		

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Braşov - Sighişoara
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 : Braşov - Sighişoara

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

Faza / Phase:
D.E. / E.D.

Denumire desen / Drawing Title :

Interval Caţa - Archita / Caţa - Archita Section
Consolidare stanga fir II, zona km 251+553.80 ÷ km 251+683.80
Consolidation left track II, area km 251+553.80 ÷ km 251+683.80

Codificare / Codification System	Scara / Scale 1:50	LOT / LOT	Nr. / No 01 / 01

EA51 01 E 14 PB CT 02 3 X 001 2