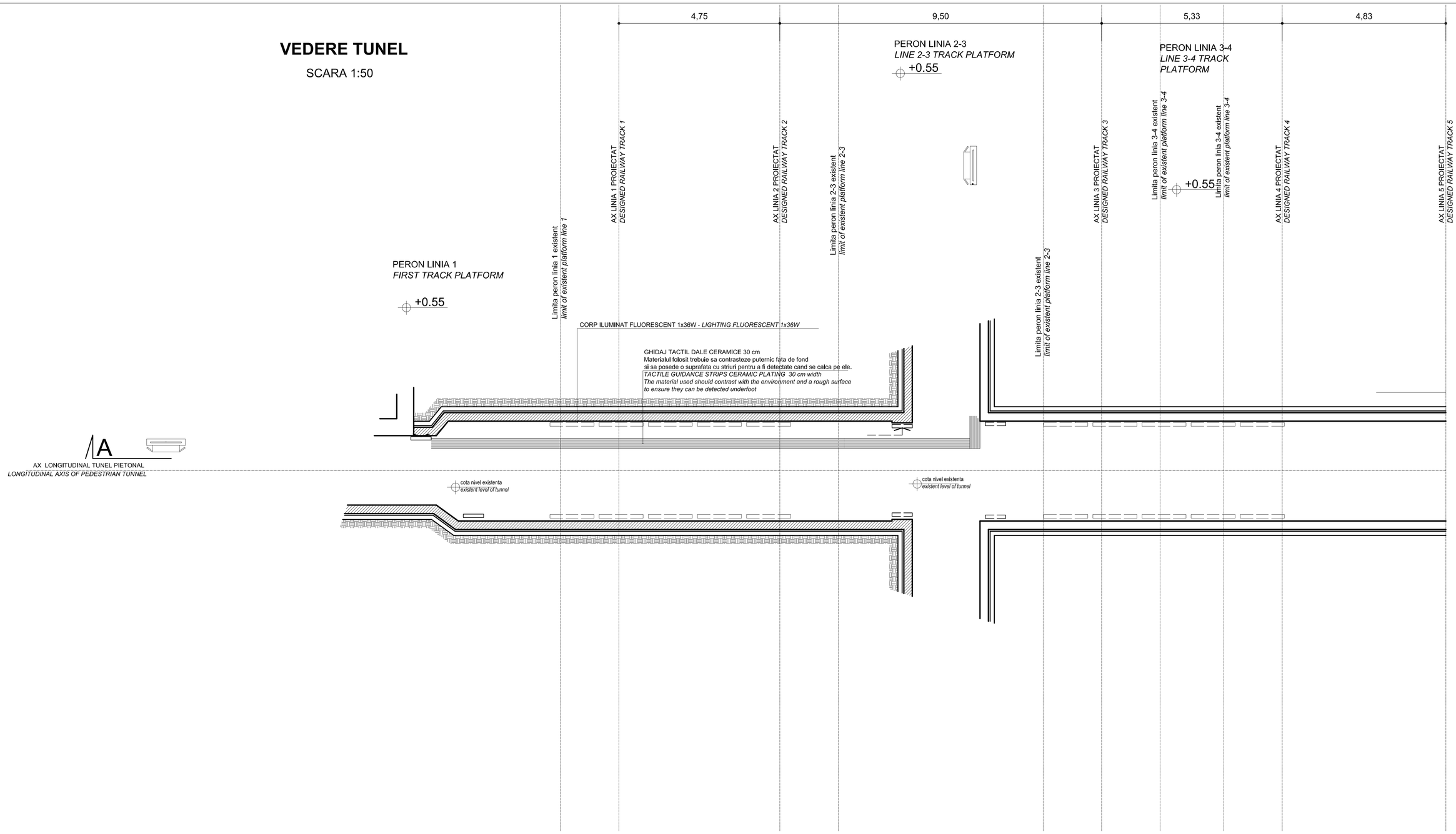
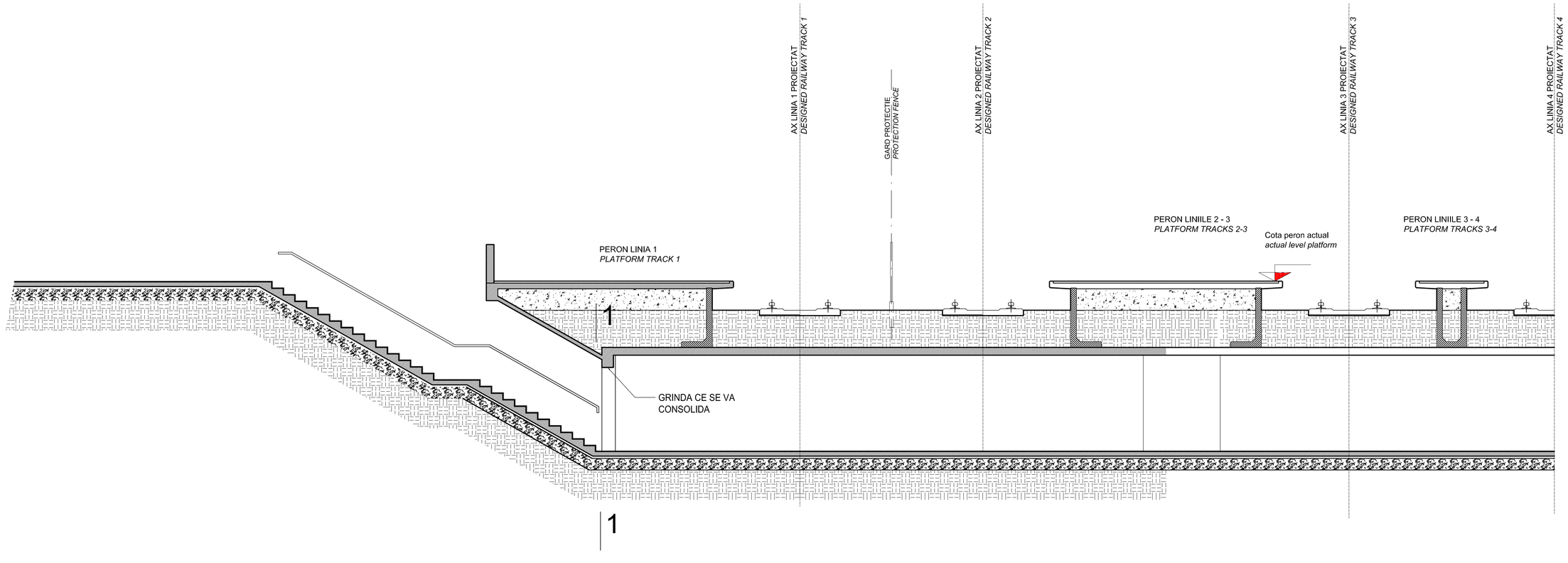
VEDERE TUNEL

SCARA 1:50



SECTIUNE PRIN TUNEL (lungime partiala spre caldire CED)



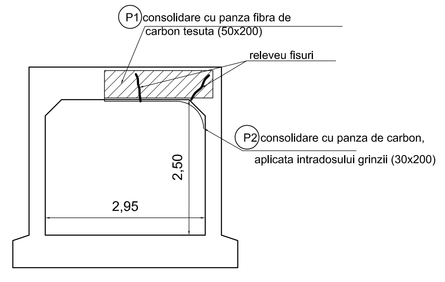
NOTA/ *NOTE:*

- Se va analiza vizual cu constinciozitate toata suprafata intradosului subtraversarii (tunelului) pentru determinarea defectelor aparute la structura in timp.
- *All the area of the intrados of the underpassing (of the tunnel) will be visually analysed in order to detemine the faults appeared in time at its structure.*
- Se vor marca fisurile si defectele aparute..
- *The cracs and faults that appeared will be marked.*
- Se deschid toate fisurile ce depasesc 0.4 mm, sau cele de peste 0.1 mm in zonele in care armatura este corodata sau apar trasee cu pete de rugina, facandu-se observatii asupra starii acesteia;aceasta operatie se executa manual, prin ciocanire usoara cu buciarda, spargere atenta cu dalti ascutite si ciocane mici de pana la greutatea de 250 g, prin loviri scurte si usoare, fara atingerea armaturii de otel.
- *The cracks over 0.1mm and the cracks over 0.4mm will be opened in the areas where the reinforcement will be issued, this operation is execututed manually; by light kmoking using sharp gouge and small hammers (250 g) by lightand short tapping, without touching the steel reinforcement.*
- Se curata cu peria de sarma armaturile corodate prin indepartarea produsilor de coroziune.
- *The attecked reinforcement will be cleaned using a wite brush, clearing the factors that lead to the attack.*
- Suprafetele curatate se desprafuiesc prin stergere cu peria de par sau prin suflare cu aer comprimat.
- *The cleaned surfaces will be cleaned of dust by swipping using a hait brush orby compressed air prompting*
- Se verifica alcalinitatea betonului cu o solutie alcoolica de fenolftaleina 0.1%.Daca betonul se coloreaza in rosu spre violet intens, se considera ca este destul de alcalin pentru a asigura protectia armaturilor de otel. In cazul in care se constata ca betonul si-a pierdut alcalinitatea (betonul nu se coloreaza), se repeta operatia pana se ajunge la betonul alcalin sau la armatura. Betonul dezalcalinizat se indeparteaza.
- *The alka linity of the concrete is cheked using an alchadic solution of phenolphthalein of 0.1%. In the concrete will color in red to dark purple, it is considered alkalin enough to ensure the protection of the steel reinforcements If the concrete lost its alkalinity (the solution doesn't color) the operation is repeated until the alkalin concret is obtain or until it reaches the reinforcement.*
- Se spala cu apa suprafetele de beton curatate care urmeaza sa fie reparate cu un mortar de ciment
- *The cleaned concrete surfaces that will be repaired with cement mortar will be washed with water.*
- Dupa spalare, zona de beton se usuca complet si se trece la executarea operatiilor de remediere
- *After washing, the concrete area is completly dried and it proceeds with the repairment procedures.*

The consolidation solution with cloth of carbon fiber, unidirectional for dry application procedure (reinforcement of the cracks appearred in the support beam from the end of the stairs, intersected with the underpassing acces tunnel)

Solutie de consolidare cu panza din fibra de carbon tesuta, unidirectionala pentru procesul de aplicare uscata (consolidarea fisuritor aparute in grinda-cadru din capatul scarii, intersectie cu tunel de acces al subtraversarii)

Sectiune 1-1



TUNEL PIETONAL EXISTENT
STATIA CF SIGHISOARA Km 282+020

EXISTENT PEDESTRIAN TUNNEL
SIGHISOARA RAILWAY STATION Km282+020

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 PROJE

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

CLIENT / CLIENT

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. Lkuzza	12.2011	
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli	12.2011	
Verificat Checked	Expert Cheie Checking Expert	Giuseppe Fioravanti	12.2011	

SUBCONTRACTANT / SUBCONTRACTOR AREX

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	Anca Rus	12.2011	

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 :
TUNEL PIETONAL STATIA C.F. SIGHISOARA - PLAN CONSOLIDARE
SIGHISOARA RAILWAY STATION - PEDESTRIAN TUNNEL , REHABILITATION PLAN

Codificare / Codification System	Scara / Scale 1:50	LOT / LOT	Nr. / No 01 / 01
EA51 01 E 21 BB CC 01 0 4 0008 0			

A1 841X1336