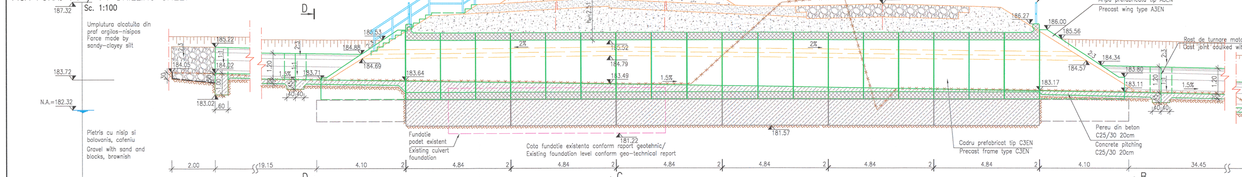
PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS

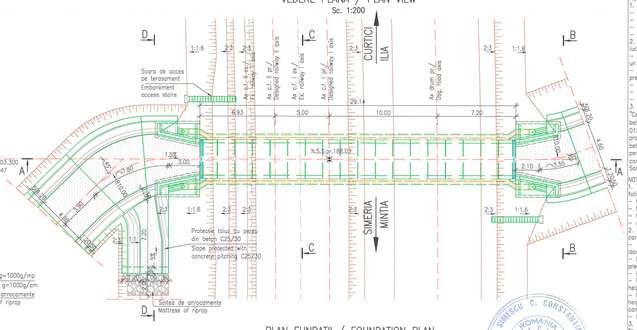
ACOPERIRE ROSTURI ELEMENTE PREFABRICATE JOINTS COVERING PRECAST ELEMENTS	P	T	0	3	0	2	0	0	P	0	0	1
HIDROIZOLATIE SI SISTEM DE DRENARE PODETE WATERPROOFING AND DRAINAGE SYSTEM CULVERTS	P	T	0	3	0	2	0	0	P	0	0	2
PARAPET METALIC PODETE METALLIC HANDRAIL CULVERTS	P	T	0	3	0	2	0	0	P	0	0	3
PLAN COFRAJ CADRU TIP C3EN_m SHUTTERING PLAN FRAME TYPE C3EN_m	P	T	0	3	0	2	0	0	P	0	0	1
PLAN COFRAJ CADRU TIP C3EN_c SHUTTERING PLAN FRAME TYPE C3EN_c	P	T	0	3	0	2	0	0	P	0	0	2
PLAN COFRAJ ARIPA TIP A3EN SHUTTERING PLAN WING A3EN TYPE	P	T	0	3	0	2	0	0	P	0	0	5
SCARA DE ACCES SI BALUSTRADA METALICA ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	3	0	2	0	0	P	0	0	2
FUNDATII PREFABRICATA PENTRU PODURI PROVIZORII SI DETALII DE REZEMARE PODURI PROVIZORII PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES	P	T	0	3	0	2	0	0	P	0	0	3

FISA FORAJ F1 / F1 DRILLING SHEET
Sc. 1:100



SECTIUNE A–A / SECTION A–A
Sc. 1:100

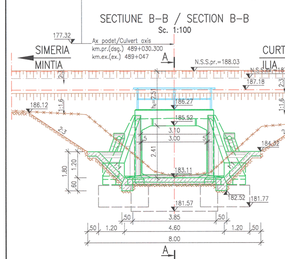
VEDERE PLANA / PLAN VIEW
Sc. 1:200



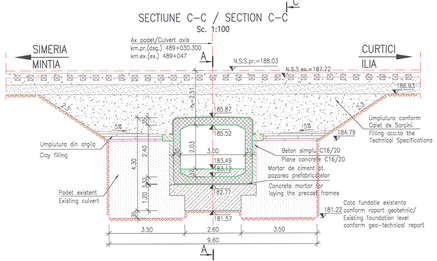
NOTA:
1. Prezentul plan s-a intocmit in baza urmatoarelor date:
– ridicarea topografica;
– studiu hidraulic;
– studiu geotehnic;
– date cuiese pe teren.
2. Pentru constructia podetului se vor executa urmatoarele lucrari:
– imbicuirea podului existent, in acelasi amplasament, cu un podet nou tip C3EN;
– Rezordonarea podetului nou cu terasamentul cu arip prefabricate tip A3EN in cuiul in amonte.
– Parapet din teava metalica pe timpane;
– Protectia cheii in zona podetului cu perau din beton;
– Impermeabilizarea suprafetelor din beton vizibile
3. La executia se vor respecta cu strictete prescriptiile din "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat"indicativ NE 012–2007, NE 013–2002 din "Instructiunile tehnice privind proiectarea si executarea a defectelor pentru elementele de beton si beton armat" indicativ C149–87, din "Normativul pentru verificarea calitatii si recepia lucrarilor de construcctii aferente" indicativ C56–85 si a Caietului de sarcini.

NOTE:
1. This plan has been drawn up on the basis of the following data:
– topo layout;
– the hydraulic study;
– the geotechnical study;
– acquisition of data to area.
2. In order to execute the culvert, the next works will be carried on:
– Replacement of the existing bridge on the same location with a new culvert type C1EN;
– Connection of the new culvert to the embankments with precast wings type A1EN in downstream and upstream;
– Parapet mode of metallic pipe on the tympans;
– Protection of the riverbed in the area of the culvert by the of concrete pitching;
– Connection of the new culvert with the embankment by rerp of precast wings type A3EN downstream and connection to the existing situation from upstream;
– Coating on all visible concrete surfaces
3. There will be strictly respected the provisions from "Practice code for plain concrete, reinforced concrete and prestressed concrete works execution" ind. NE012–99, NE013–2002 "Practice code for plain concrete, reinforced concrete and prestressed concrete prefabricated elements works" ind. NE013–2002, from "Technical instructions regarding the design and execution of reinforced concrete and concrete elements" C149–87, from "Normative for quality checking and works reception for ofterent construction" ind. C56–85 and Technical Specifications of the project.

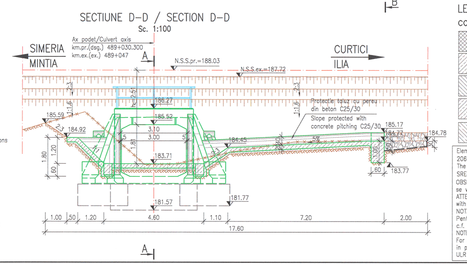
SECTIUNE B–B / SECTION B–B
Sc. 1:100



SECTIUNE C–C / SECTION C–C
Sc. 1:100



SECTIUNE D–D / SECTION D–D
Sc. 1:100



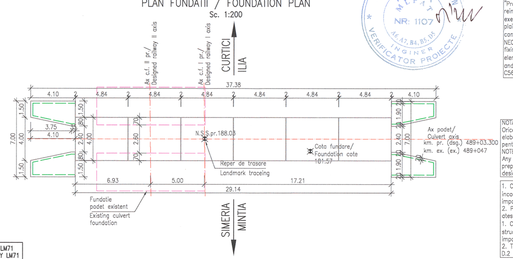
LEGENDA BETOANELOR/CONCRETE LEGEND
conform NE 012–1:2007/SR EN 206–1

	BETON C25/45 – Clasa de expunere XC1+XF3, agregate D_{max} 22 ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS
	BETON C25/30 – Clasa de expunere XC2+XF1+XA1, agregate D_{max} 22. FUNDATII DIRECTE/DIRECT FOUNDATIONS
	BETON C25/30 – Clasa de expunere XC4+XF1+XM1, agregate D_{max} 16. SAPA DE PROTECTIE A HIDROIZOLATIEI/ WATERPROOFING PROTECTION
	BETON C25/30 – Clasa de expunere XC4+XF3+XA1, agregate D_{max} 22. PERUI SI SCARI DE ACCES/ PITCHING, ACCESS AND STAIRS
	BETON C16/20 – Clasa de expunere X0+XF3, agregate D_{max} 16. BETON DE UMPLUTURA/ DRAINAGE, SLOPE, LEAN CONCRETE

Elementele prefabricatele trebuie so corespunda cerintelor din SREN 206–1/2000
The precast elements have to observe the requirements specified in SREN 206–1/2000
OBSERVATII: Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.
ATTENTION: All concrete surfaces in contact with soil will be coated with 2 bituminuous layers.
NOTA:
Pentru trasarea lucrarilor se vor folosi ca repere in plan axele liniilor c.f. ce ca repere in nivel cota NSS proiectat pe linia I
NOTE:
For the mapping out of the works there will be used as landmarks in plan the axis of the railways and as benchmarks for level the U.R deg. level on track I.

CONVOI DE CALCUL LM71
CALCULATION CONVOY LM71

PLAN FUNDATII / FOUNDATION PLAN
Sc. 1:200



NOTA:
Se recomandanta intre elementele ovute in vedere la elaborarea proiectului si teren vi fi anuntata proiectantului pentru adaptare la situatia existenta.
NOTE:
Any incongruity between the elements considered when preparing the design and the site will be announced to the designer for adaptation to the existent situation.

1. Conform H.G. 766/1997 lucrarea se incadreaza in categoria "B" a constructiilor de importanta deosebita.
2. Proiectul va fi verificat de verificatori atestati MLPAT si exigentele A4, B.2 si D.2.
1. Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
2. The project will be verified at A4, B.2 and D.2 requirements.

CANAL I. IONUT RADU
ROMANIA
APPR.
Nr. 07230
44.82.00.00
VERIFICATOR PROIECTE

Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version

CERC. C. ANTON
ROMANIA
APPR.
NR. 11067
VERIFICATOR PROIECTE

SIMESCU C. CONSTANTIN
ROMANIA
APPR.
NR. 11067
VERIFICATOR PROIECTE

Verificator Expert / Verificator Expert	Cerinta Requirement	Semnatura Signature	Referat Expertiza / Report / Expertise

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

CFR

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PÖYRY			Data Date	Semnatura Signature
Aprobat Approved	Sef de echipa Team leader	C. Teodorescu	01.2013	
Verificat Checked	Expert Cheie Key Expert	R. Tudoraşcu	01.2013	
Subcontractant / Subcontractor VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	I. Păunescu	01.2013	

"Reabilitarea liniei c.f. Frontier à - Curtici - Simeria, parte componentă a Coridorului IV Pan - European pentru circulaţia în trenuriler cu viteză maximă de 160 km/h"
Tronsonul 3: Gurasada - Simeria

"Rehabilitation of the Railway Line Border - Curtici - Simeria , component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"
Section 3: Gurasada - Simeria

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA / GENERAL LAYOUT
PODET / CULVERT KM.PR.(DSG.) 489+030.300 KM.EX. 489+047

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:200 ; 1:100	1 / 04.2013	PT.03.02.24.PO.04.03	03