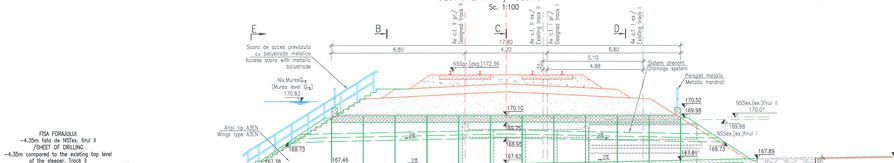
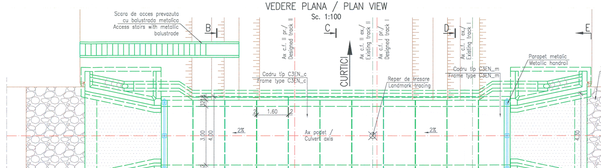
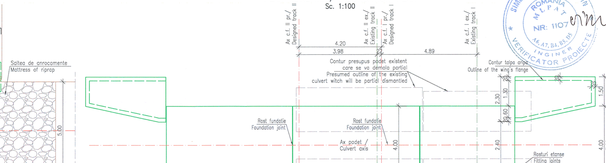
SECTIUNE A–A / SECTION A–A
Sc. 1:100



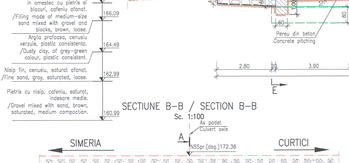
VEDERE PLANA / PLAN VIEW
Sc. 1:100



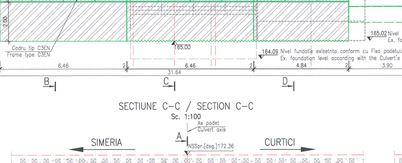
PLAN FUNDATII / FOUNDATION PLAN
Sc. 1:100



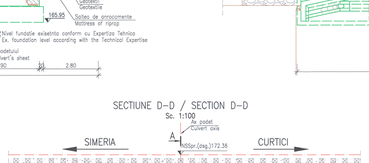
SECTIUNE B–B / SECTION B–B
Sc. 1:100



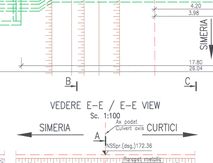
SECTIUNE C–C / SECTION C–C
Sc. 1:100



SECTIUNE D–D / SECTION D–D
Sc. 1:100



VEDERE E–E / E–E VIEW
Sc. 1:100



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

- BETON C35/45 – Clasa de expunere XC4+XD1+XF3, agregate Dmax 22. ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS
- BETON C25/30 – Clasa de expunere XC2+XF1+XA1, agregate Dmax 22. FUNDATII DIRECTE /DIRECT FOUNDATIONS
- BETON C25/30 – Clasa de expunere XC4+XF3, agregate Dmax 22. ELEMENTI SI ZIDURI DE SPRIJIN/ELEVATIONS AND RETAINING WALLS
- BETON C35/45 – Clasa de expunere XC4+XF1+XM1, agregate Dmax 16. SAPA DE PROTECTIE A HIDROIZOLATIEI/WATERPROOFING PROTECTION
- BETON C25/30 – Clasa de expunere XC4+XF3+XA1, agregate Dmax 22. PERELI SI SCARI DE ACCES/PITCHING, ACCES AND STAIRS
- BETON C16/20 – Clasa de expunere XO+XF3, agregate Dmax 16. DREN, BETON DE PANTA SI DE EGALIZARE /DRAINAGE, SLOPE AND LEAN CONCRETE

NOTA:
1. Prezentul plan a-a intocmit in baza urmatoarelor date:
– ridicarea topografica;
– studiu hidrologic;
– studiu geotehnic;
– date cuiese pe teren.
2. Pentru executia podetului se vor executa urmatoarele lucrari:
– inlocuirea podetului existent, in acelasi amplasament, cu un podet nou tip C3EN;
– Racordarea podetului nou cu terasamentul se va realiza in amonte si in aval cu aripi prefabricate tip A3EN;
– Prevazut din treapa metalica pe timpanul;
– Protectia albiei se pana podetului cu pereu din beton;
– Impermeabilizarea suprafetelor din beton vizibile din 3. La executie se vor respecta cu strictete prevederile din "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat",indicativ NE 012, NE 013-2002 din "Instructiunile tehnice privind procedeele de remediere a defectelor pentru elementele de beton si beton armat" indicativ C149-88, din "Normativul pentru verificarea calitatii si receptia lucrarilor de constructii ellenarte" indicativ C56-85 si a Ordetului de Sancin.
4. Conform H.G. 766/1997 lucrarea se incadreaza in categoria "B" a constructiilor de importanta deosebita.
5. Proiectul va fi verificat de verificatori atestati MLPAT in exigentele A.4, B.2 si D.2.
6. Pentru trasarea lucrarilor se vor folosi ca repere in plan axele liniilor c.f. iar ca repere de nivel cota NSSDn-j 172.36m.
7. Orice reconcordonta intre elementele ovute in vedere si executie va fi aprobata intre ele. beren va fi executata protectiontului pentru adoptare la situatia existenta.
8. Elementele prefabricate vor fi din beton si corespunde cerintelor din SREN 206-1/2002.
9. Toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum fierbinte.

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 done:
– Replacement of the existing culvert on the same location with a new culvert type C3EN;
– The connection of the new culvert with the embankment will be carried-out downstream and upstream by way of precast wings type A3EN;
– Provided made of metallic pipe on the tympone;
– Protection of the riverbed in the area of the culvert by help of concrete plaching;
– Cooling all visible concrete surfaces in contact.
3. There will be strictly respected the provisions from "Practice code for plain concrete, reinforced concrete and prestressed concrete works execution" ind. NE 012, NE013-2002 "Practice code for plain concrete, reinforced concrete and prestressed concrete structural elements execution" ind. NE013-2002, from "Technical instructions regarding the fixing procedures for concrete and reinforced concrete elements" C149-87, from "Normative for quality checking and works reception for different construction" ind. C56-85 and Technical Specifications of this project.
4. Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
5. The project will be verified at A.4, B.2 and D.2 requirements.
6. For setting out the works, the axes of the railway lines will be utilized as reference marks in plan and the NSSDnj.(top of the rail) of 172.36m.
7. Any discrepancy between the elements considered when preparing the design and the site will be announced to the designer for adoption of the solution existent situation.
8. The precast elements have to observe the requirements specified in SREN 206-1/2002
9. All concrete surfaces in contact with soil will be coated with 2 bituminous layers.

CONVOI DE CALCUL LM71.
CALCULATION CONVOY LM71

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS

ACOPERIRE ROSTURI ELEMENTE PREFABRICATE	P	I	O	2	0	2	0	P	O	0	0	0	1
JOINTS COVERING PRECAST ELEMENTS													
HIDROIZOLATII SI SISTEM DE DRENARE PODETE	P	I	O	2	0	2	0	P	O	0	0	0	2
WATERPROOFING AND DRAINAGE SYSTEM CULVERTS													
PARAPET METALIC PODETE	P	I	O	2	0	2	0	P	O	0	0	0	3
METALLIC HANDRAIL CULVERTS													
PLAN COFRAJ CADRU TIP C3EN_m	P	I	O	2	0	2	0	P	O	0	0	0	4
SHUTTERING PLAN FRAME TYPE C3EN_m													
PLAN COFRAJ CADRU TIP C3EN_c	P	I	O	2	0	2	0	P	O	0	0	0	5
SHUTTERING PLAN FRAME TYPE C3EN_c													
PLAN COFRAJ ARIPA TIP A3EN	P	I	O	2	0	2	0	P	O	0	0	0	6
SHUTTERING PLAN WING A3EN TYPE													
SCARA DE ACCES SI BALUSTRADA METALICA	P	I	O	2	0	2	0	P	O	0	0	0	7
ACCESS STAIRS AND METALLIC BALUSTRADE													
FUNDATII: PREFABRICATA PENTRU PODURI PROVIZORII SI DETALII DE REZEMARE PODURI PROVIZORII	P	I	O	2	0	2	0	P	O	0	0	0	8
PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES													

OBSERVATII:
– Conturul structurilor existente o fost determinat cu ajutorul Schitei podetului preluata la Fisa Podetului, foaia putin lizibila.
– Forma definitiva a fundatiei noului podet se va stabili dupa deschiderea santului pentru fundatia existenta.
– Adaptarea proiectului va fi facuta de catre proiectant.

OBSERVATII:
– The contour of the existing structures was set by help of the Culvert Sketch attached to the Culvert Sheet which is slightly readable.
– The final shape of the new culvert's foundation will be established after uncovering the site up to the existing foundation.
– The design will be adapted by the designer.

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

Verificator / Expert Checklist / Expert	Cerinta Requirement	Semnatura Signature	Rezolvat / Expertiza Report / Expertize

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY:
COMPANIA NATIONALA DE CAI 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. Tudorascu	01.2013	
Subcontractant / Subcontractor VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	R. Tănăsescu	01.2013	

"Reabilitarea liniei c.f. Frontier à - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulatia trenurilor cu viteza maximă de 160 km/h"
Tronsonul 2-C : cap Y Iteu - cap Y Gurasada
"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 2-C : end Y Iteu - end Y Gurasada

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:
DISPOZITIE GENERALA / GENERAL LAYOUT
PODET / CULVERT
KM.PK.(DSG.) 1+304.00 / KM.EX.(EX.) 512+381.00

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.02.02.19.PO.01.03	03