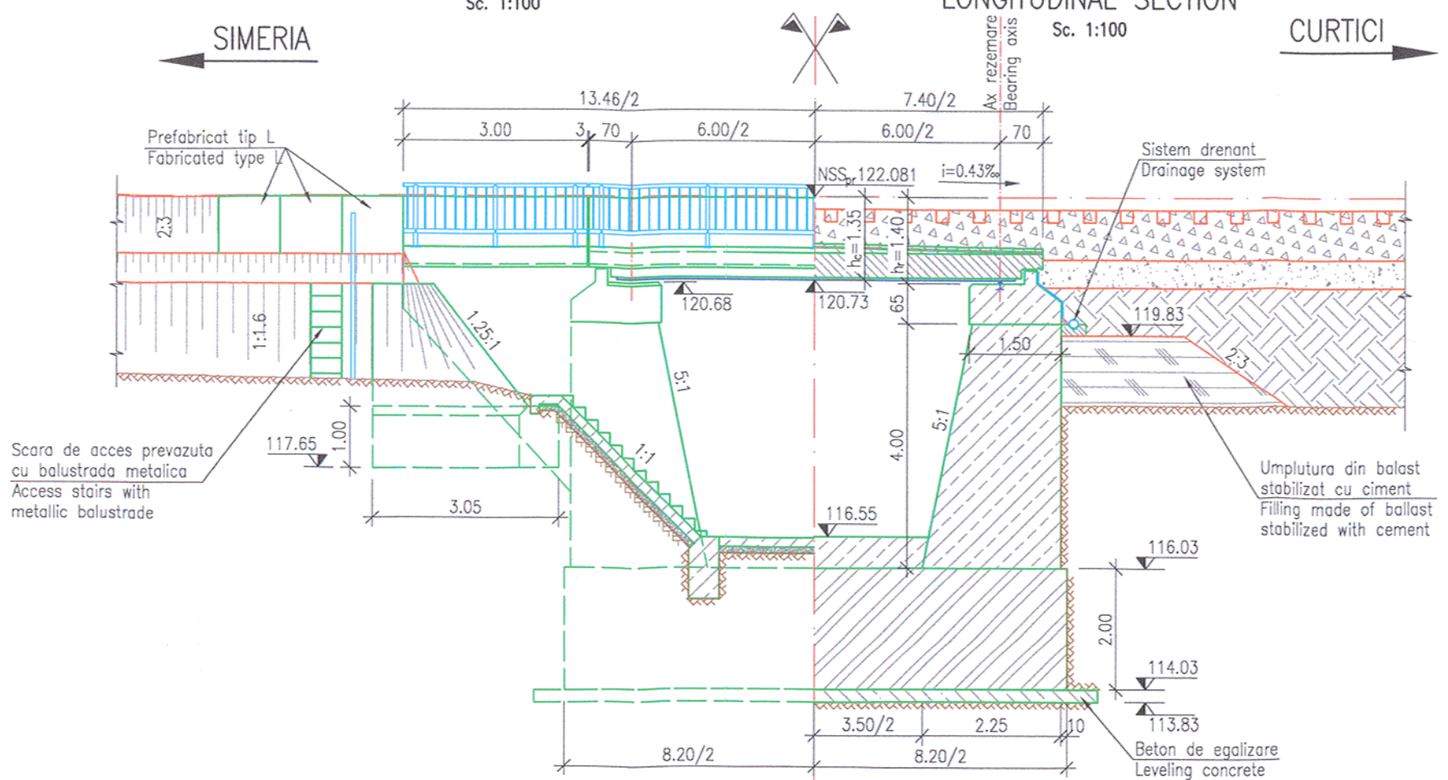
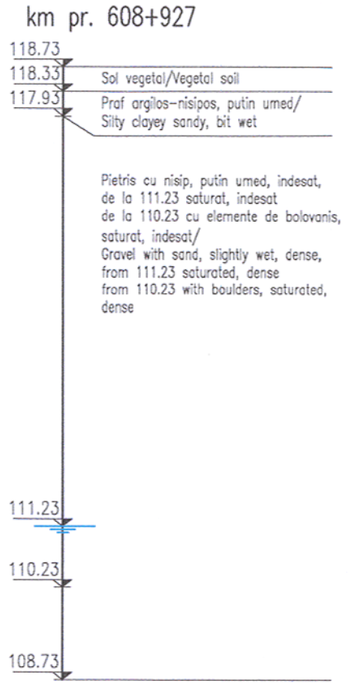
ELEVATIE / ELEVATION
Sc. 1:100

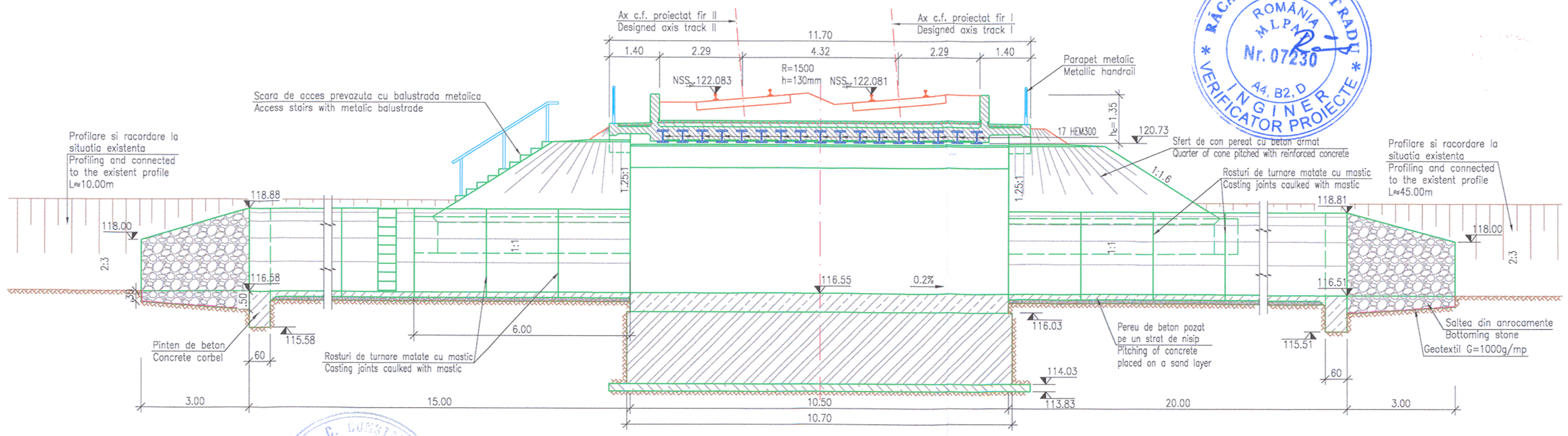


SECTIUNE LONGITUDINALA
LONGITUDINAL SECTION
Sc. 1:100

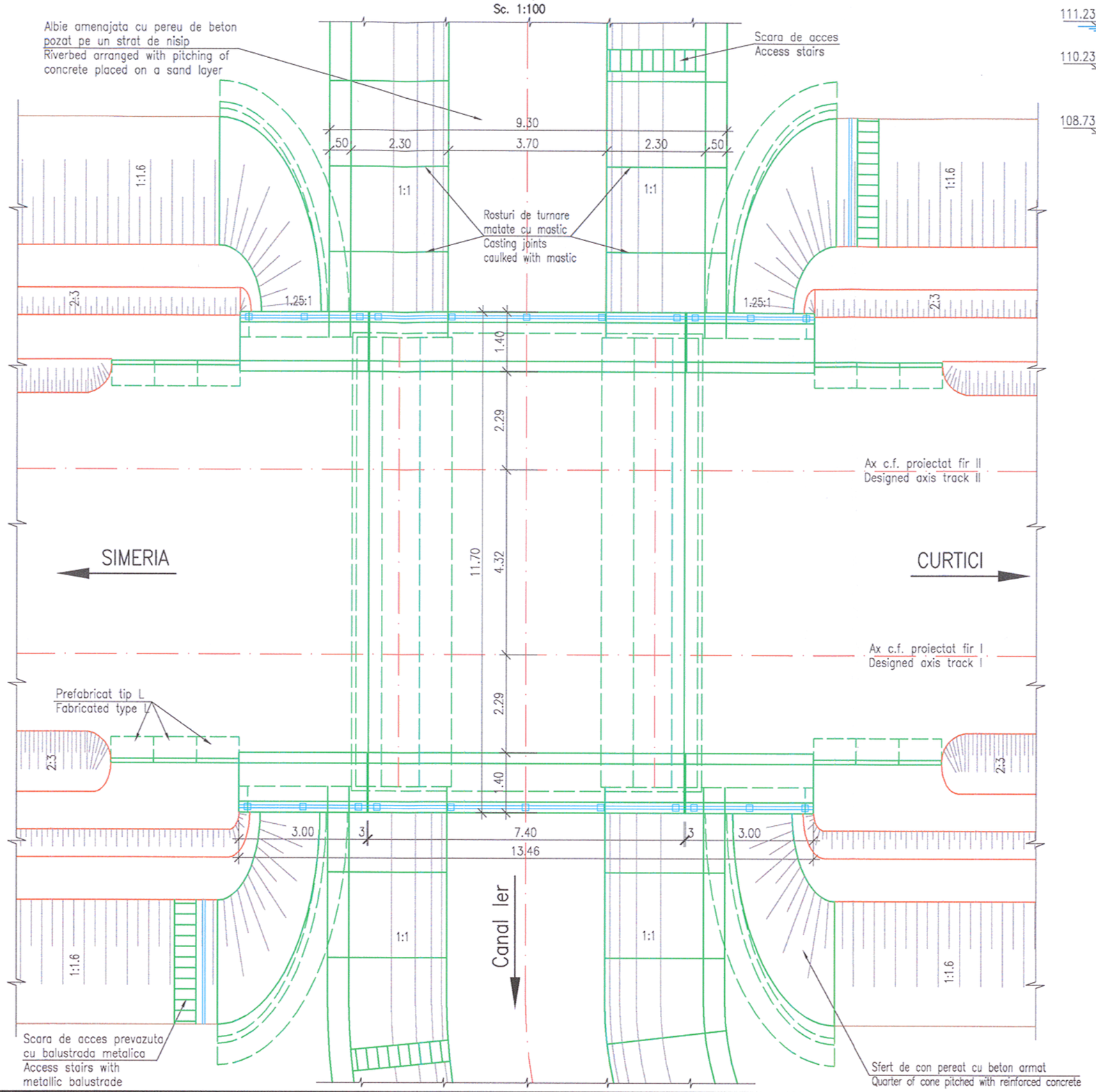
FISA FORAJULUI F1Ø7"
SHEET OF DRILING F1Ø7"
km pr. 608+927



SECTIUNE TRANSVERSALA / CROSS SCTION
Sc. 1:100



VEDERE PLANA / PLAN VIEW
Sc. 1:100



NOTA:
1. Prezentul plan s-a intocmit in baza urmatoarelor date:
   - Studiu topografic;
   - Studiu geotehnic;
   - Expertiza tehnica;
   - Date culese pe teren;
2. Pentru realizarea podului nou se vor executa urmatoarele lucrari:
   - Suprastructura podului va fi un tablier alcatuit din grinzi metalice inglobate in beton (GMIB) cu deschiderea de 6.00m si cuva de balast;
   - Infrastructura va fi alcatuita din doua elevatii si un radier comun din beton armat;
   - Sferturile de con se vor perea cu beton armat cu grosime de 15cm, armat cu plasa sudata 100x100-8, pozat pe un pat de nisip de 10cm;
   - Impermeabilizarea suprafetelor de beton vizibile;
   - Amenajarea albiei cu pereu de beton pozat pe un strat de nisip in amonte de pod 15m si aval de pod 20m;
   - Profilare si racordare la situatia existenta pe circa 10m in amonte si circa 45m in aval;
   - Saltele de 3.00m lungime, din piatra bruta la capatul amonte si aval al perelui;
3. La executie se vor respecta cu strictete prevederile din SR EN 206-1, "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat. Producere beton", indicativ NE 012-1:2007, NE 012-2:2010 si NE 013/2002, din "Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente" indicativ C56-85 si a Caietului de Sarcini.
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 la exigentele A.4, B.2 si D.2.

NOTE:
1. This plan was prepared based on the next data:
   - Topo survey;
   - Geo-technical study;
   - Technical expertise;
   - Data collected on the site;
2. In order to execute the new bridge, the next works will be executed:
   - The superstructure of the bridge will be formed of deck made of metallic beams embedded in concrete(GMIB) with the span of 6.00m and ballast vat;
   - The infrastructure will be made-out of two abutments of reinforced concrete that are to be founded directly;
   - The quarters of cone will be pitched with reinforced concrete with the thickness of 15cm, reinforced with welded mesh 100x100-8, placed on a sand bed of 10cm;
   - All the visible concrete surfaces will be waterproofed;

   Riverbed arranged with pitching of concrete placed on a sand layer upstream and downstream from the bridge 15m and downstream from the bridge 20m;
   - Profiling and connected to the existent profile on aprox. 10m upstream and 45m downstream;
   - The mattresses of 3.00 m length made of rubble stone at the upstream and downstream end of the pitching;
3. The provisions of the following legislation are to be strictly observed during execution "Code of practice for executing the concrete, reinforced concrete and prestressed concrete works", indicative NE 012-2007, NE 012-2:2010 and NE 013/2002, "Normative for checking the quality and the taking-over of related construction works" indicative C56-85, SR EN 206-1 and Technical Specifications.
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.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS										
HIDROIZOLATIE SI ACOPERIRI DE ROSTURI WATERPROFFING AND EXPANSION JOINTS	P	T	0	2	0	2	0	0	P	O 0 1 9
SISTEM DE DRENARE PODURI BRIDGE DRAINAGE SYSTEM	P	T	0	2	0	2	0	0	P	O 0 2 0
ELEMENT PREFABRICAT TIP L PREFABRICATED ELEMENT TYPE L	P	T	0	2	0	2	0	0	P	O 0 2 1
SCARA DE ACCES SI BALUSTRADA METALICA ACCESS STAIRS AND METALLIC BALUSTRADE	P	T	0	2	0	2	0	0	P	O 0 2 2
PARAPET METALIC PENTRU PODURI DE BETON METALLIC HANDRAIL FOR CONCRETE BRIDGES	P	T	0	2	0	2	0	0	P	O 0 2 4

CONVOI DE CALCUL LM71
CALCULATION CONVOY LM71

OBSERVATIE:
- Pe toate suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.
- Protectia betonata a albie se va executa cu rosturi conform caiet de sarcini.

ATTENTION:
- All concrete surfaces in contact with soil will be coated with 2 bituminuous layers.
- The concrete protection of the riverbed will be executed with joints according with technical specifications.

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

- BETON C30/37 - Clasa de expunere XC3+XF1, agregate D_{max} 22
  DALA DE BETON/CONCRETE SLAB
- BETON C25/30 - Clasa de expunere XC2+XF1+XA1, agregate D_{max} 22.
  FUNDATII DIRECTE/DIRECT FOUNDATIONS
- BETON C25/30 - Clasa de expunere XC4+XF3, agregate D_{max} 22.
  ELEVATII INFRASTRUCTURA/INFRASTRUCTURE ELEVATIONS
- BETON C25/30 - Clasa de expunere XC4+XF1+XM1, agregate D_{max} 16.
  SAPA DE PROTECTIE A HIDROIZOLATIEI SI PREDALE/
  WATERPROOFING PROTECTION AND PRESLABS
- BETON C25/30 - Clasa de expunere XC4+XF3+XA1, agregate D_{max} 22.
  SFERT DE CON, PEREU SI SCARI DE ACCES/
  QUARTER CONE, PITCHING AND ACCESS STAIRS
- BETON C16/20 - Clasa de expunere X0+XF3, agregate D_{max} 16.
  DREN, BETON DE PANTA SI DE EGALIZARE/
  DRAINAGE, SLOPE AND LEAN CONCRETE

RĂCANEL I. IONUȚ RADU
ROMÂNIA MLPAT Nr. 07230
A4, B2, D INGINER VERIFICATOR PROIECTE

SIMESCU C. CONSTANTIN
ROMANIA MLPAT NR: 1107
A6, A7, B4, B5, B6 INGINER VERIFICATOR PROIECTE

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

C. ANTON BIOLOGIE MEDICINA GENERALA

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

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

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. Tudorascu	01.2013	
Subcontractant / Subcontractor VIOTOP				
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	A. Negrei	01.2013	

"Reabilitarea liniei c.f. Frontier à - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circula ția trenurilor cu viteză maximă de 160 km/h"
Tronsonul 2-A : km 614 - cap Y Bărzava
"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-A : km 614 - end Y Bărzava

Project 9i 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA / GENERAL LAYOUT
POD / BRIDGE KM pr. 608+538 (KM ex. 611+458)

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.02.02.01.PO.04.03	03