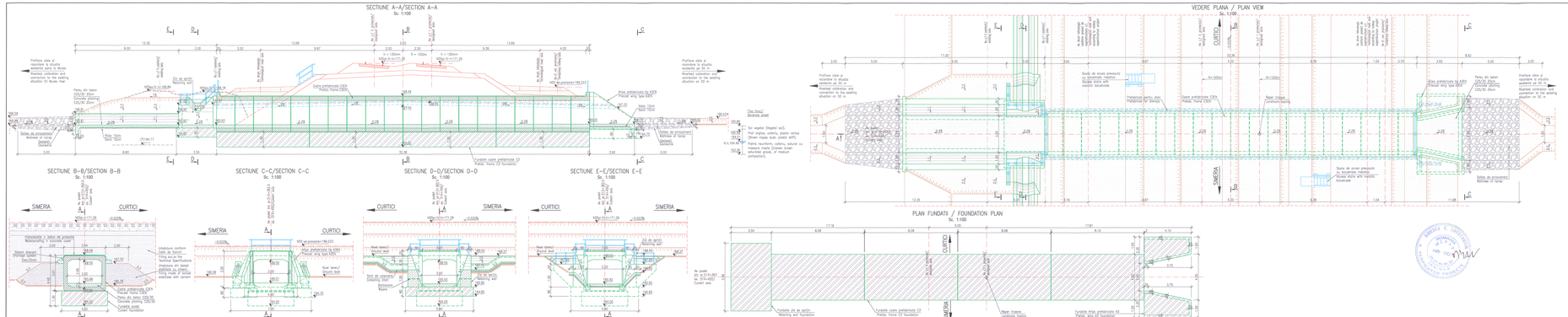

LEGENDA BETOANELOR/CONCRETE LEGEND conform NE 012-1:2007/SR EN 206-1

BETON C25/30 – Clasa de expunere XC4+XF1+XA1, agregate Dmax 22
ELEMENTE PREFABRICATE/PRESTRESSED ELEMENTS

BETON C25/30 – Clasa de expunere XC2+XF1+XA1, agregate Dmax 22
FUNDATII DIRECTE SI FUNDATII PRECONSTRUITE/DIRECT FOUNDATIONS AND TEMPORARY FOUNDATIONS

BETON C25/30 – Clasa de expunere XC4+XF3, agregate Dmax 22
ELEMENTI DE ZIDURI DE SPRIJIN/ELEVATIONS AND RETAINING WALLS

BETON C25/30 – Clasa de expunere XC4+XF1+XA1, agregate Dmax 16.
SAPA DE PROTECTIE A HIDROIZOLATIEI/WATERPROOFING PROTECTION

BETON C25/30 – Clasa de expunere XC4+XF2+XA1, agregate Dmax 22.
PERELI DE ACCES/PITONAS, ACCESS AND SLOPE

BETON C15/20 – Clasa de expunere XD+XF3, agregate Dmax 16.
DRENI, BETON DE PANTA, DE EGALIZARE/DRAINAGE, SLOPE, LEAN CONCRETE

Elementele prefabricate trebuie sa corespunda cerintelor din SR EN 206-1/2002
The precast elements have to observe the requirements specified in SR EN 206-1/2002
ARMATURI: 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 bituminouse layers.

NOTA:
1. Pentru trasarea turnirilor se vor folosi ca repere in plan axele liniilor c.t. (or ca repere pentru trasarea axelor pe teren).
2. Orice neconcordanta intre elementele existe in vederea si elementele proiectului si situatia de pe teren vo fi anunitata proiectantul pentru adaptare la situatia existenta.
NOTE:
1. For the mapping out of the works there will be used as landmarks in plan the axis of the continuous lines (or as landmarks for the axis on the terrain).
2. Any incongruity between the elements taken into account when preparing the design and the situation on the site will be announced to the designed in order to adapt to the existing situation.

Observatii:
-Cota indicata cu (*) se refera la cotia presupusa a fundatiei existente. Daca se executa, dupa demolarea podului existent se va constata si alta cota de fundare se va contacta proiectantul pentru adaptarea la situatia existenta.

Observations:
-The level indicated with (*) refers to the presumed level of the existing foundation. If at execution after dismantling the existing ouvert another foundation level is found, the designer will be contacted in order to adapt to the existing 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 avizatele A4, B2 si G2.

1. Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
2. The project will be verified at A4, B2 and G2 requirements.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS								
ELEMENTE INSTALATII CONDUCTE PREFABRICATE	P	T	D	D	D	D	D	D
JANTE COVERURI PRECAST ELEMENTS	P	T	D	D	D	D	D	D
ELEMENTE PREFABRICATE PENTRU FUNDATII DIRECTE	P	T	D	D	D	D	D	D
BARIERE/PRECAST BAS AND DRAINAGE SYSTEM CULVERTS	P	T	D	D	D	D	D	D
ARMATURI METALICE PODETE	P	T	D	D	D	D	D	D
METALLIC HANDRAIL CULVERTS	P	T	D	D	D	D	D	D
PLANE COPERTI CADRU TIP CORU	P	T	D	D	D	D	D	D
PLANE COPERTI CADRU TIP CORU, 2 X 2 METRI/M	P	T	D	D	D	D	D	D
PLANE COPERTI CADRU TIP CORU, 3 X 3 METRI/M	P	T	D	D	D	D	D	D
SNITERIRI/BALI PLANI/PLANE TYPE CORU,3	P	T	D	D	D	D	D	D
SNITERIRI/BALI PLANI/PLANE TYPE CORU,4	P	T	D	D	D	D	D	D
SNITERIRI/BALI PLANI ARMA AGA/A TYPE	P	T	D	D	D	D	D	D
SCARA DE ACCES SI BARIERA/BARRIER/ACCESS STAIRS	P	T	D	D	D	D	D	D
PLANE PREFABRICATE PENTRU PODURI PROVISORII	P	T	D	D	D	D	D	D
PLANE DE PREFABRICARE PENTRU PODURI PROVISORII SI DETALE DE REZEMARE PODURI PROVISORII	P	T	D	D	D	D	D	D
PREFABRICATED PLANS FOR TEMPORARY BRIDGES AND PROPPING-UP DETAILS FOR TEMPORARY BRIDGES	P	T	D	D	D	D	D	D

NOTA:
1. Prezentul plan a-a intocmit in baza urmatoarelor date:
- ridicare topografica
- studiu hidraulic, studiu geotehnic;
- calculele de rezistenta.
2. La executia se vor respecta cu strictete prevederile din "Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat"indicativ NE 012/AC 013-2002, din "Normativul pentru verificarea calitatii si recepcia lucrarilor de constructii aferente" indicativ CE6-85 si a Catalogul de Sancini.
3. Pentru constructia podetului se vor executa urmatoarele lucrari:
- Realizarea unui pod rezu tip CZCN;
- Prelungirea cu o travea a podetului cu aripi prefabricate tip AZCN in amonte si cu aripi de sprijin in aval;
- Pozgaiet din beton metalizat pe timpere si pe zidurile de sprijin;
- Protectia stilpi in zona podului cu pinze din beton si solea de ancorramente.
- Profilarea stilpilor in amonte si in aval;
- Impermeabilizarea suprafetelor din beton vizibile.
- Drum de scose.

NOTE:
1. The plan has been drawn up on the basis of the following data:
- topographic survey;
- the hydraulic study, the geotechnical study;
- culvert sheet;
2. There will be strictly respected the provisions from "Practice code for plain concrete, reinforced concrete and prestressed concrete works execution" ind. NE012, "Practice code for plain concrete, reinforced concrete and prestressed concrete prefabricated elements execution" ind. NE013-2002, from "Normative for quality checking and works reception for ancillary construction" ind. CS6-85 and Technical Specifications of this reception.
3. In view of executing the culvert, the next works will be executed:
- Executing a new culvert type CZCN;
- Connection of the new culvert to the embankments with precast wings type AZCN in upstream and a wing in downstream;
- Pozgaiet made out of metallic pipe on the timpere and on retaining walls;
- Riverbed protection in the area of the culvert, by help of a concrete pitching;
- Riverbed calibration downstream and upstream;
- Coating all visible concrete surfaces.
- Access stairs.

CONVO DE CALCUL UM71
CALCULATION CONVOY UM71

MINISTERUL TRANSPORTURILOR
ROMANIA
Nr.61739
Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version

Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Data Date	Nr. raport / Report / Expertiza

European Investment Bank

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: IMOTOP

Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	A.M. Baicu	01.2013
Proiectat Designed	Inginer Engineer	A. Preda	01.2013

Project Id 35311.1

Faza / Phase: PTH+CS / TD+TS

Denumire desen / Drawing name:

DISPOZITIE GENERALA PODET km 513+362.5(pr.) 514+450(ex.)/ GENETAL LAYOUT CULVERT km 513+362.5(pr.) 514+450(ex.)

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.02.02.18.PD.02.03	03