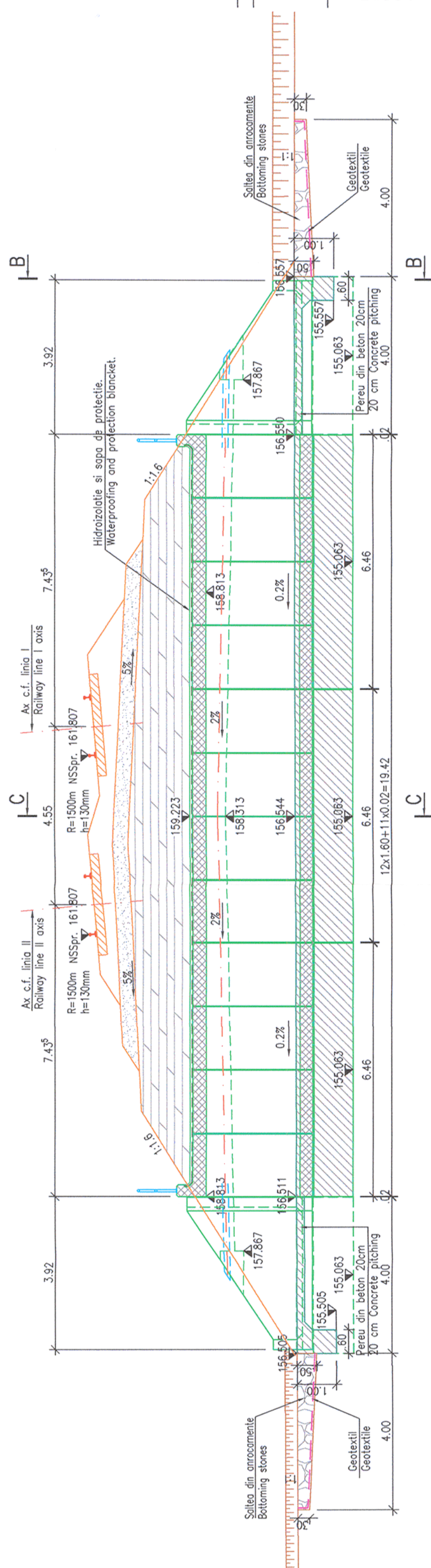
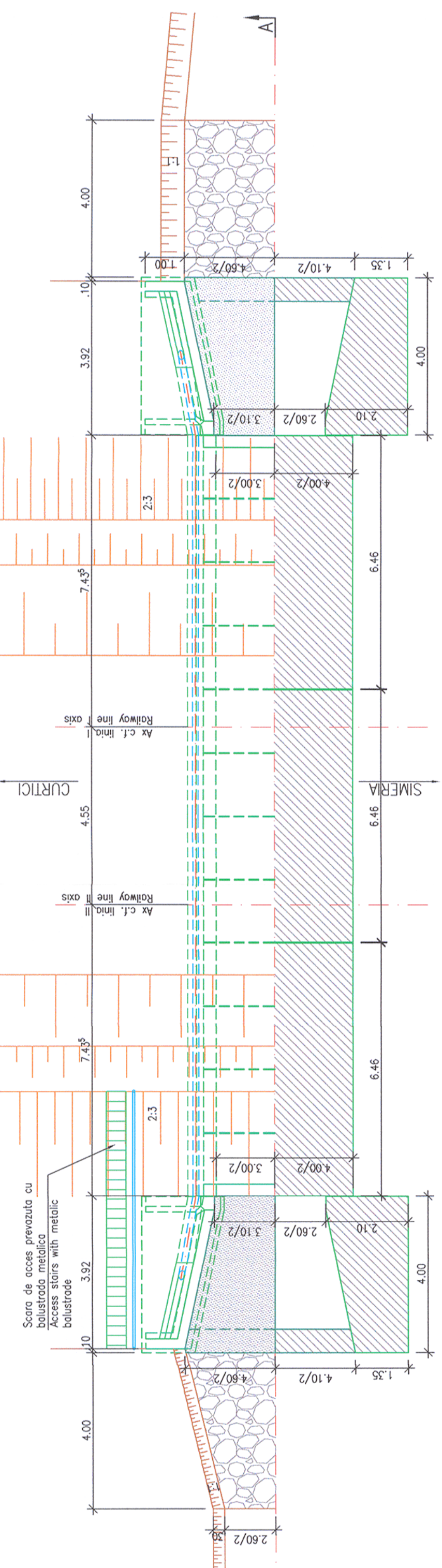


SECTIUNE LONGITUDINALA A-A / A-A LONGITUDINAL SECTION



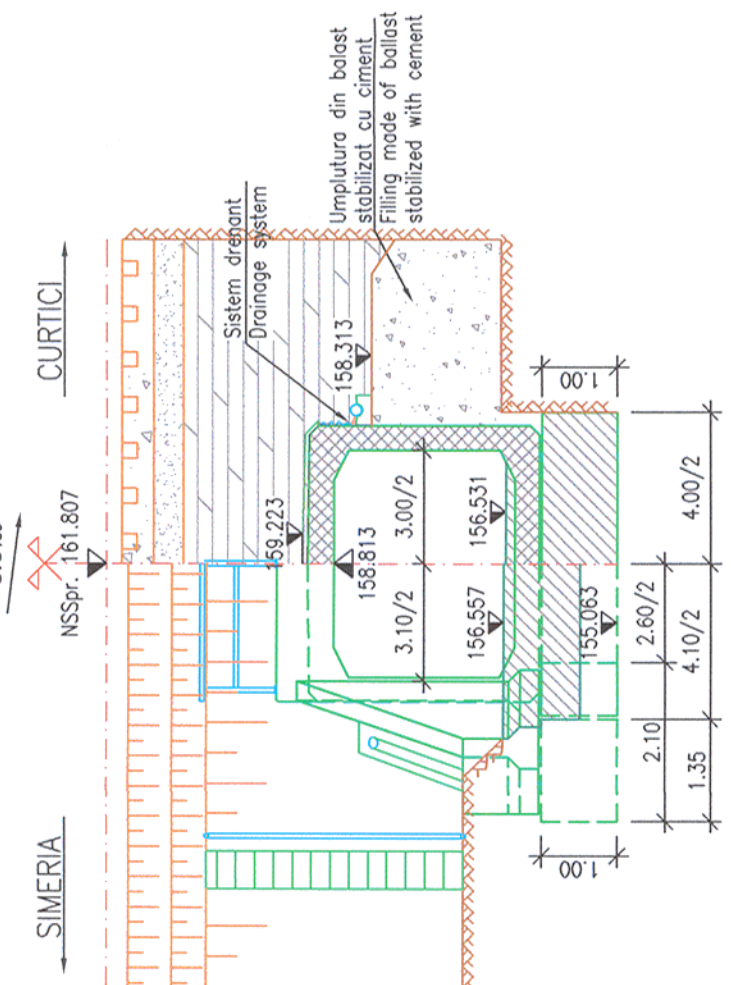
VEDERE PLANA / PLAN VIEW



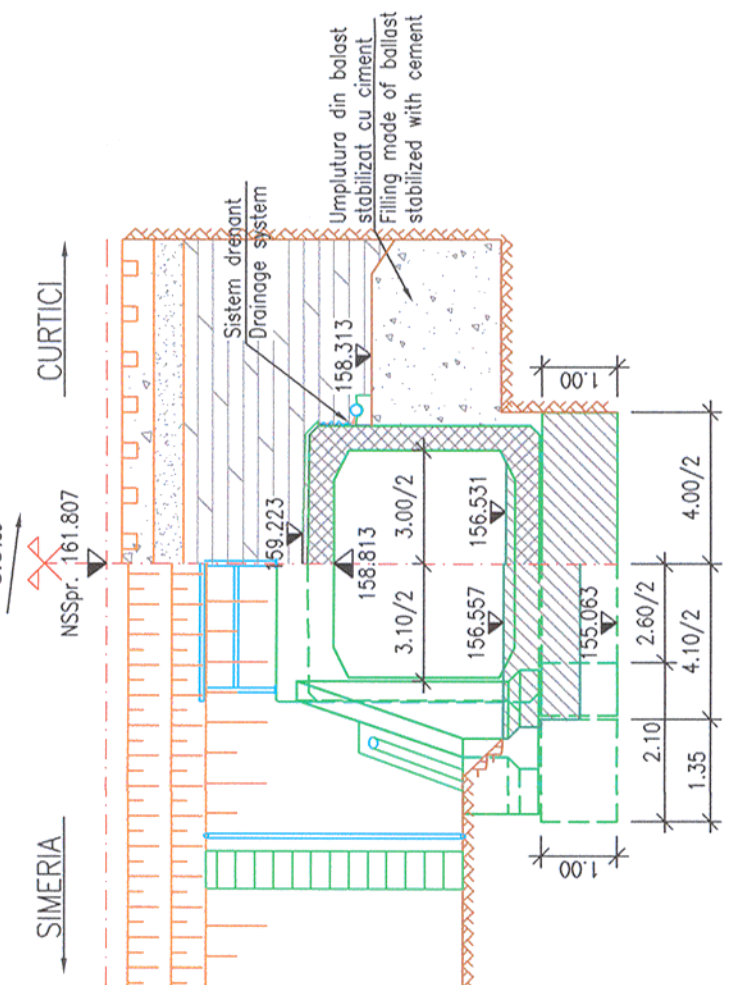
PLAN FUNDATII / FOUNDATION PLAN

CONVOI DE CALCUL LM71
LOAD MODEL LM71

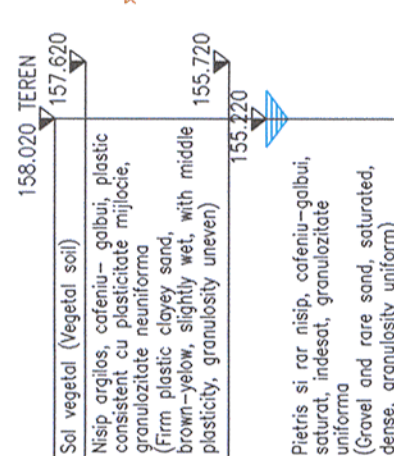
SECTIUNE B-B
B-B SECTION



SECTIUNE C-C
C-C SECTION



FORAJ KM 528+700



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

- BETON C35/45 - Clasa de expunere XC4+XD1+XF3, agregate D_{max} 22
ELEMENTE PREFABRICATE/PREFABRICATED ELEMENTS
- 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, agregate D_{max} 22.
PEREU SI FUNDATII DIRECTE/PITCHING AND DIRECT FOUNDATIONS
- BETON C16/20 - Clasa de expunere X0+XF3, agregate D_{max} 16.
DREN, BETON DE PANTA, DE EGALIZARE SI SCARI DE ACCES
DRAINAGE, SLOPE, LEAN CONCRETE AND ACCESS STAIRS

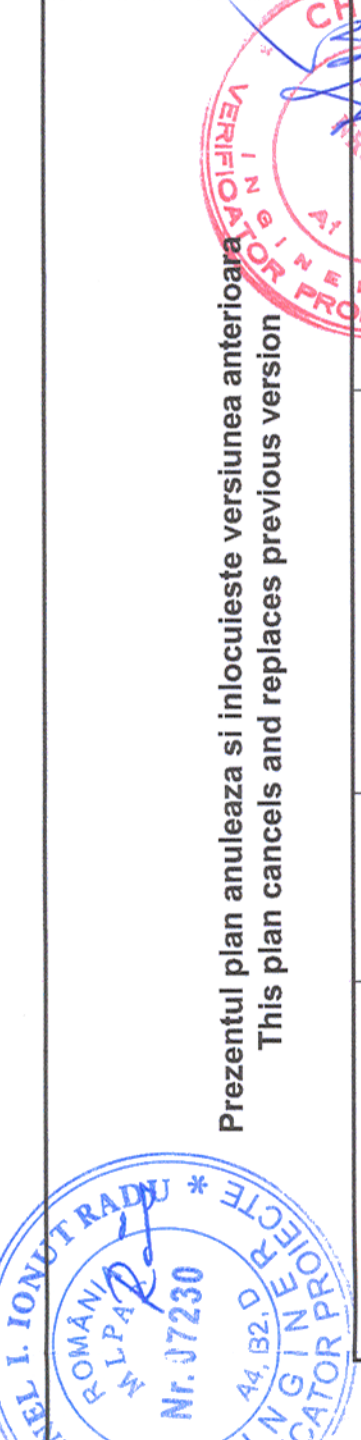
OBSERVATIE: Pe toate suprafețele din beton în contact cu pământul se vor aplica 2 straturi de emulsie din bitum filerizat.
ATTENTION: All concrete surfaces in contact with soil will be coated with 2 bituminous layers.

- NOTA:
- Prezentul plan s-a întocmit în baza următoarelor date:
 - studiu topografic;
 - studiu geotehnic;
 - studiu hidrolic;
 - pe traseul de cale ferată proiectat la km 529+910, se vor executa:
 - podet tip cadru C3EN, care se racordează cu terasamentul amonte și aval cu aripi prefabricate tip A3EN
 - parapet metallic de protecție montat pe podet.
 - pereu din beton în podet precum și între arpi; asigurându-se astfel o pantă de scurgere de 0.2%.
 - suprafețele de beton vizibile se vor impermeabiliza.
 - scări de acces cu balustrade metalice pe terasament.
 - 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;
 - Codul de practica pentru executarea elementelor prefabricate din beton, beton armat si beton precomprimat, indicativ NE 013;
 - Normativul pentru verificarea calitatii si receptia lucrarilor de constructii aferente, indicativ C56-85 (C56-2002)
 - Calețul de sarcini.
 - Conform H.G. 766/1997 lucrarea se încadrează în categoria "B" a construcțiilor de importanță deosebită.
 - Proiectul va fi verificat de verificatori atestați MLPAT la exigențele A.4, B.2 și D.2.

- NOTE:
- This plan was prepared based on the next data:
 - topo survey;
 - geo-technical study;
 - hydraulic study;
 - On the designed railway route at km 529+910, there will be executed:
 - box culvert type C3EN which will be connected upstream and downstream with precast wings type A3EN.
 - metallic handrail mounted on the culvert.
 - in the culvert as well as between the wings, a concrete pitching will be executed thus ensuring a discharge slope of 0.2%.
 - the visible concrete areas will be waterproofed.
 - access steps with metallic handrails are provided on the embankment.
 - During execution there will be strictly observed the provisions of:
 - Practice code concerning the execution of concrete, r.c. and pre-stressed concrete works, indicative NE 012
 - Practice code concerning execution of concrete, r.c. and pre-stressed concrete elements, indicative NE 013;
 - Normative concerning the quality check and taking-over of different construction work, indicative C56-85 (C56-2002)
 - Technical Specifications.
 - Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
 - The project will be verified at A.4, B.2 and D.2 requirements.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS	
ACOPERIRE ROSTURIELEMENTE PREFABRICATE JOINTS COVERING PRECAST ELEMENTS	PT 0 2 0 2 0 0 P 0 0 1
HIDROIZOLATIE SI SISTEM DE DRENARE PODETE WATERPROOFING AND DRAINAGE SYSTEM/CULVERTS	PT 0 2 0 2 0 0 P 0 0 2
PARAPET METALIC PODETE METALLIC HANDRAIL CULVERTS	PT 0 2 0 2 0 0 P 0 0 3
PLAN COFRAJ/CADRU TIP C3EN_m SHUTTERING PLAN FRAME TYPE C3EN_m	PT 0 2 0 2 0 0 P 0 0 1
PLAN COFRAJ/CADRU TIP C3EN_c SHUTTERING PLAN FRAME TYPE C3EN_c	PT 0 2 0 2 0 0 P 0 0 2
PLAN COFRAJ/ARIPA TIP A3EN SHUTTERING PLAN WING A3EN TYPE	PT 0 2 0 2 0 0 P 0 0 5

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



Verificator / Expert
Checker / Expert

Ceinta
Requirement

Semnatura
Signature

Referat / Expertiza
Report / Expertise

MINISTERUL
TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :
CFR

COMPANIA NATIONALA DE CAI FERATE "CFR" SA

PROIECTANT / DESIGNER:

Sef de echipa
Team leader

Expert Cheie
Key Expert

Subcontractant / Subcontractor

Adiunct Sef de echipa
Deputy Team leader

Inginer
Engineer

Aprobat
Approved

Verificat
Checked

01.2013

01.2013

C. Teodorescu

R. Tudorascu

01.2013

01.2013

A.M. Baicu

T. Mihaili

Project 91
35311.1

Faza / Phase:
PTH+CS / TD+TS

Denumire desen / Drawing name:
DISPOZITIE GENERALA / GENERAL LAYOUT
PODETE / CULVERT KM pr. 529+910

Scara / Scale
1:100

Revizia / Revision
1 / 04.2013

Cod desen / Drawing Code
PT.02.02.17.PO.22.03

Nr / No
03