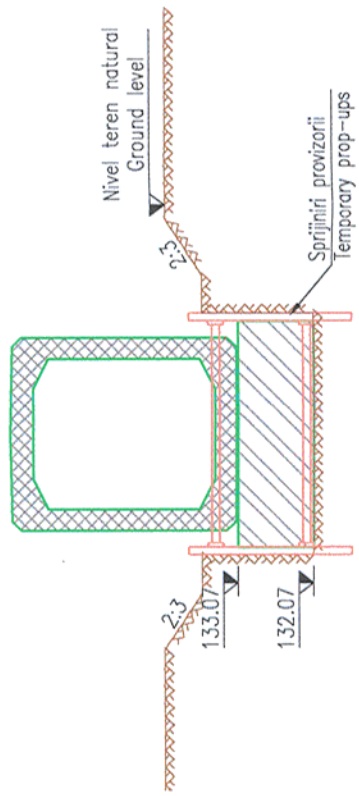
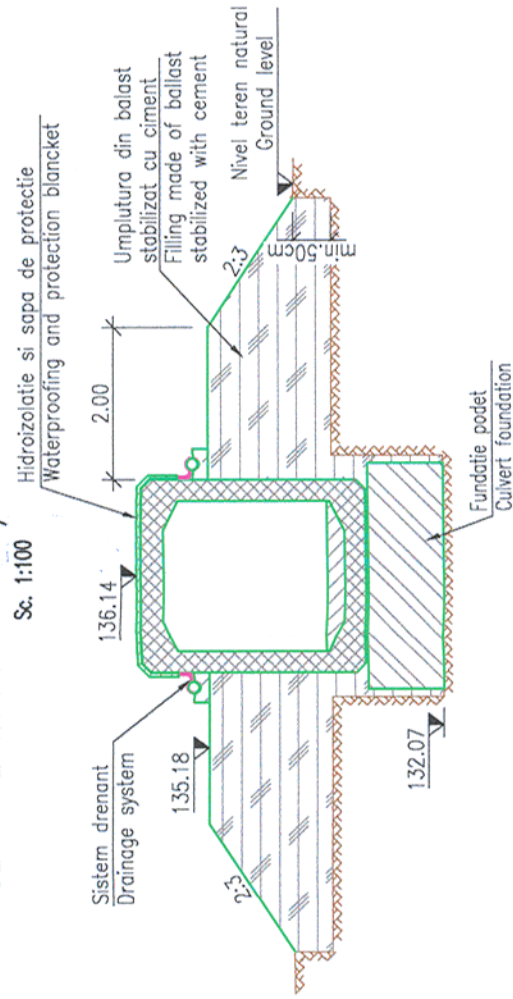


SECTIUNE TRANSVERSALA / CROSS SECTION
Sc. 1:100



SECTIUNE TRANSVERSALA / CROSS SECTION
Sc. 1:100



TEHNOLOGIA DE POZARE A ELEMENTELOR PREFABRICATE:
1. Pe betonul de fundatie intarit se astern 3cm de mortar de ciment (2cm pentru nivelare si 1cm pentru pozare).
2. Prefabricatele se aseaza in amplasament, dupa care se ridica si se observa urma lasata pe stratul de mortar proaspăt. In cazul in care nu s-a realizat aseazarea pe toata suprafata, se completeaza cu mortar de ciment de poza. Operatia se repeta pana cand se obtine rezemarea pe toata suprafata.

PREFABRICATED ELEMENTS LAYING TECHNOLOGY:
1. 3cm of cement mortar are placed on the hardened concrete foundation (2cm for levelling and 1cm for laying).
2. The prefabricated elements are placed on site, after than there are rising and the track leaved on the fresh mortar layer is observed. If the laying is not done on the whole surface, cement mortar is cast on. The operation is repeated till the whole supporting surface is obtained.

- ETAPA I:
- Se amenajeaza drumul de acces, platforma tehnologica si organizarea de santier podetului nou.
 - Se traseaza si picheteaza axele liniilor pentru traseul nou proiectat si infrastructurilor podetului nou.
 - Se executa sapatura cu sprijiniri pentru realizarea fundatiilor noi (podet si aripi).
 - Se executa sapatura cu sprijiniri pentru realizarea fundatiilor noi (podet si aripi).
 - Se aseaza elementele prefabricate tip CZEN si tip AZEN pe fundatiile monolite si se trateaza rosturile dintre elementele prefabricate conform detaliilor din proiect.
 - Pe suprafetele din beton in contact cu pământul se vor aplica 2 straturi de emulsie din bitum fierizat.

- STAGE I:
- Arranging the access road, technological platform and site organization.
 - Marking-out and pegging-out the axes of the lines for the new designed route and the new culvert infrastructures.
 - Making the excavation with propping for executing the new foundations (culvert and wings).
 - Concreting the foundations of the culvert and of the wings and removing the propping.
 - Placed the precast elements type CZEN and type AZEN on the cast-in-place foundations and treating the joints between the precast elements according to the details in the design.
 - Applying 2 layers of filler bitumen emulsion on the concrete surfaces coming in contact with earth.

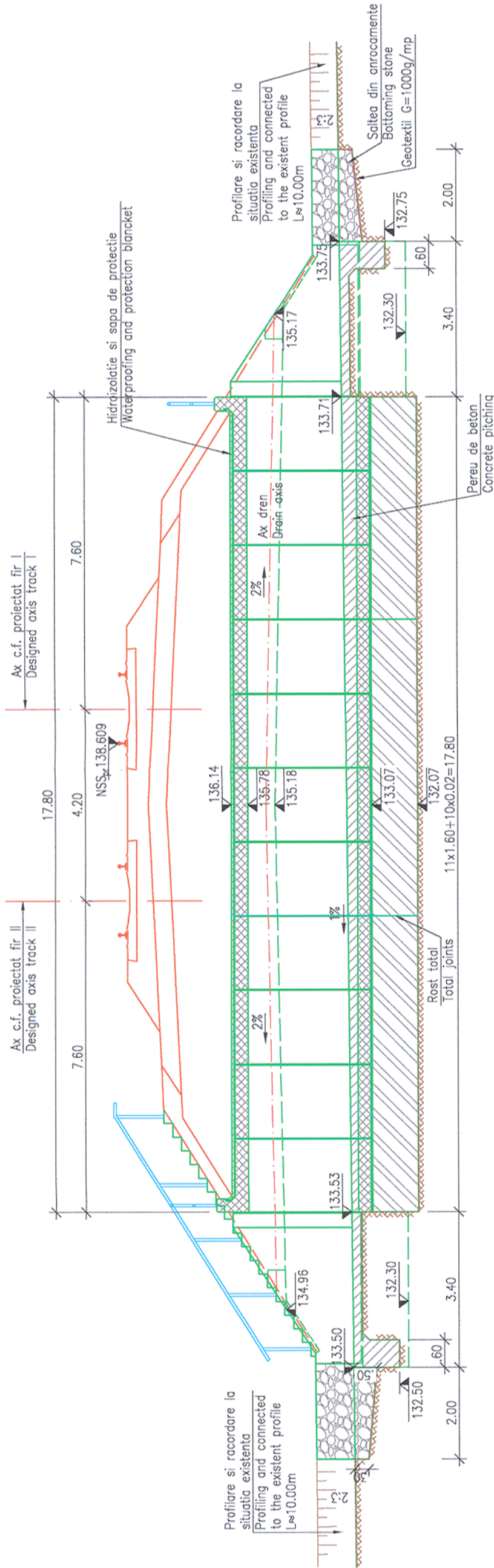
- ETAPA II:
- Se executa sapatura de minim 50cm sub nivelul terenului natural.
 - Se executa umplutura din balast stabilizat cu ciment la cota.
 - Se executa fundatia drenului conform detaliilor din proiect.
 - Se executa sistemul drenant (geodren, geotextil si tub).
 - Se executa hidroizolatia si sapa de protectie a hidroizolatiei.
 - Se executa perelul in podet si intre aripi.
 - Se executa salteaua din anracamente la capatul din amonte si oval a podetului.
 - Se amenajeaza albia podetului in amonte si oval, conform proiectului.

- STAGE II:
- Making the excavation of min 50cm under the level of the natural ground.
 - Executing the filling made of ballast stabilized with cement at the dimension.
 - Executing the foundation of the drain according to the details in the design.
 - Executing the draining system (geo-drain, geo-textile and tube).
 - Executing the waterproofing and the protection blanket of the waterproofing.
 - Executing the pitching in the culvert and between the wings.
 - Executing the mattress of riprap at the upstream and downstream end of the culvert.
 - Arranging the riverbed of the upstream and downstream culvert, according to the design.

- ETAPA III – DUPA EXECUTAREA TERASAMENTULUI:
- Se executa scările de acces pe terasament.
 - Se monteaza parapetul de protectie metalic.
 - Se desfiintea organizarea de santier si platforma de lucru.

- STAGE III – AFTER THE EXECUTION OF THE EMBANKMENT:
- Executing the stairs for access to embankment.
 - Mounting the metallic guard rails.
 - Removing the site organization and the work platform.

SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
Sc. 1:100



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

VERIFICATOR
INGINER
Nr. 8230
ROMANIA
M.P.A.T.
I. IONUT-RADU

ROMANIA
M.P.A.T.
INGINER
Nr. 8230
VERIFICATOR
PROIECT
44, B2, D

ROMANIA
M.P.A.T.
INGINER
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VERIFICATOR
PROIECT
44, B2, D

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Verificator / Expert
Checker / Expert

Cerinta
Requirement

Semnatura
Signature

Referat / Expertiza
Report / Expertise

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NATIONALA DE CAI FERATE "CFR" SA

PROIECTANT / DESIGNER:

PÖYRY

Se de echipa
Team leader

Expert Cheie
Key Expert

C. Teodorescu

R. Tudorascu

VIOTOP

Aprobat
Approved

Verificat
Checked

01.2013

01.2013

Semnatura
Signature

Subcontractant / Subcontractor

Aprobat
Approved

Proiectat
Designed

A.M. Baicu

A. Negrei

01.2013

01.2013

Project 9i
35311.1

Faza / Phase:
PTH+CS / TD+TS

Denumire desen / Drawing name:

TEHNOLOGIE DE EXECUTIE / EXECUTION TECHNOLOGY
PODET / CULVERT KM pr. 576+523 (KM ex. 579+830)

Scara / Scale
1:100

Revizia / Revision
1 / 04.2013

Cod desen / Drawing Code
PT.02.02.09.PO.08.04

Nr / No
04

