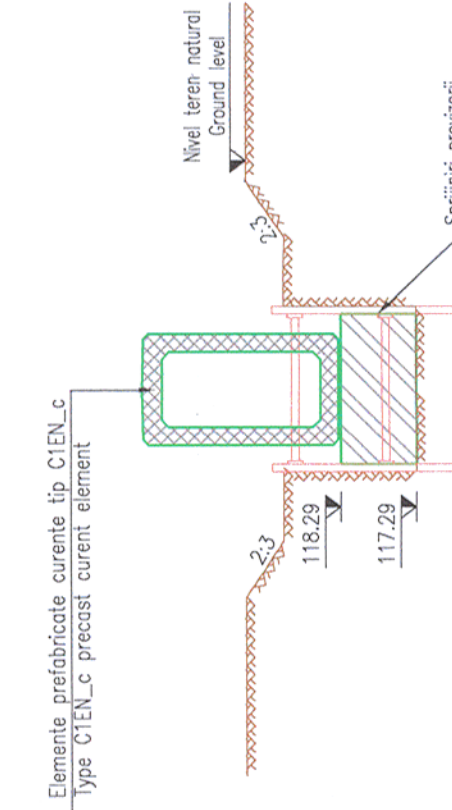


SECTIUNE TRANSVERSALA / CROSS SECTION

Sc. 1:100

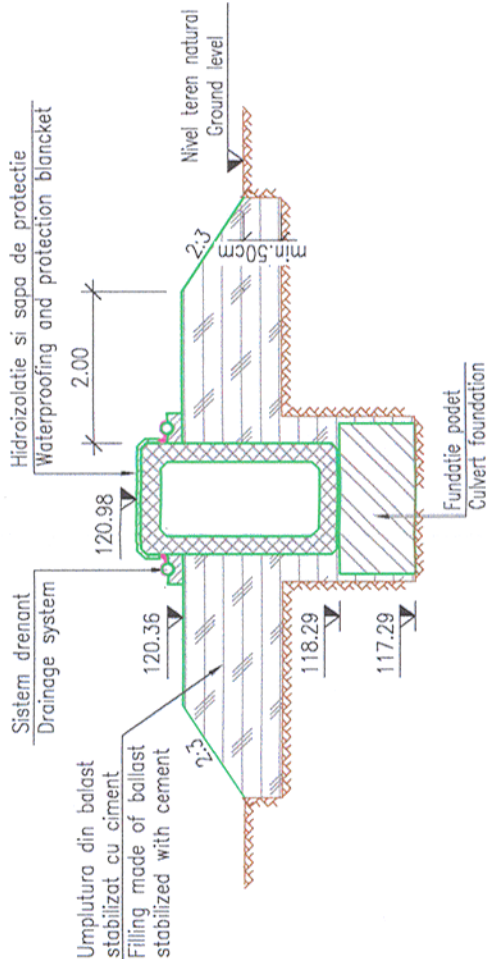


- ETAPA I:
1. Se amenajeaza drumul de acces, platforma tehnologica si organizarea de santier
 2. Se traseaza si picheteaza axele liniilor pentru traseul nou proiectat si infrastructurilor podetului nou.
 3. Se executa sapatura cu sprijiniri pentru realizarea fundatiilor noi (podet si aripi).
 4. Se betonaza fundatiile podetului si aripilor si se scot sprijinirile.
 5. Se aseaza elementele prefabricate tip C1EN si tip A1EN pe fundatiile monolite si se trateaza rosturile dintre elementele prefabricate conform detaliilor din proiect.
 6. Pe suprafețele din beton in contact cu pământul se vor aplica 2 straturi de emulsie din bitum filerizat.

- STAGE I:
1. Arranging the access road, technological platform and site organization.
 2. Marking-out and pegging-out the axes of the lines for the new designed route and the new culvert infrastructures.
 3. Making the excavation with propping for executing the new foundations (culvert and wings).
 4. Concreting the foundations of the culvert and of the wings and removing the propping.
 5. Placed the precast elements type C1EN and type A1EN on the cast-in-place foundations and treating the joints between the precast elements according to the details in the design.
 6. Applying 2 layers of filler bitumen emulsion on the concrete surfaces coming in contact with earth.

SECTIUNE TRANSVERSALA / CROSS SECTION

Sc. 1:100



- ETAPA II:
1. Se executa sapatura de minim 50cm sub nivelul terenului natural.
 2. Se executa umplutura din balast stabilizat cu ciment la cota.
 3. Se executa fundatia drenului conform detaliilor din proiect.
 4. Se executa sistemul drenant (geo-dren, geo-textile si tub).
 5. Se executa hidroizolatie si sapa de protectie a hidroizolatiei.
 6. Se executa perul in podet si intre aripi.
 7. Se executa saraiea din ancramente la capatul din amonte si aval a podetului.
 8. Se amenajeaza albia podetului in amonte si aval, conform proiectului.

- STAGE II:
1. Making the excavation of min 50cm under the level of the natural ground.
 2. Executing the filling made of ballast stabilized with cement at the dimension.
 3. Executing the foundation of the drain according to the details in the design.
 4. Executing the draining system (geo-drain, geo-textile and tube).
 5. Executing the waterproofing and the protection blanket of the waterproofing.
 6. Executing the pitching in the culvert and between the wings.
 7. Executing the mattress of riprap at the upstream and downstream end of the culvert.
 8. Arranging the riverbed of the upstream and downstream culvert, according to the design.
 - 9.

TEHNOLOGIA DE POZARE A ELEMENTELOR PREFABRICATE:

1. Pe betonul de fundatie intrari 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 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.

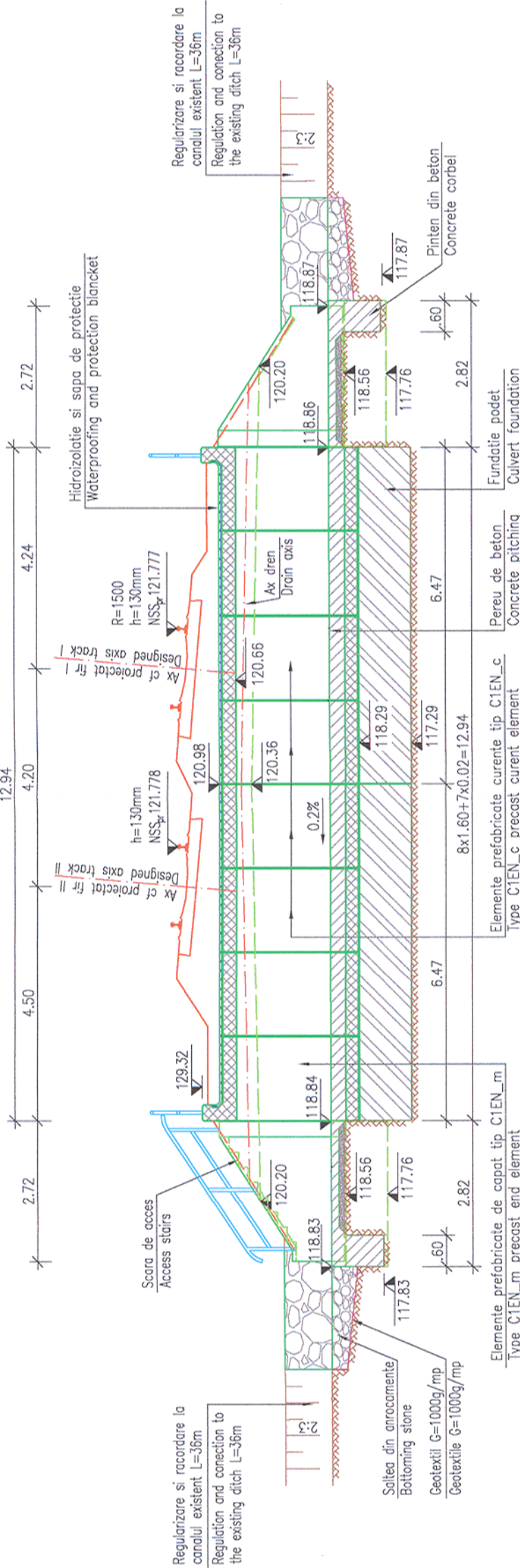
ETAPA III – DUFA EXECUTAREA TERASAMENTULUI:

1. Se executa scarile de acces pe terasament.
 2. Se monteaza parapetul de protectie metalic.
 3. Se desfiinteaza organizarea de santier si platforma de lucru.
- STAGE III – AFTER THE EXECUTION OF THE EMBANKMENT:
1. Executing the stairs for access to embankment.
 2. Mounting the metallic guard rails.
 3. Removing the site organization and the work platform.



SECTIUNE LONGITUDINALA A-A / A-A LONGITUDINAL SECTION

Sc. 1:100



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



Referat / Expertiza
Report / Expertise

Semnatura
Signature

Cerinta
Requirement

MINISTERUL
TRANSPORTURILOR



BENEFICIAR / BENEFICIARY :



COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA



PROIECTANT / DESIGNER:

Semnatura
Signature

Data
Date

Aprobat
Approved

Sef de echipa
Team leader

C. Teodorescu

01.2013

Verificat
Checked

Expert Cheie
Key Expert

R. Tudorascu

01.2013



Subcontractant / Subcontractor

Aprobat
Approved

Adjunct Sef de echipa
Deputy Team leader

A.M. Baicu

01.2013

Proiectat
Designed

Inginer
Engineer

Oct. Lupu

01.2013

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV
Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"

Tronsonul 2-A : km 614 - cap Y Bârzava

Project 9j
35311.1

"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 Bârzava

Faza / Phase:
PTH+CS / TD+TS

Denumire desen / Drawing name:

TEHNOLOGIE DE EXECUTIE / EXECUTION TECHNOLOGY
PODET / CULVERT KM pr. 609+243

Scara / Scale
1:100

Revizia / Revision
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Cod desen / Drawing Code
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04