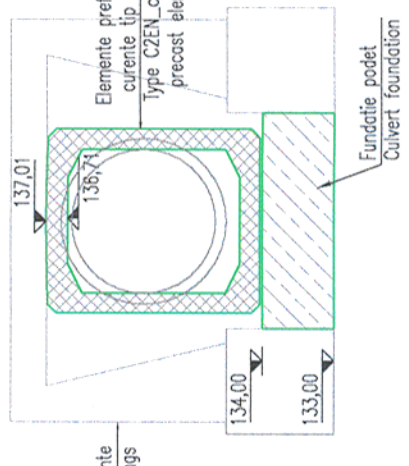
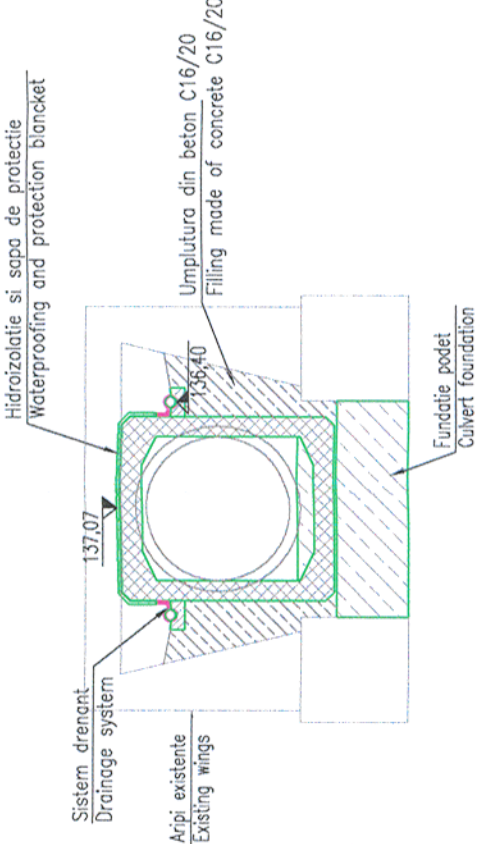


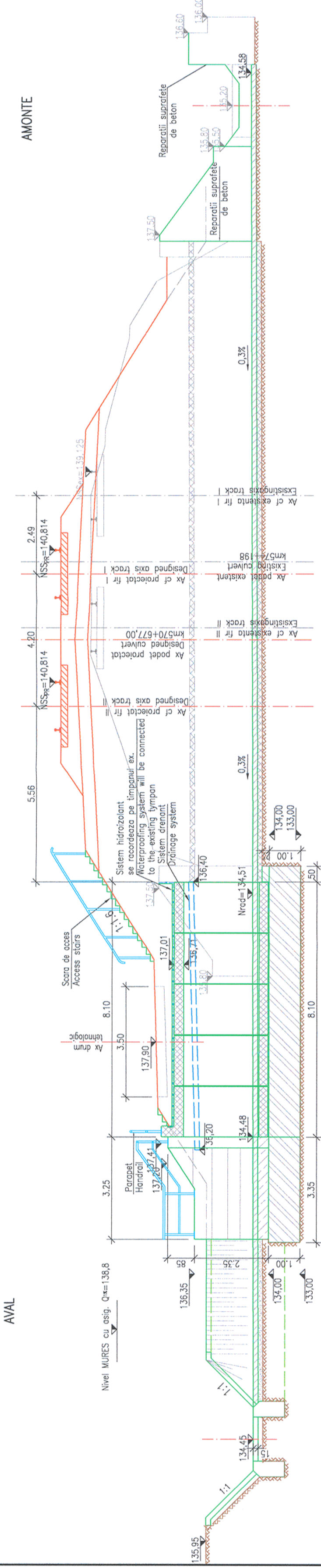
SECTIUNE TRANSVERSALA ETAPA I /
CROSS SECTION STAGE I



SECTIUNE TRANSVERSALA ETAPA II /
CROSS SECTION STAGE II



SECTIUNE LONGITUDINALA / LONGITUDINAL 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 obtine urma lasata pe stratul de mortar proaspăt. In cazul in care nu s-a realizat aseizarea pe toata suprafata, se completeaza cu mortar de ciment de poză. 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
 - Se traseaza si picheteaza axele liniilor pentru traseul nou protecat si infrastructurilor podului nou.
 - Se executa sapatura pentru realizarea fundatiilor noi (podet si aripi).
 - Se betoneaza fundatiile podetului si aripilor.
 - Se aseaza elementele prefabricate tip C2EN pe fundatiile monolite si se trateaza resturile dintre elementele prefabricate conform detaliilor din proiect.
 - Se executa elevatia aripilor.
 - Pe suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum fierzitat.
- 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 excavations for executing the new foundations (culvert and wings).
 - Placed the precast elements type C2EN 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 umplutura din beton sub sistemul drenant.
 - Se executa fundatia drenului conform detaliilor din proiect.
 - Se executa sistemul drenant (geodren, geotextil si tub).
 - Se executa hidroizolatia protejata de sapa hidrofuga la extradosul cadrelor ce se racordeaza la timpul existent.
 - Se executa perul in podet si intre aripi.
 - Se executa reparatiile la aripile si amonte.
 - Suprafetele de beton vizibile se vor impermeabiliza.
- STAGE II:
- Executing the filling made of concrete under draining system.
 - Executing the foundation of the drain according to the details in the design.
 - Executing the drainage system (geo-drain, geo-textile and tube).
 - Executing the waterproofing protected by watertight blanket at the extrados of the frames.
 - Executing the pitching in the culvert and between the wings.
 - Executing repairs to asphalt wings.
 - The visible surfaces of concrete will be waterproofed.

- ETAPA III:
- DUPA EXECUTAREA TERASAMENTULUI:
- Se executa scările de acces pe terasament.
 - Se monteaza parapetul de protectie metalic.
 - Se dezafecteaza platformele, accesele din zona de lucru, organizarea de santier.
- STAGE III:
- AFTER THE EXECUTION OF THE EMBANKMENT:
- Executing the stairs for access to embankment.
 - Mounting the metallic guard rails.
 - Closing-down the platforms, the accesses form the working area, the site organisation.

<p>AGABEL T. IONUTRADU * ROMANIA Nr.07230 INGINER A4, B2, C, D VERIFICATOR PROIECTE</p>		<p>Prezentul plan anuleaza si inlocuieste versiunea anterioara This plan cancels and replaces previous version</p>		<p>Referat / Expertiza Report / Expertise</p>	
<p>Verificator / Expert Checker / Expert</p>		<p>Cerinta Requirement</p>		<p>Semnatura Signature</p>	
<p>European Investment Bank</p>		<p>MINISTERUL TRANSPORTURILOR</p>			
<p>BENEFICIAR / BENEFICIARY :</p> <p>COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA</p>		<p>PROIECTANT / DESIGNER:</p> <p>PÖYRY</p>		<p>Data Date</p>	
<p>Aprobat Approved</p>		<p>Sef de echipa Team leader</p>		<p>01.2013</p>	
<p>Verificat Checked</p>		<p>Expert Cheie Key Expert</p>		<p>01.2013</p>	
<p>Subcontractant / Subcontractor</p> <p>VIOTOP</p>					
<p>Aprobat Approved</p>		<p>Adjunct Sef de echipa Deputy Team leader</p>		<p>01.2013</p>	
<p>Proiectat Designed</p>		<p>Inginer Engineer</p>		<p>01.2013</p>	
<p>"Reabilitarea liniei c.f. Frontiera - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h" Tronsoanel 2-A : km 614 - cap Y Bârzava</p>					
<p>"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</p>					
<p>Denumire desen / Drawing name: TEHNOLOGIE DE EXECUTIE / EXECUTION TECHNOLOGY PODET / CULVERT KM pr. 570+677 (KM ex. 574+198)</p>					
<p>Scara / Scale 1:100</p>		<p>Revizia / Revision 1 / 04.2013</p>		<p>Cod desen / Drawing Code PT.02.02.09.PO.01.04</p>	
<p>Nr / No 04</p>					