

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

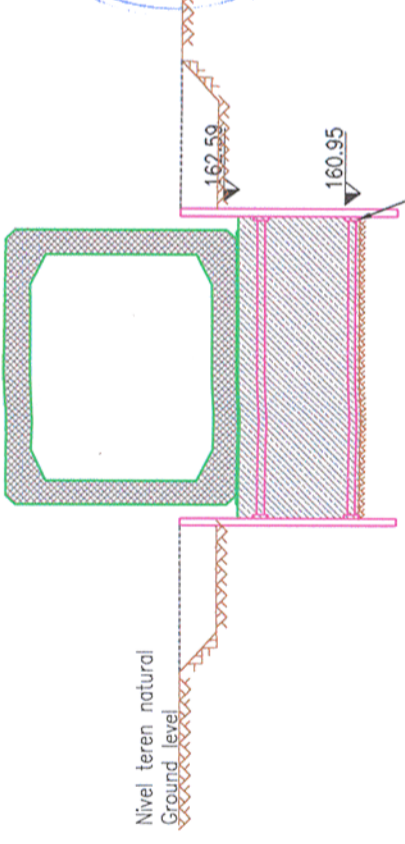
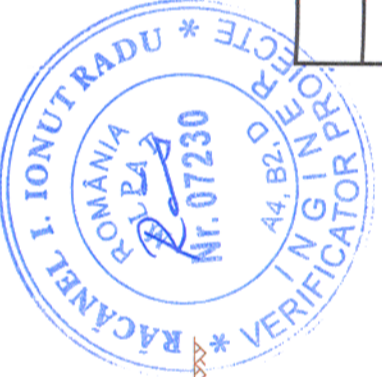


Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise

PROIECTANT / DESIGNER:		Semnatura Signature	
Aprobat Approved	Sef de echipa Team leader	01.2013	
Verificat Checked	Expert Cheie Key Expert	01.2013	
Subcontractant / Subcontractor			
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	01.2013	
Proiectat Designed	Inginer Engineer	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"  
 "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-C : end Y Ilteu - end Y Gurasada

Denumire desen / Drawing name:		Project 9i 35311.1	
Scara / Scale		Faza / Phase: PTH+CS / TD+TS	
1:100	Revizia / Revision	Cod desen / Drawing Code	
	1 / 04.2013	PT.02.02.17.PO.01.04	
		Nr / No 04	

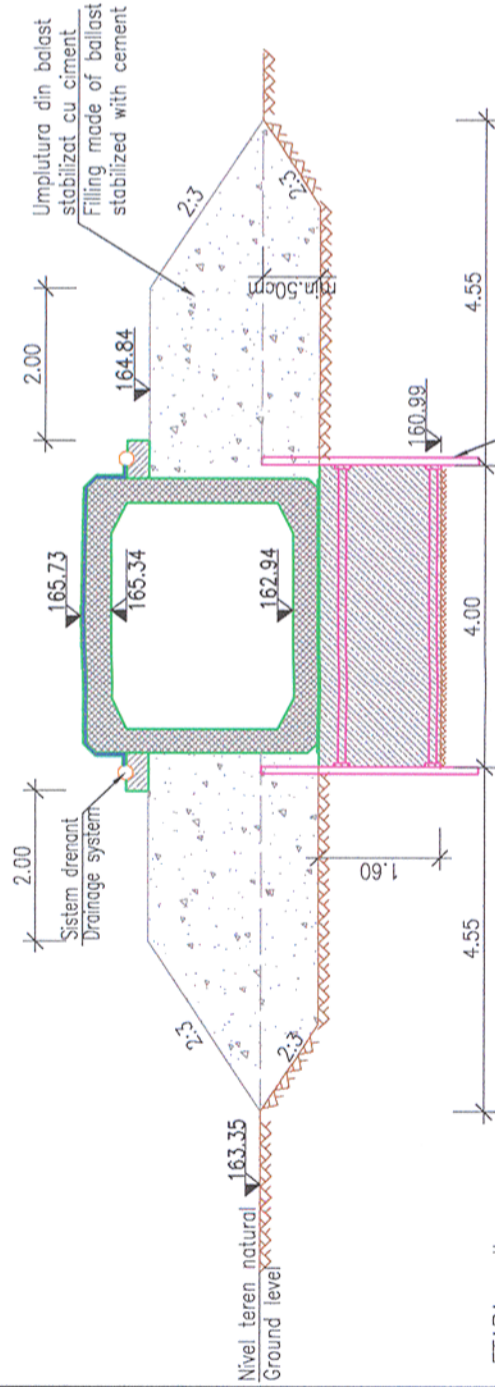


**ETAPA I:**

- Se executa sapatura cu sprijiniri pentru realizarea fundatiilor noi (podet si aripi).
- Se betoneaza fundatiile podetului si aripilor si se scot sprijinirile.
- Se pozeaza elementele prefabricate tip C3EN, si tip A2EN pe fundatiile monolite si se trateaza rosturile dintre elementele prefabricate conform detaliilor din proiect.
- Pe suprafetele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum filerizat.

**STAGE I:**

- 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.
- Laying-down the precast elements type C3EN and type A2EN 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 a-II-a:**

- Se executa sapatura sub nivelul terenului natural.
- Se executa umplutura din balast stabilizat cu ciment la cota.
- Se executa hidroizolatia protejata de sapa hidrofuga la extradosul cadrelor.
- Se executa fundatia drenului conform detaliilor din proiect.
- Se executa sistemul drenant (geodren, geotextil si tub).

**STAGE II:**

- Making the excavation under the level of the natural ground.
- Executing the filling made of ballast stabilized with cement at the dimension.
- Executing the waterproofing protected by watertight blanket at the extrados of the frames.
- Executing the foundation of the drain according to the details in the design.
- Executing the draining system (geo-drain, geo-textile and tube).

**Tehnologia de pozare a prefabricatelor:**

-pe betonul de fundatie intarit se astern 2cm de mortar de ciment pentru nivelare si 1cm pentru pozare;

-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 asezarea pe toata suprafata, se completeaza cu mortar de ciment de poza. Operatia se repeta pana cand se obtine rezemarea pe toata suprafata.

**Tehnologia de pozare a prefabricatelor:**

- 2cm cement mortar for levelling and 1cm for laying are placed on the hardened foundation concrete;
- 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.

**TEHNOLOGIE DE EXECUTIE / EXECUTION PHASES**  
**PODET / CULVERT km 516+741/KM EX. 517+839**

Denumire desen / Drawing name: