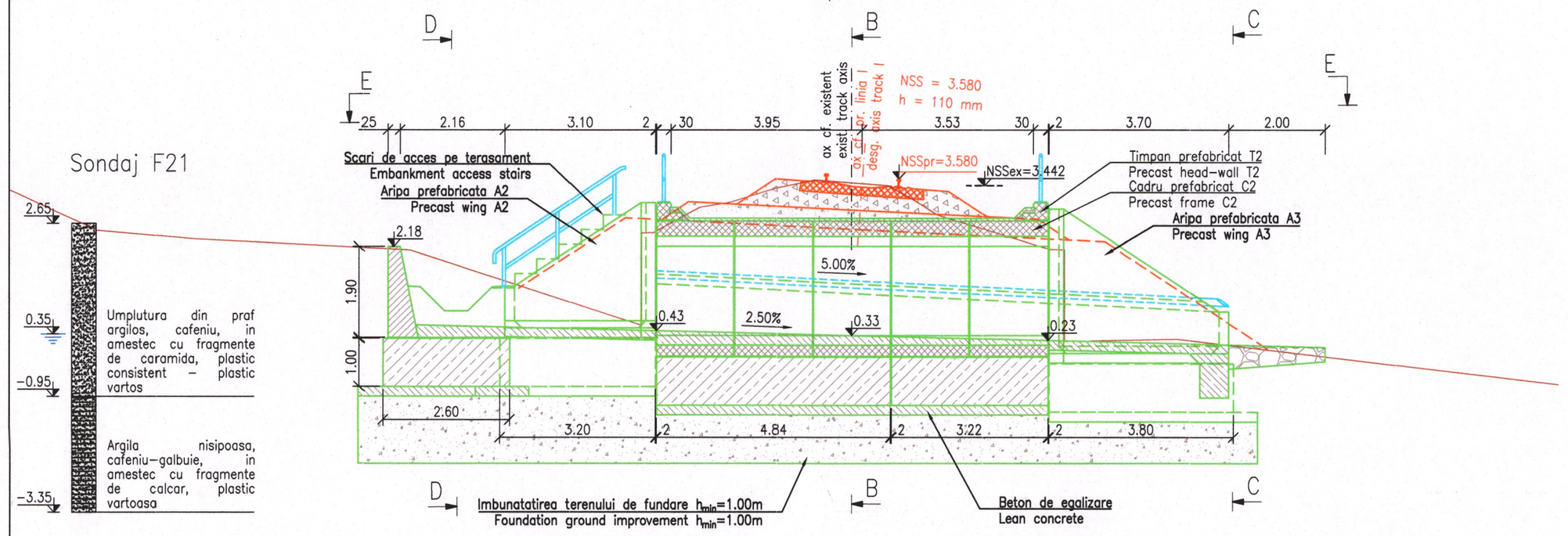
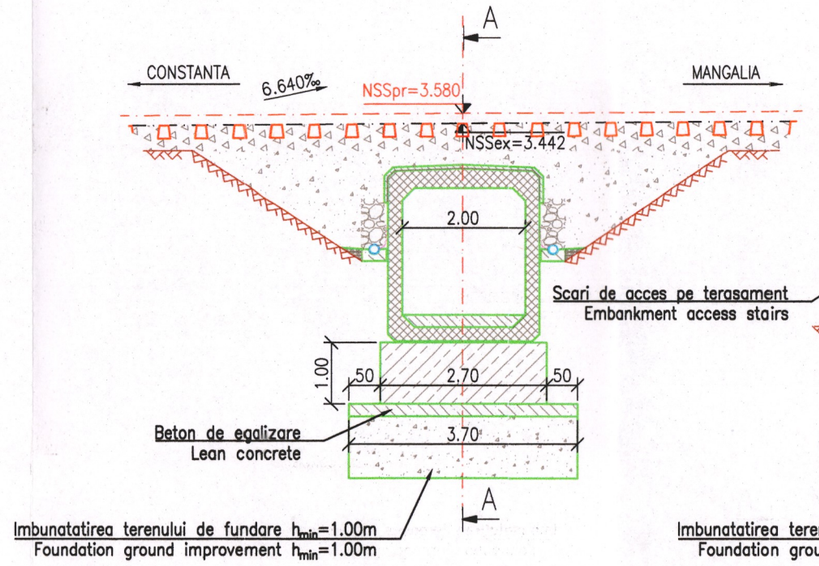
SECTIUNE LONGITUDINALA A–A/A–A LONGITUDINAL SECTION

Scara/Scale 1:100



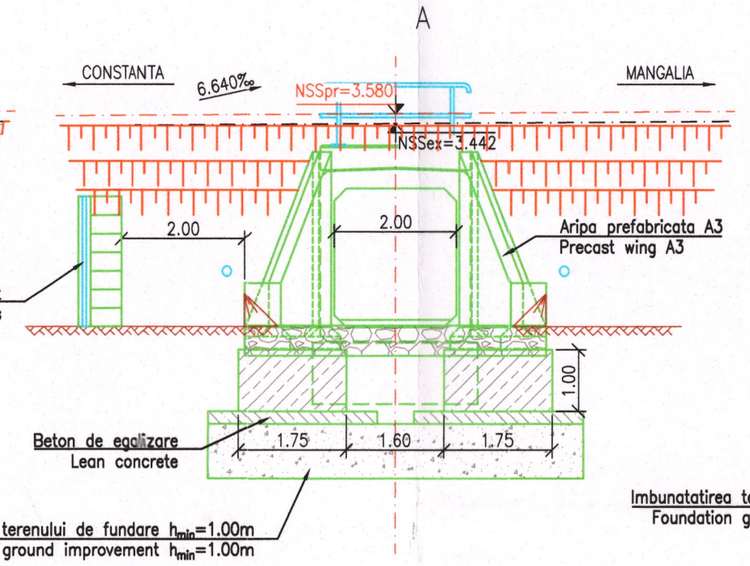
SECTIUNE TRANSVERSALA B–B/B–B CROSS SECTION

Scara/Scale 1:100



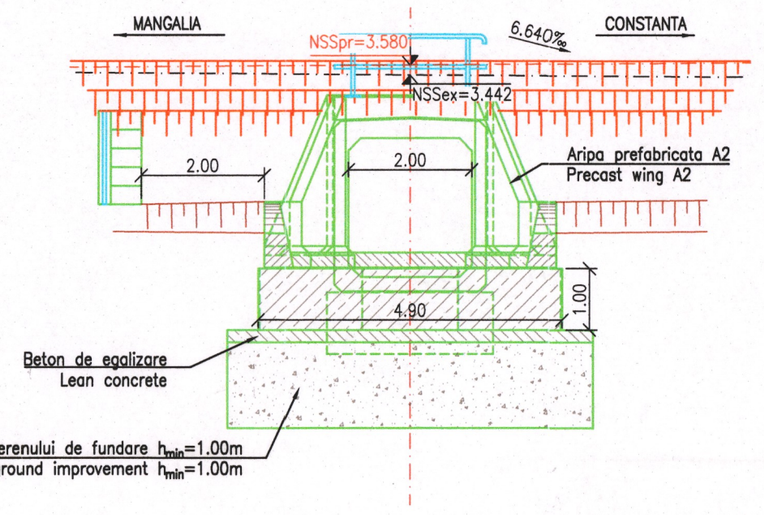
SECTIUNE TRANSVERSALA C–C/C–C CROSS SECTION

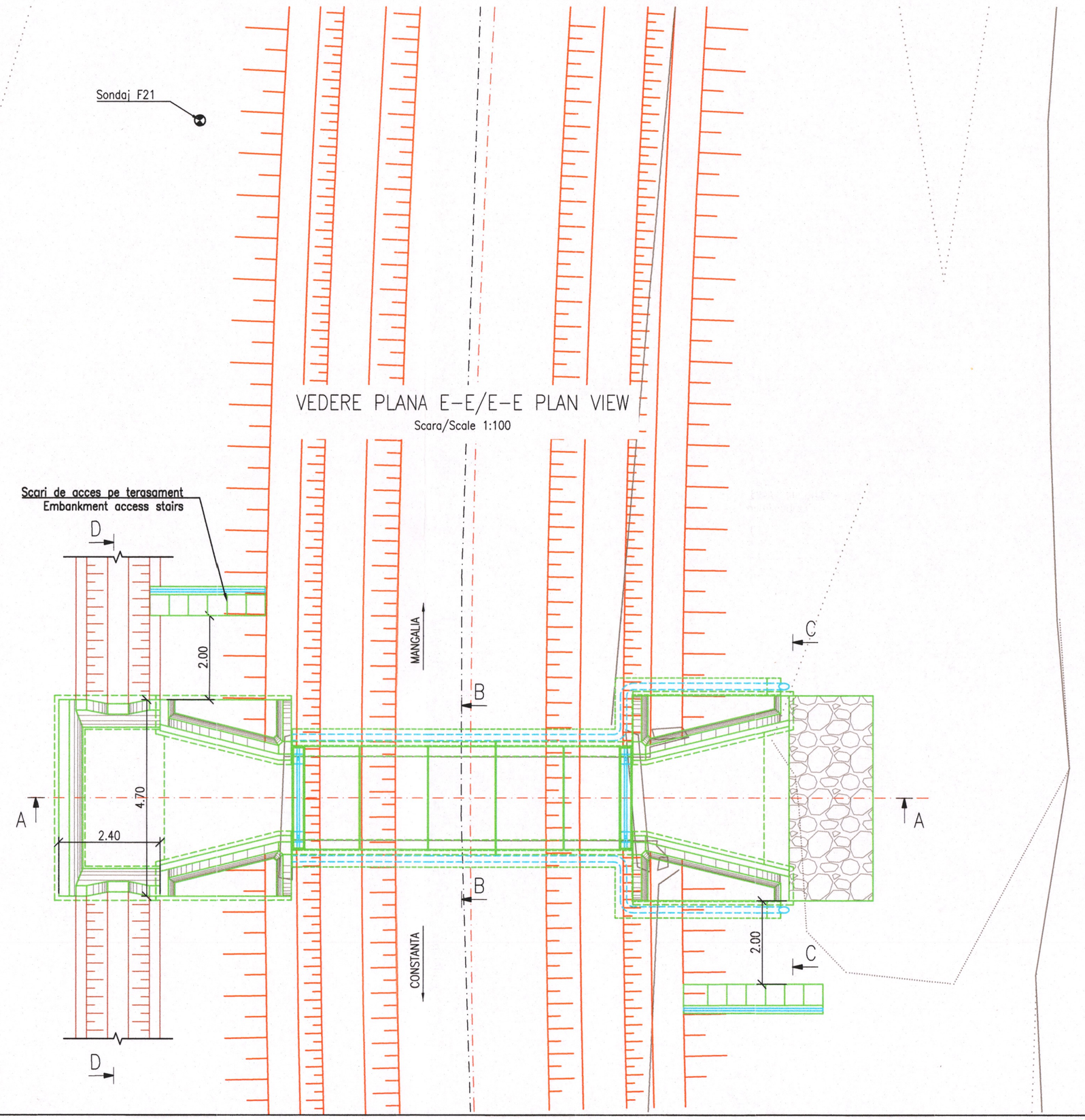
Scara/Scale 1:100



SECTIUNE TRANSVERSALA D–D/D–D CROSS SECTION

Scara/Scale 1:100





VEDERE PLANA E–E/E–E PLAN VIEW

Scara/Scale 1:100

NOTA:

1. Prezentul plan s–a intocmit pe baza urmatoarelor date:
- Studiu topografic;
- Studiu geotehnic;
- Raport de Expertiza Tehnica
- Date culese de pe teren.

2. Pentru realizarea podetului nou se vor executa urmatoarele lucrari:
- Se va demola podetul existent.
- Se vor monta elementele prefabricate tip C2, realizate din beton armat, pe o fundatie comuna, din beton armat, de tip fundatie directa.
- Racordarile cu terasamentul in amonte se vor asigura cu aripi prefabricate din beton armat tip A2, respectiv in aval cu aripi prefabricate din beton armat tip A3.
- Se va realiza pereu din beton armat, atat in podet, cat si in zonele cuprinse intre elementele de racordare ale acestuia cu terasamentul (intre aripi) si se vor executa saltele din piatra bruta in aval la capatul podetului, in continuarea pereului.
- Se vor executa scari de acces pe terasament.
- Se va realiza imbunatatirea terenului de fundare pe toata lungimea podetului cu o grosime de minim 1.00m

3. Lucrarile se vor realiza la adapostul podurilor provizorii tip G.

NOTE:

1. This plan has been drawn up based on the following data:
- Land survey;
- Geotechnical study;
- Technical expert report;
- Field data.

2. For the construction of the new culvert, the following works will be executed:
- The existing culvert will be demolished
- Precast reinforced concrete frames type C2 will be placed on a common direct reinforced concrete foundation;
- The connection with embankment in upstream will be realized with precast reinforced concrete wings A2, in downstream with precast reinforced concrete wings A3;
- Inside the culvert and between the precast wings will be realized a concrete pitching. At the downstream end of the culvert will be realized a riprap mattress in continuation of the concrete pitching;
- There are provided access stairs on embankment;
- Foundation ground will be improved along the entire length of the culvert with a minimum height 1.00m.

3. The works will be carried out under the shelter of temporary bridges type G.

LEGENDA BETOANELOR/CONCRETE LEGEND
conform NE 012–1:2007/SR EN 206:2021

- BETON C30/37 – Clasa de expunere XA1+XC2+XS1+XF3, agregate D_{max} 22. FUNDATII / FOUNDATIONS
- BETON C16/20 – Clasa de expunere X0, agregate D_{max} 16. DREN, BETON DE EGALIZARE, BETON DE PANTA DRAINAGE, LEAN CONCRETE, SLOPE
- BETON C30/37 – Clasa de expunere XC4+XF1, agregate D_{max} 16. SAPA DE PROTECTIE A HIDROIZOLATIEI WATERPROOFING PROTECTION
- BETON C30/37 – Clasa de expunere XC4+XS1+XF3, agregate D_{max} 22. PEREU SI SCARI DE ACCES PITCHING AND ACCESS STAIRS
- BETON C35/45 – Clasa de expunere XC4+XS1+XF3+XA1, agregate D_{max} 22. ELEMENTE PREFABRICATE / PRECAST ELEMENTS
- BETON C35/45 – Clasa de expunere XC4+XS1+XF3, agregate D_{max} 22. ELEVATII / ELEVATION

ENTITATE CONTRACTANTA / BENEFICIARY		COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. / ROMANIAN NATIONAL RAILWAY COMPANY	
CONTRACTANT/CONTRACTOR / ASOCIEREA/JV: BASCONS IMPEX S.R.L. J40/9877/2001; I.S.P.C.F. S.A. J40/248/1992		DENUMIRE INVESTIȚIE/ INVESTMENT NAME	"Studiu de Fezabilitate pentru Electrificarea și Reabilitarea liniei de cale ferată Constanța - Mangalia" / "Feasibility Study for Electrification and Rehabilitation of the Constanta - Mangalia Railway Line"
		SECTIUNE/ SECTION	INTERVAL / SECTION EFORIE SUD - TUZLA
NUME/NAME	SEMNĂTURA/ SIGNATURE	SPECIALITATE/ SPECIALITY	PODURI/PODEȚE / BRIDGE/CULVERT
PROIECTAT/ DESIGNED: ing. Cristina COTEANU		OBIECT/ OBJECT	PODEȚ / CULVERT km pr./dsg. 243+057 (km ex. 243+115)
VERIFICAT/ VERIFIED: dr. ing. Carmen BĂLAN		DENUMIRE PLAN/ NAME PLAN	DISPOZIȚIE GENERALĂ/ GENERAL LAYOUT
AVIZAT/ ADVICED: ing. Marin BAICU		COD PLAN/ PLAN CODE:	SF 6 SF 10 Pd 04 02 R4
DATĂ/DATE: 09.2023	SCARĂ/SCALE: 1:100		