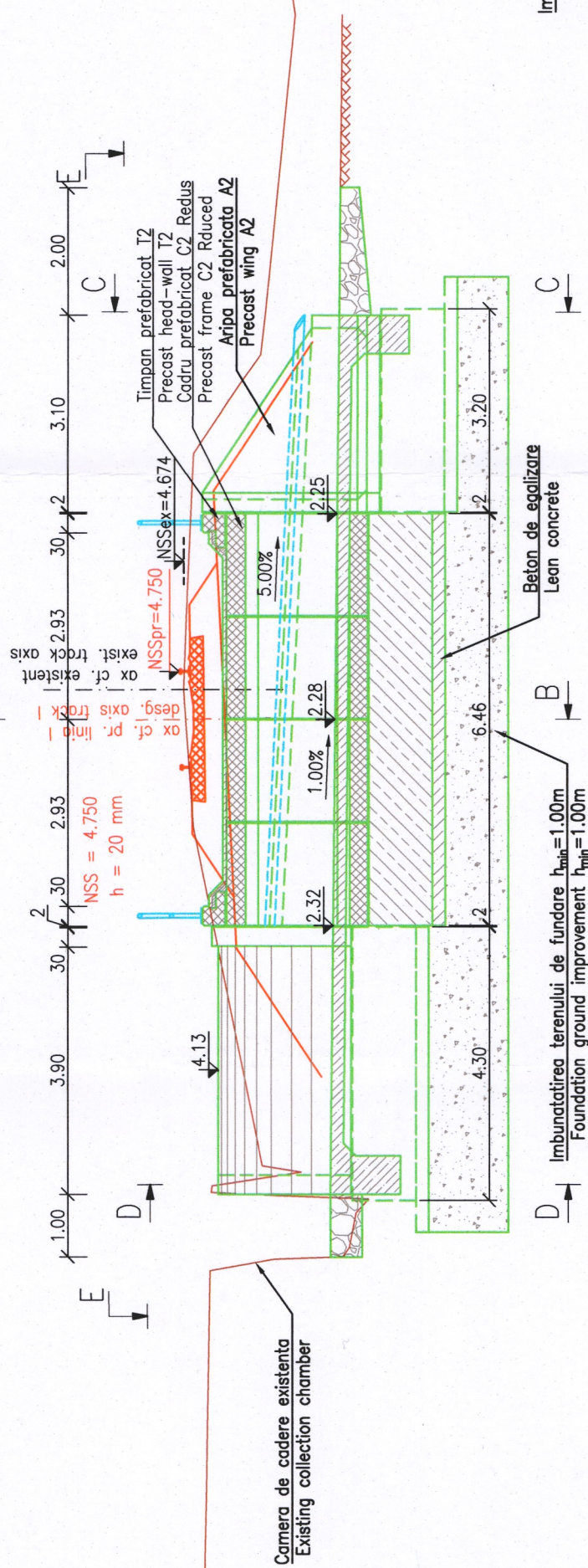


SECTIUNE LONGITUDINALA A-A/A-A LONGITUDINAL SECTION

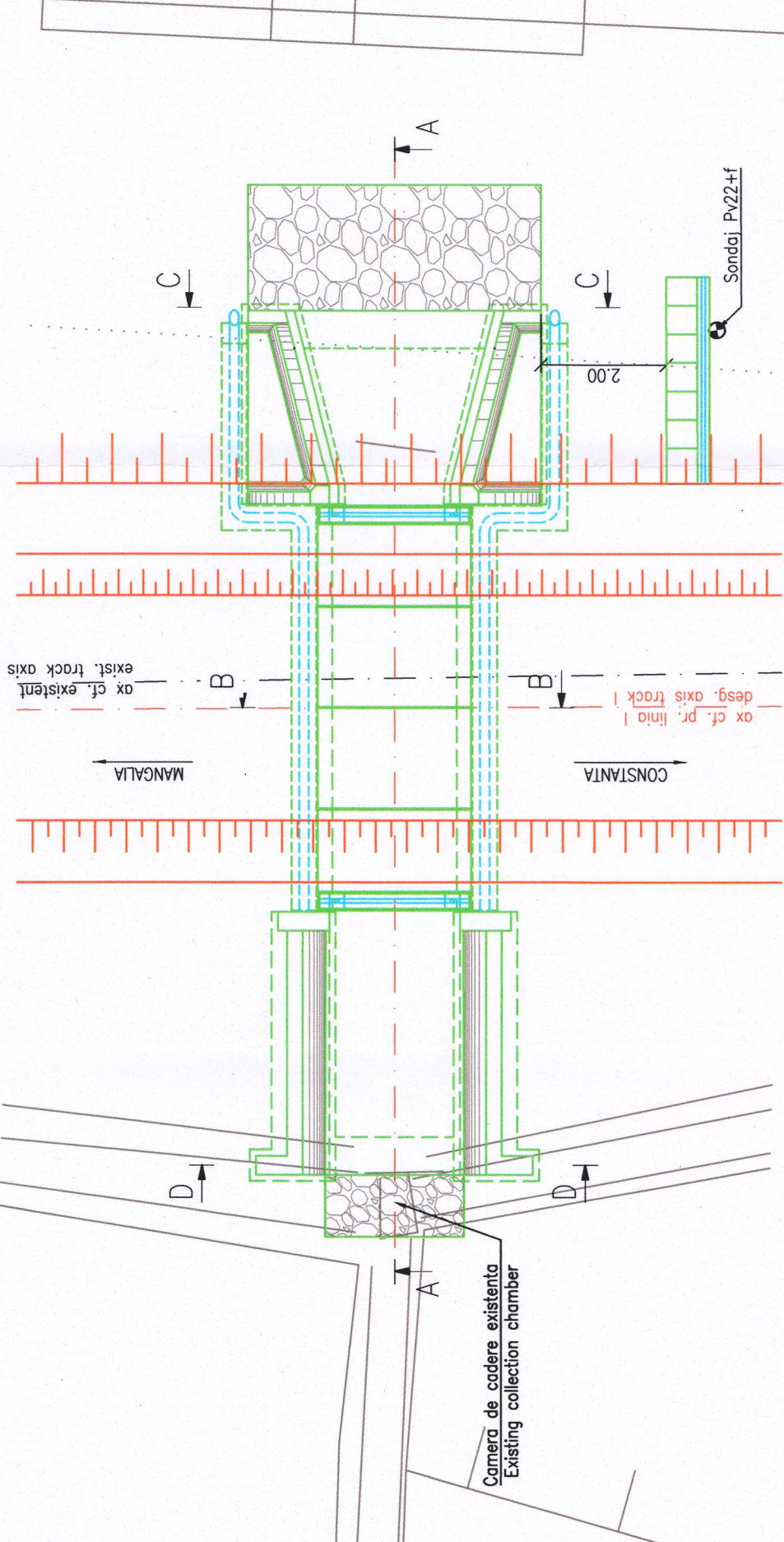
Scara/Scale 1:100



Camera de cadere existenta
Existing collection chamber

VEDERE PLANA E-E/E-E PLAN VIEW

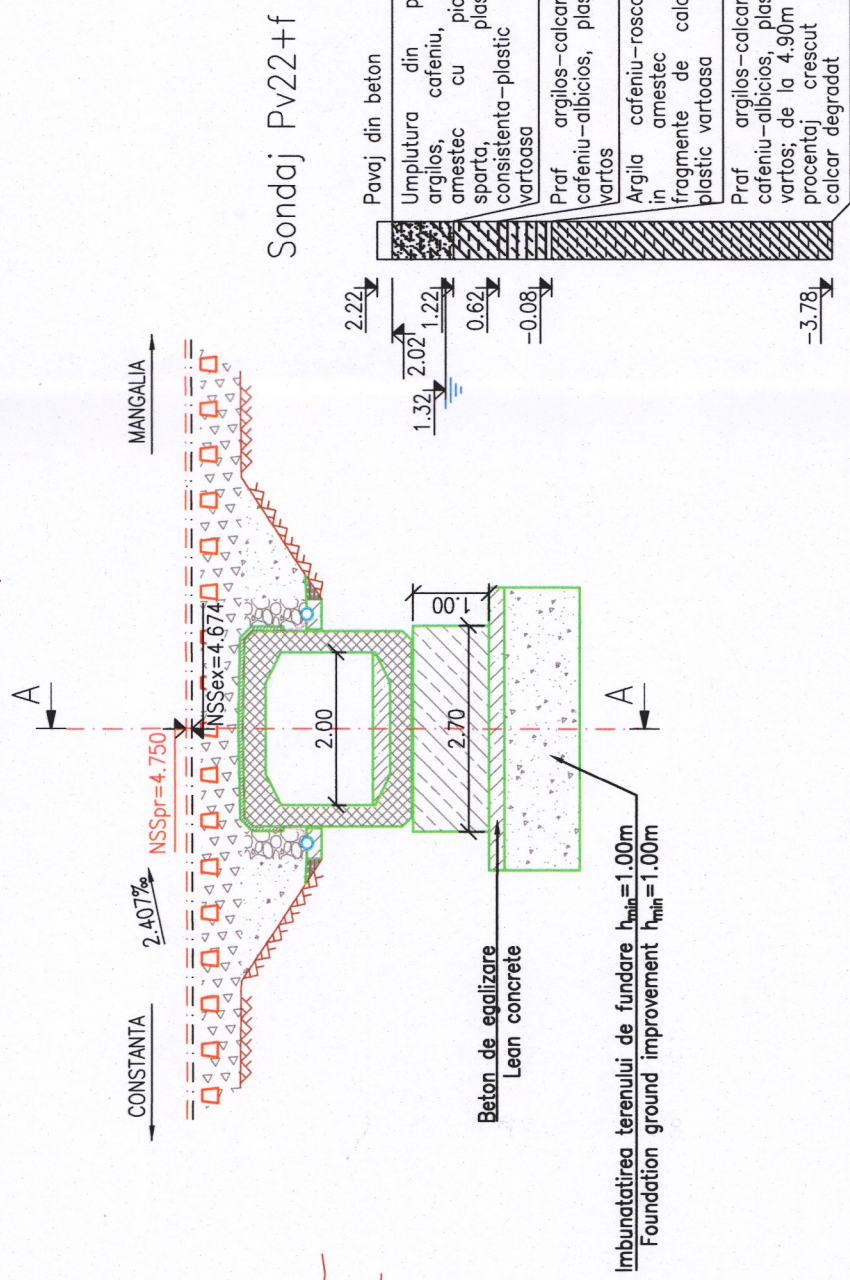
Scara/Scale 1:100



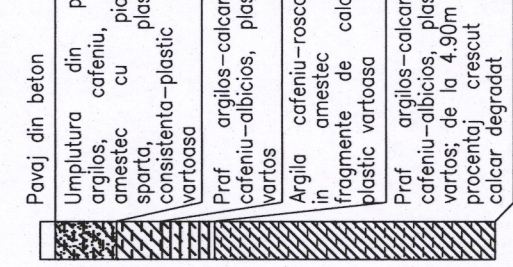
Camera de cadere existenta
Existing collection chamber

SECTIUNE TRANSVERSALA B-B/B-B CROSS SECTION

Scara/Scale 1:100



Sondaj Pv22+f



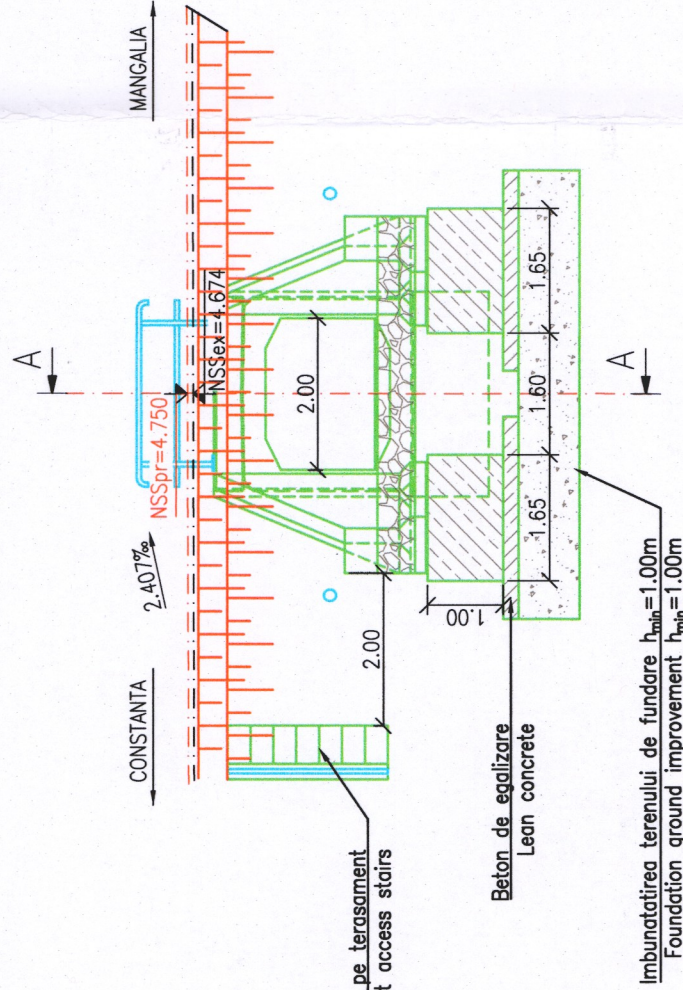
Scari de acces pe terasament
Embankment access stairs

Beton de egalizare
Lean concrete

Imbunatatirea terenului de fundare $h_{\text{min}}=1.00\text{m}$
Foundation ground improvement $h_{\text{min}}=1.00\text{m}$

SECTIUNE TRANSVERSALA C-C/C-C CROSS SECTION

Scara/Scale 1:100

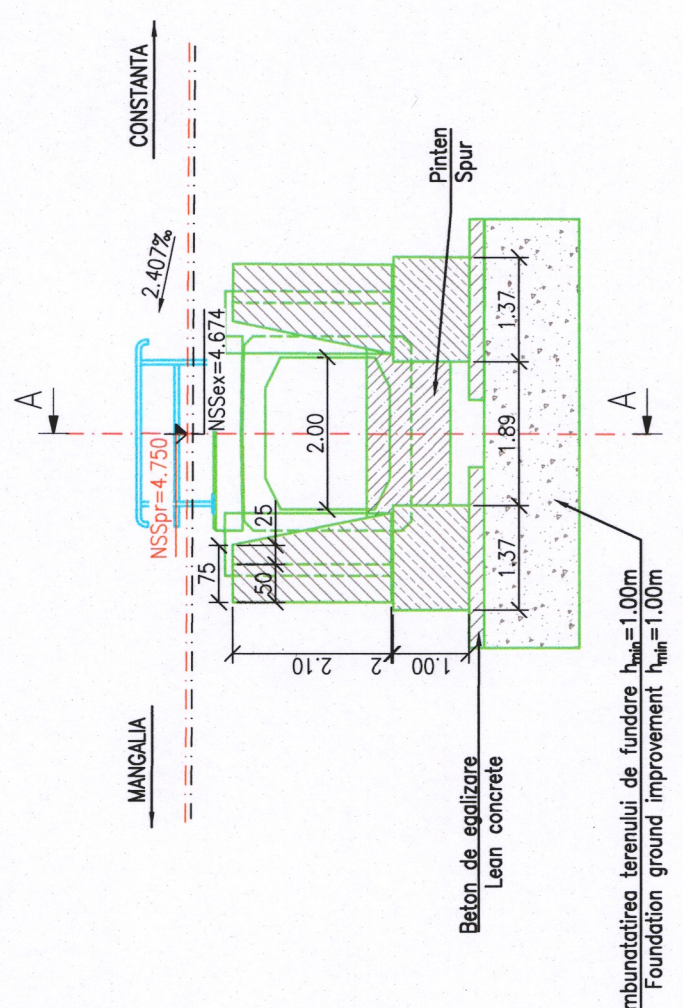


Beton de egalizare
Lean concrete

Imbunatatirea terenului de fundare $h_{\text{min}}=1.00\text{m}$
Foundation ground improvement $h_{\text{min}}=1.00\text{m}$

SECTIUNE TRANSVERSALA D-D/D-D CROSS SECTION

Scara/Scale 1:100



Beton de egalizare
Lean concrete

Imbunatatirea terenului de fundare $h_{\text{min}}=1.00\text{m}$
Foundation ground improvement $h_{\text{min}}=1.00\text{m}$

NOTA:

- Prezentul plan s-a intocmit pe baza urmatoarelor date:
 - Studiu topografic;
 - Studiu geotehnic;
 - Raport de Expertiza Tehnica
 - Date culesse de pe teren.
- Pentru realizarea podului nou se vor executa urmatoarele lucrari:
 - Se va demola podul existent.
 - Se vor monta elementele prefabricate tip C2 Redus, realizate din beton armat, pe o fundatie comuna, din beton armat, de tip fundatie directa.
 - Recordarile cu terasamentul in aval se vor asigura cu aripi prefabricate din beton armat tip A2.
 - In amonte se va realiza un zid de sprijin care se va racorda cu camera de cadere existenta.
 - Se va realiza peruu din beton armat, atat in podet, cat si in zonele cuprinse intre elementele de racordare ale acestuia cu terasamentul (intre aripi si ziduri) si se vor executa sautele din piatra bruta la ambele capete ale podului, in continuarea perului.
 - Se vor executa scari de acces pe terasament.
 - Albia se va profila si calbra in aval.
 - Se va realiza imbunatatirea terenului de fundare pe toata lungimea podului cu o grosime de minim 1.00m
- Lucrarile se vor realiza la adopostul unui pod provizoriu tip G.

NOTE:

- This plan has been drawn up based on the following data:
 - Land survey;
 - Geotechnical study;
 - Technical expert report;
 - Field data.
- 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 Reduced will be placed on a common direct reinforced concrete foundation;
 - The connection with embankment will be realized with precast reinforced concrete wings A2 downstream of the culvert;
 - Upstream of the culvert will be realized retaining walls which will be connected to the existing collection chamber;
 - Inside the culvert and between the precast wings and retaining walls will be realized a concrete pitching. At the both ends of the culvert will be realized a riprap mattress in continuation of the concrete pitching.
 - There are provided access stairs on embankment;
 - Riverbed will be calibrated and profiled downstream of the culvert.
 - Foundation ground will be improved along the entire length of the culvert with a minimum height 1.00m.
- 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 HIDROIZOLATEI 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 NATIONALA DE CAI FERATE "C.F.R." S.A. ROMANIAN NATIONAL RAILWAY COMPANY	
CONTRACTANT/CONTRACTOR ASOCIERE AJV		"Studiu de Fezabilitate pentru Electrificarea si Reabilitarea liniei de cale ferata Constanta - Mangalia" "Feasibility Study for Electrification and Rehabilitation of the Constanta - Mangalia Railway Line"	
DENUMIRE INVESTITIE/ INVESTMENT NAME	DENUMIRE INVESTITIE/ INVESTMENT NAME	SECTIUNE/ SECTION	INTERVAL / SECTION EFORIE SUD - TUZLA
SEMNAURA/ SIGNATURE	SEMNAURA/ SIGNATURE	SPECIALITATE/ SPECIALITY	PODURI/PODETE / BRIDGE/CULVERT
PROIECTAT/ DESIGNED	Ing. Cristina COTEAU	OBIECT/ OBJECT	PODETI / CULVERT km pr./dsq. 243+749 (km ex. 243+810)
VERIFICAT/ VERIFIED	dr. Ing. Carmen BALAN	DENUMIRE PLAN	DISPOZITIE GENERALA/ GENERAL LAYOUT
AVIZAT/ ADVISED	Ing. Marin BAICU	DENUMIRE PLAN NAME PLAN	SF 6 SF 10 Pd 05 02 R4
DATA/DATE:		SCARA/SCALE: 1:100	