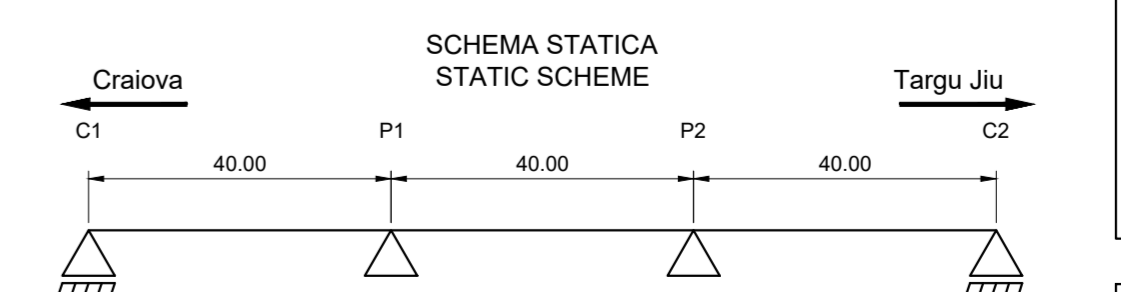


CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elemente / Elevations	C35/45	XC4 XD3 XF4
Placa de suprapunere / Overconcreting slab	C35/45	XC1 XD3
Antrebrase / Cross beams	C35/45	XC1 XD3
Panouri / Ribbing	C30/37	XC4 XF2
Fundatii pentru / R/rap foundations	C30/37	XC4
Alipi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prestabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
 Consoave de calcul: LM1 - conform SR EN 1991-2:2005; LM2 - conform SR EN 1991-2:2005; Categorie de importanta: "B" Grad de seismicitate: "7"; conform SR 111001-03 a₀=0.15g; T₀=0.7s conform P100-1:2013 Exigente de verificare faza PT: A4, B2, D AF

Lifespan: 120 years
 Loading category: LM1 - according to SR EN 1991-2:2005; LM2 - according to SR EN 1991-2:2005; Importance category: "B" Seismic area characteristics: "7"; conform SR 111001-03 a₀=0.15g; T₀=0.7s according to P100-1:2013 Quality requirements for TP phase: A4, B2, D AF

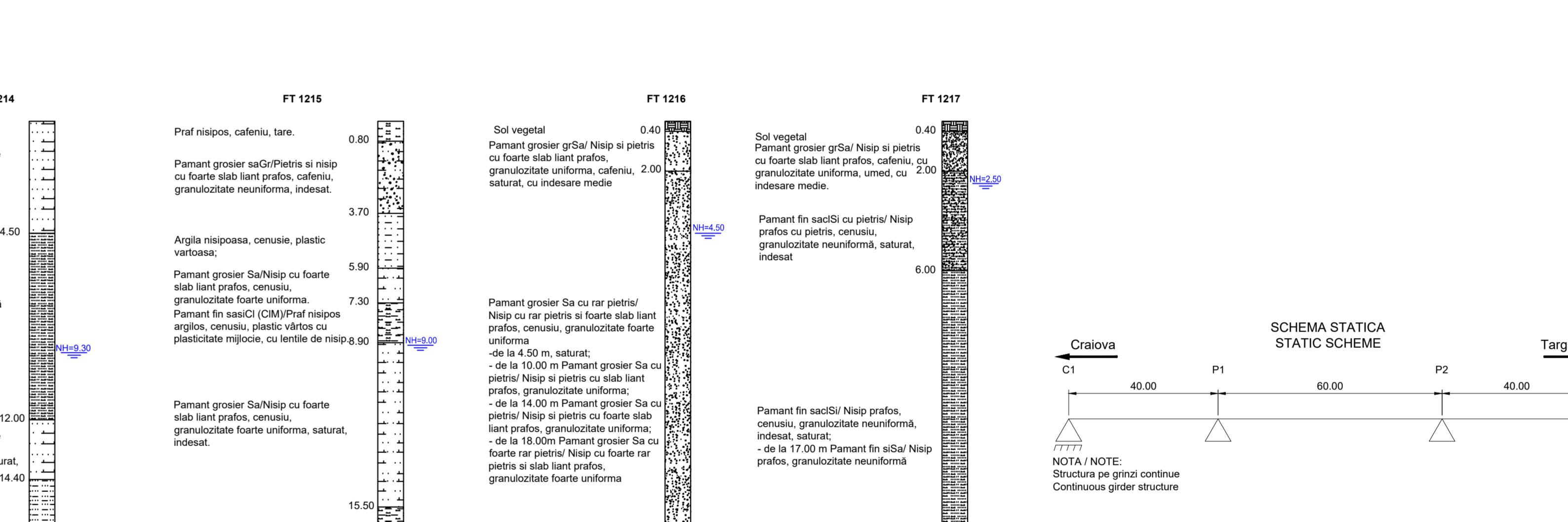
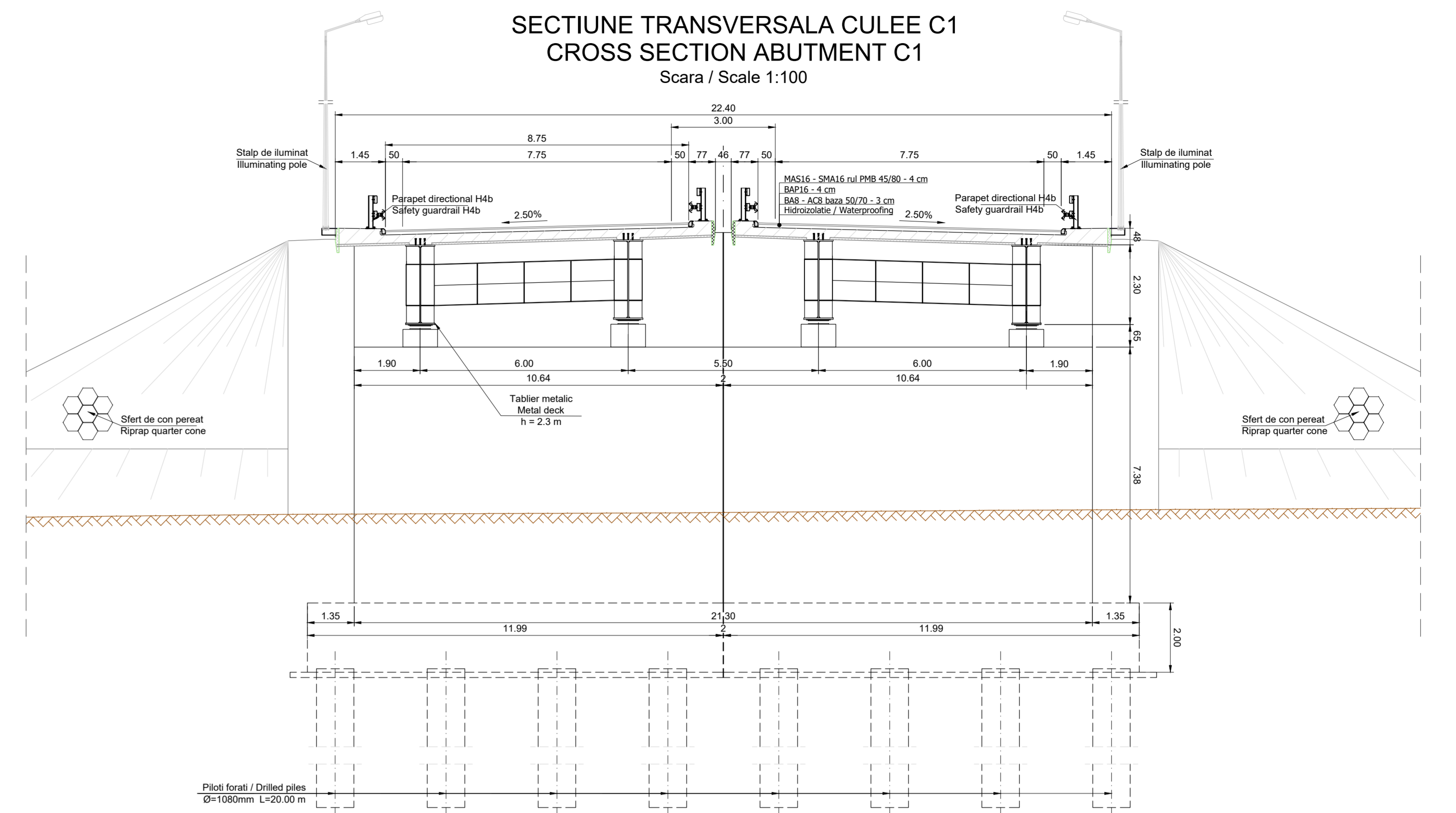
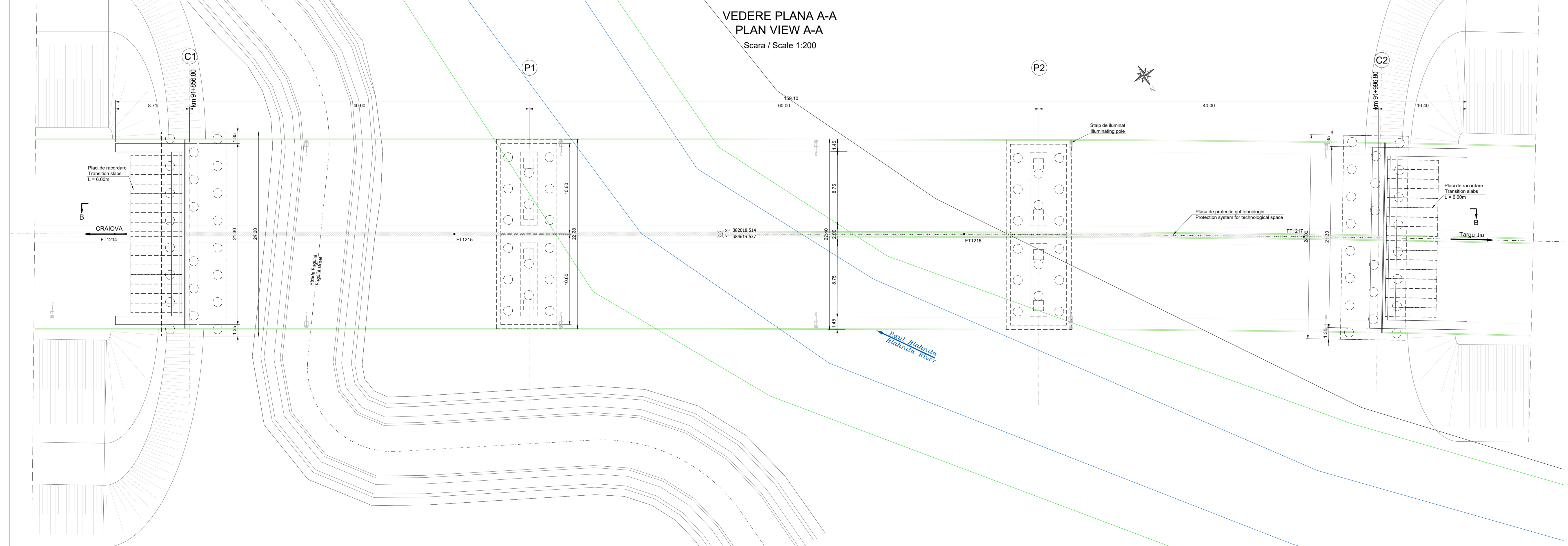
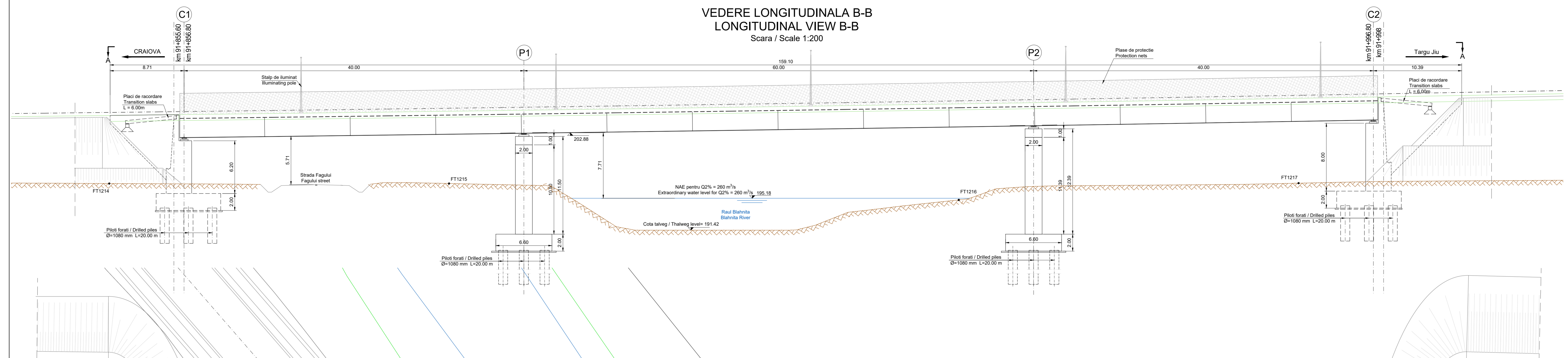
Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivati in etapa ulterioara de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrare de Drum.
- Evenuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

COORDONATOR PROIECT / PROJECT MANAGER: R. THADANI
INGINER PROIECTANT DE PUNTE / BRIDGE DESIGN ENGINEER: G. PERICOLU
INGINER PROIECTANT DE PUNTE / BRIDGE DESIGN ENGINEER: M. ANDREI
INGINER PROIECTANT DE PUNTE / BRIDGE DESIGN ENGINEER: A. PRODAN
VERIFICATOR TEHNIC / TECHNICAL CHECKER: M. ANDREI
DATE: 10/2023
DATA: 10/2023
DATE: 10/2023
DRAMA: 2023-07-07-64-3-05-5-11800
DRAMA: 2023-07-07-64-3-05-5-11800



CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure class
Beton de egalizare / Leveling concrete	C12/15	X0
Pilot forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elavati / Elevations	C35/45	XC4, XD3, XF4
Placa de supraportare / Overconcreting slab	C35/45	XC1, XD3
Arbitraje / Cross beams	C35/45	XC1, XD3
Pereu / Riprap	C30/37	XC4, XF2
Fundatii pentru / Riprap foundations	C30/37	XC4
Avri / Wing Walls	C35/45	XC4, XD3, XF4
Grinzii prefabricate / Prefabricated beams	C50/60	XC3, XF1, XF3
Praside / Precasts	C35/45	XC3, XF1, XF3

Durata de viata: 120 ani
Convalse de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
"7", conf. SR 111001-03
a=0.15g, Tc=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A1, B2, D, A1

LifeSpan: 120 years
Loading category
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
"7", acc. SR 111001-03
a=0.15g, Tc=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D, A1

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivi in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Notă:

- Reprezentarea profilului de Autoutralada / Drum Express / drum este informativă. Profilele transversale tip se regasesc in volumul de Lucru de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to the recommendations of the Geotechnical Study.

COORDONATOR PROIECT / PROJECT COORDINATOR: R. TRUȘAN

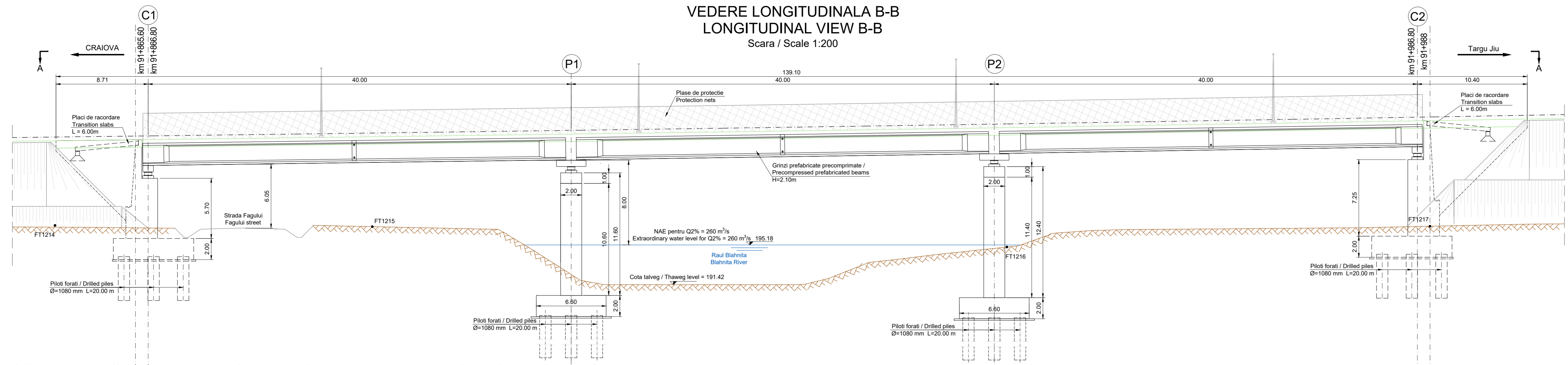
INGINER PROIECTANT / DESIGN ENGINEER: M. ANDREI

INGINER PROIECTANT / DESIGN ENGINEER: A. PRODHAN

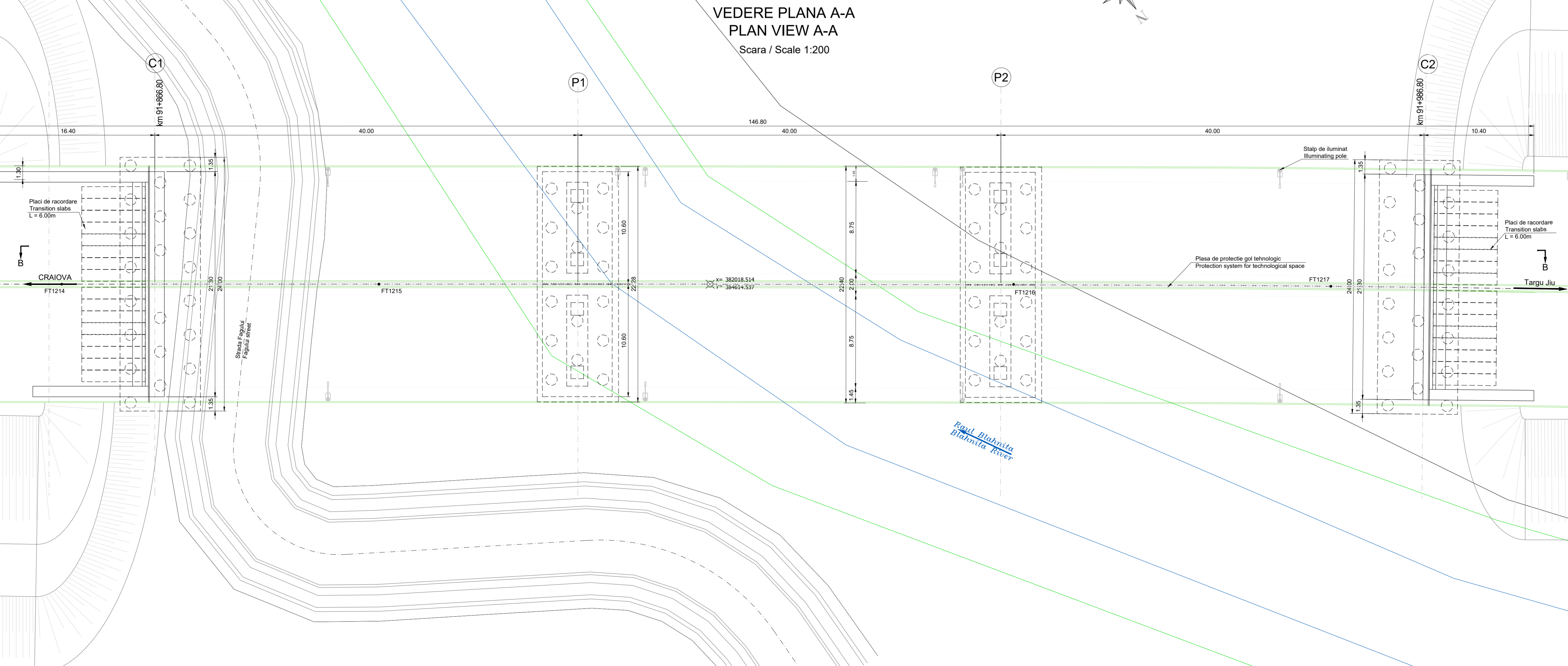
VERIFICATOR INTERN / INTERNAL CHECKER: A. PRODHAN

DATE: 10/2023 **SCALA:** 1:200 / 1:100

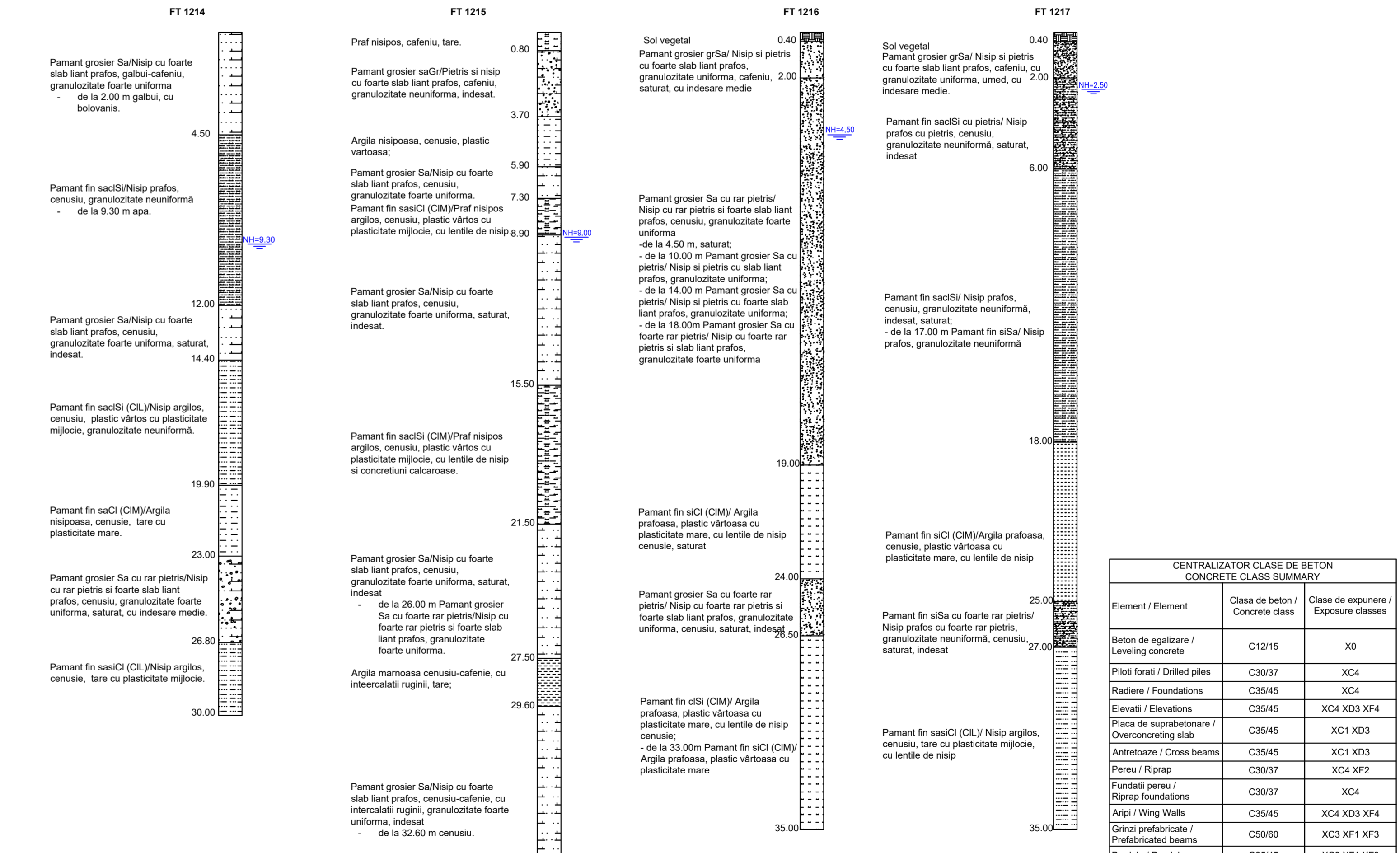
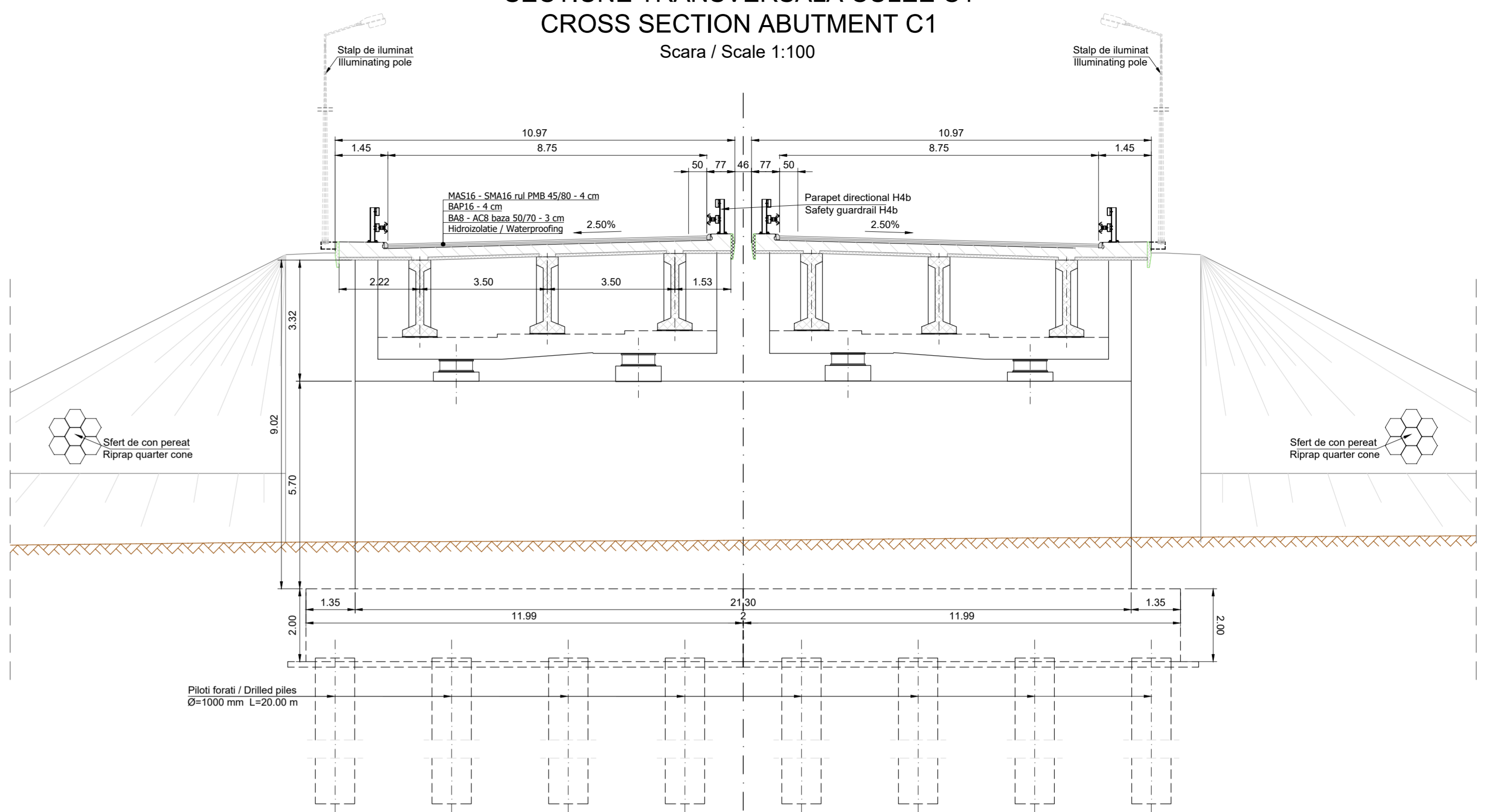
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



SCHEMA STATICA
STATIC SCHEME

NOTA / NOTE:
Structura pe grinzi continue
Continuous girder structure

DISPOZITIE GENERALA
GENERAL LAYOUT
Post pe Drum Express
km 91+855 peste Rau Blahvita si Str. Fagulul
Varianta 2 /
Bridge on Express Road
91+855 over Blahvita River si Fagulul street
2nd version

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Levelling concrete	C12/15	X0
Pilati forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elementi / Elements	C35/45	XC4 XD3 XF4
Placa de suprapunere / Overconcreting slab	C35/45	XC1 XD3
Arbitraje / Cross beams	C35/45	XC1 XD3
Fundatii pereti / Riprap foundations	C30/37	XC4 XF2
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinz prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Prezate / Prestabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convulsie de calcul LM2 - conf. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate: "7", acc. SR 11001-93
a₀=0.15g, T₀=0.7s, conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D, A1

Lifespan: 120 years
Loading convoys LM2 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11001-93
a₀=0.15g, T₀=0.7s, acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D, A1

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe pilati forati. Diametrul si lungimea pilozilor vor fi definitivati in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Notes:

- Reprezentarea profilului de Autostrada / Drum Express / road este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale fundaturilor de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

COORDONATOR / PROJECT MANAGER: I. THAPAN

PROIECTANT / DESIGNER: M. ANDREI

VERIFICATOR / CHECKER: M. ANDREI

DATE: 10/2023

SCALA: 1:200 / 1:100

DATE: 10/2023

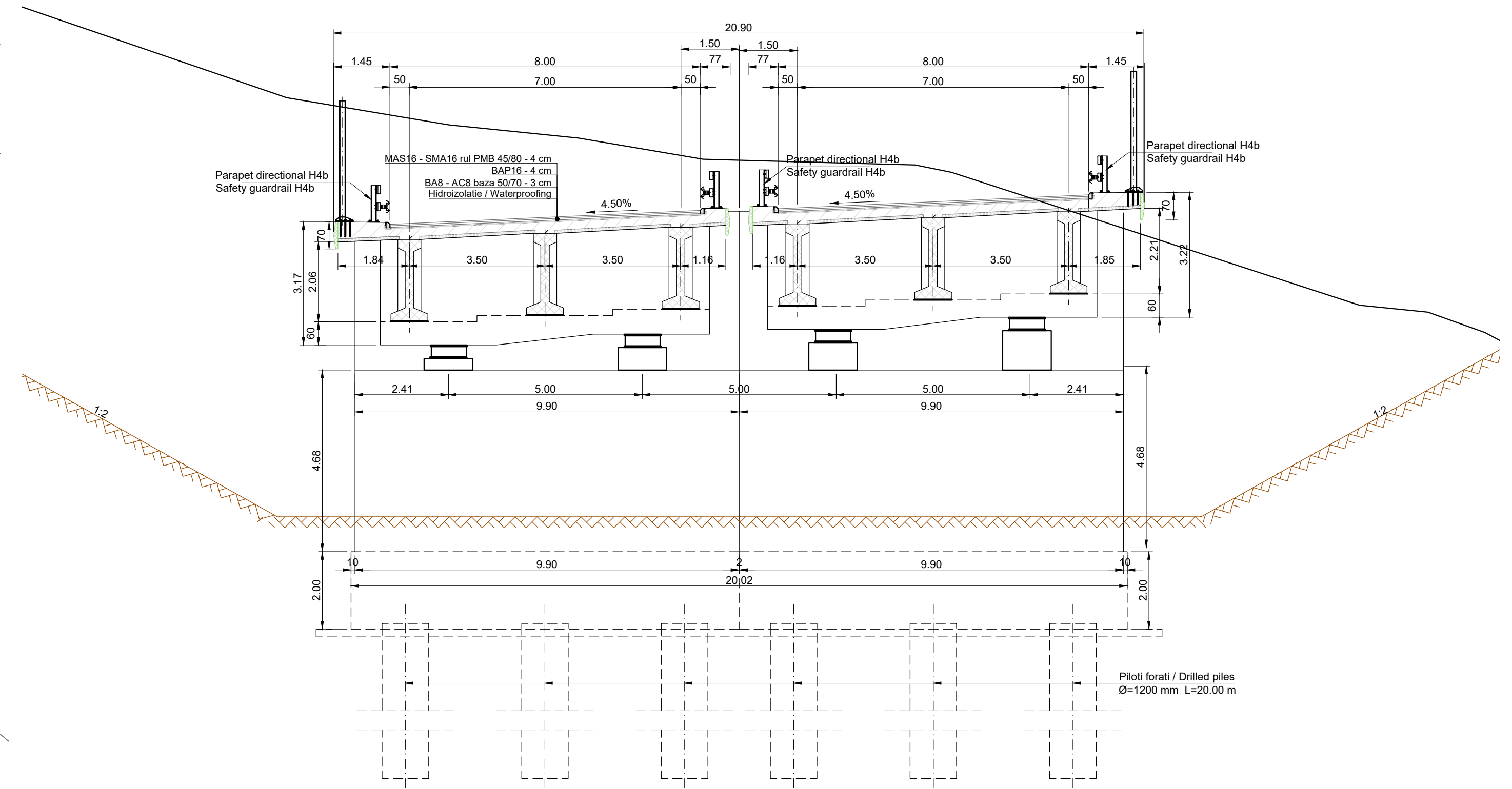
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DATE: 10/2023

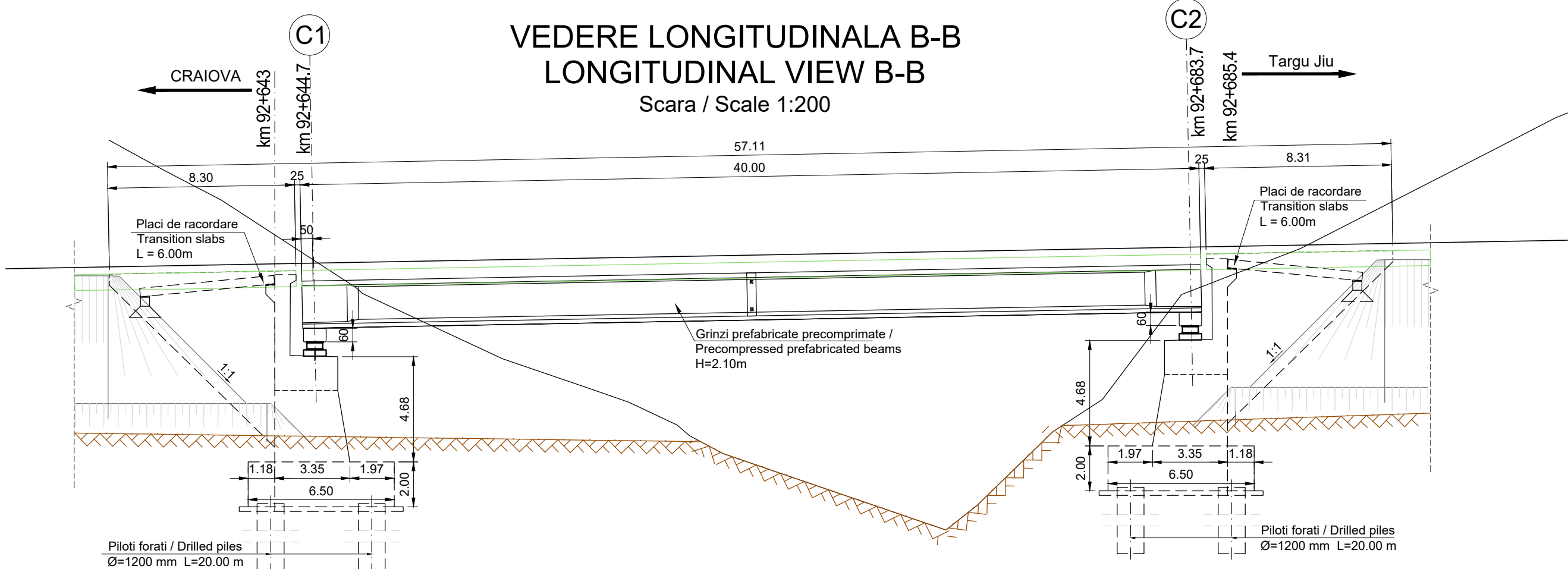
SCALA: 1:200 / 1:100

DATE: 10/2023

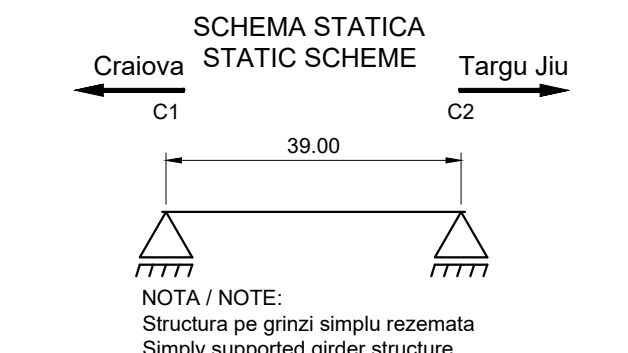
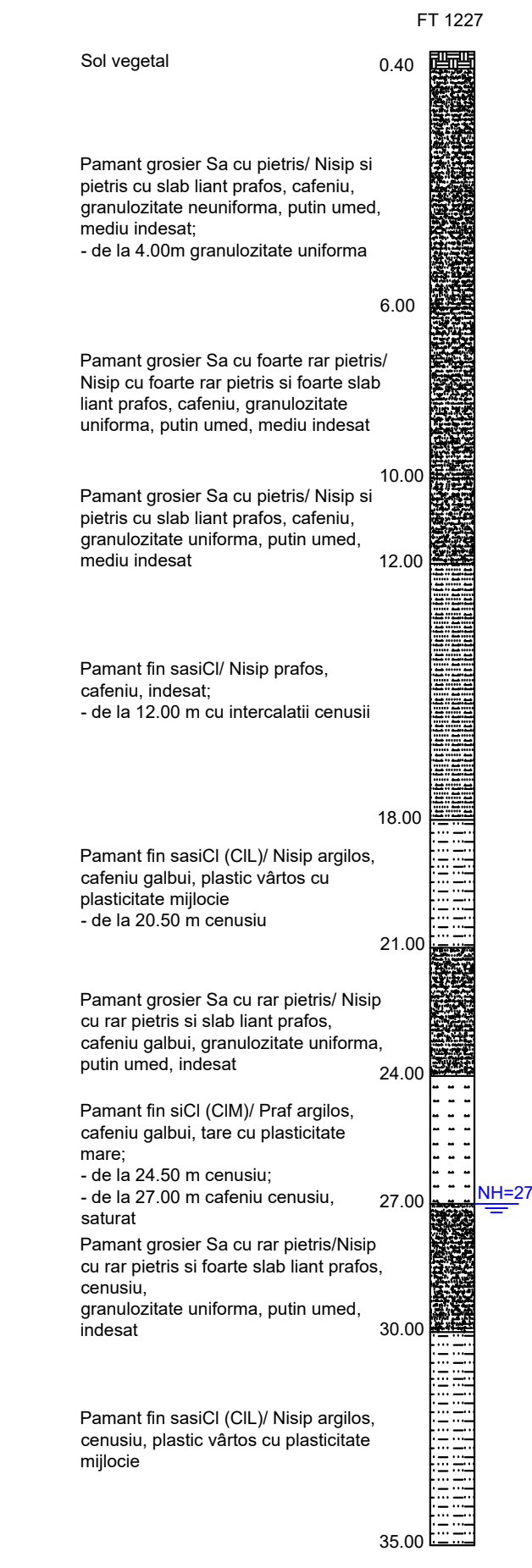
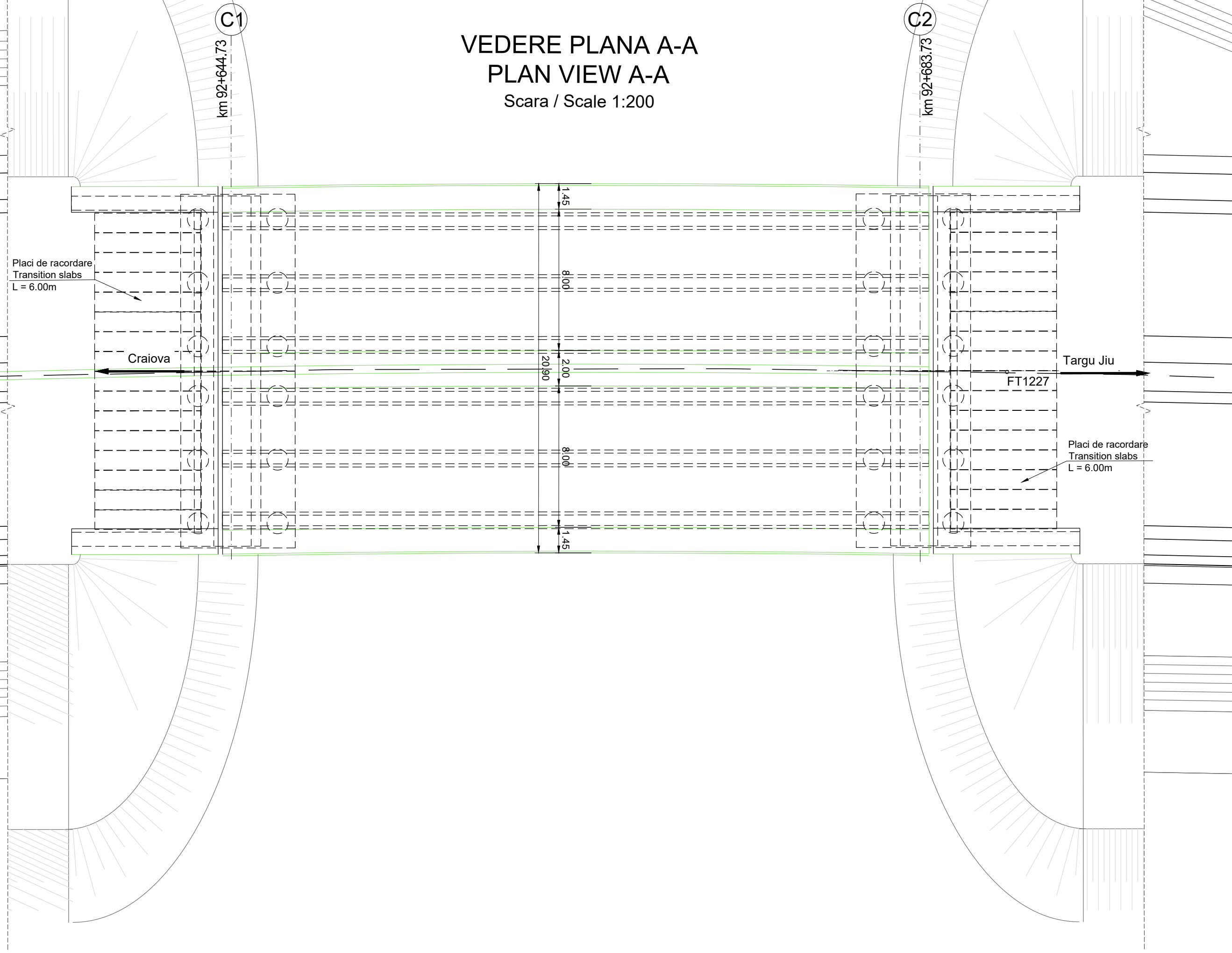
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprapanetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convoaie de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Categoriza de importanta: "B"
Grad de seismicitate:
"7", conf. SR 11100/1-93
 $a_g=0.15g, T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
"7", acc. SR 11100/1-93
 $a_g=0.15g, T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi finalizati in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIAREA / DESIGNER ASSOCIATION: EGIS ROMANIA SA / SEARCH CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUMUL EXPRESS FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

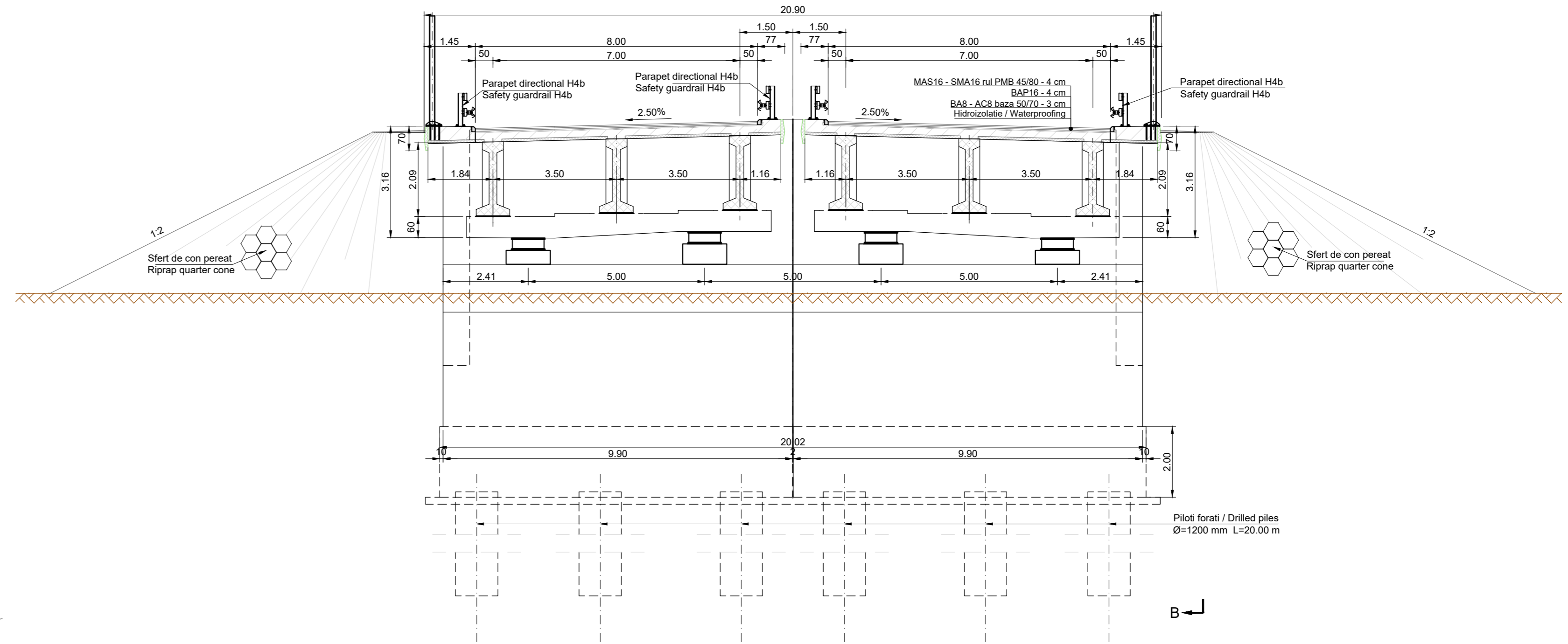
LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Viaduct pe Drum Express km 92+643 peste Vale / Viaduct on Express Road pk 92+643 over valley

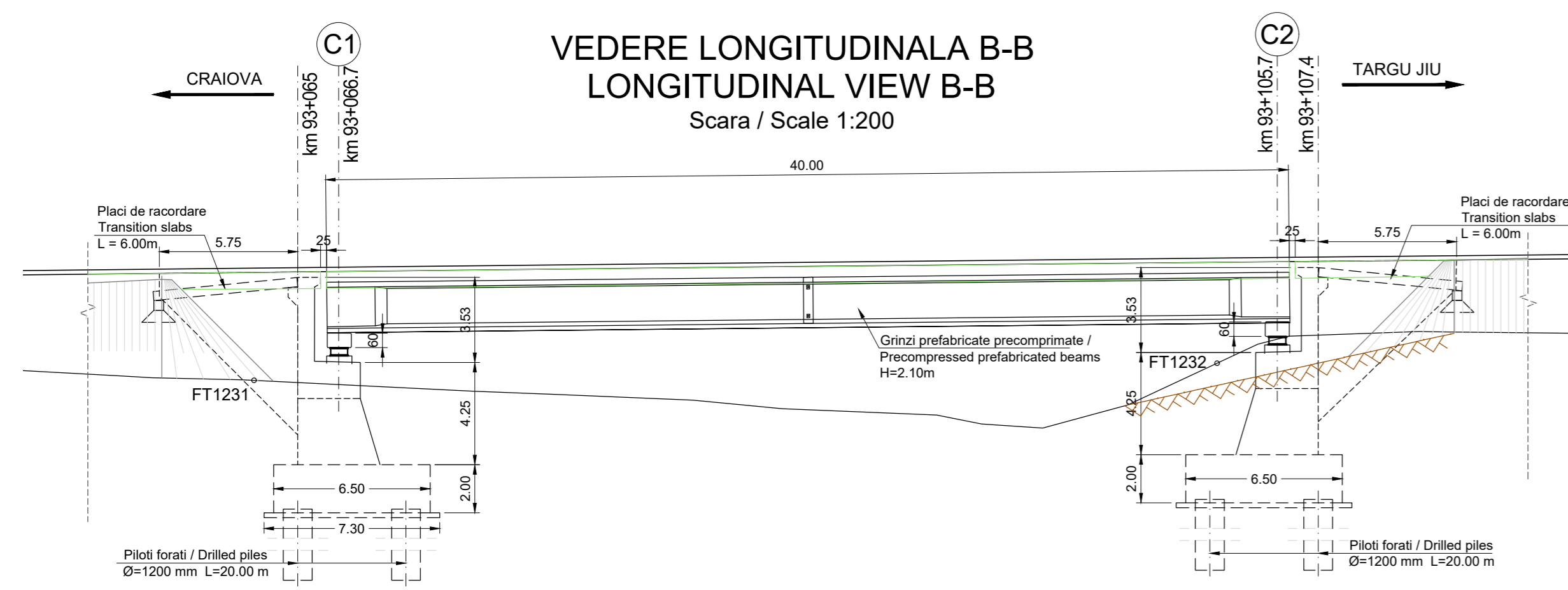
COORDONATOR ADIUNCT DE PROIECT R. THADANI
PROJECT COORDINATOR DEPUTY R. Thadani
INGINER PROIECTANT DE PODURI G. PERICOLU
BRIDGE DESIGN ENGINEER G. Pericolu
INGINER PROIECTANT DE PODURI G. BARONCEA
BRIDGE DESIGN ENGINEER G. Baroncea
INGINER PROIECTANT DE PODURI M. ANDREI
BRIDGE DESIGN ENGINEER M. Andrei
VERIFICAT INTERN INTERNAL CHECKER A. PRODAN
INTERNAL CHECKER A. Prodan

Contract nr.: 92/22579
Contract no.: 92/22579
Date: 10/2023
Cod desen: 22579-C7J-SF-A-LA.3.3-DG-S-04-R00
Drawing number:

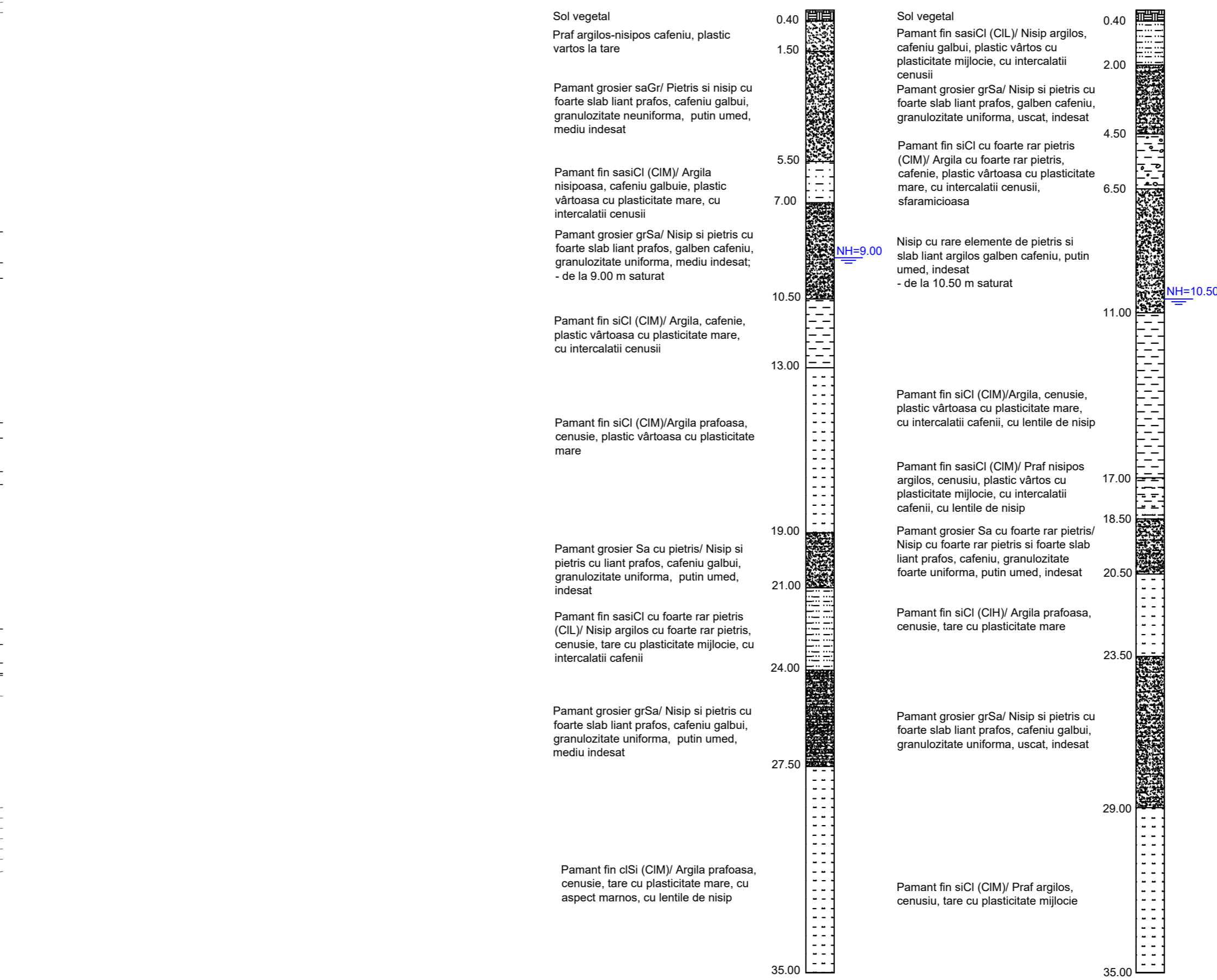
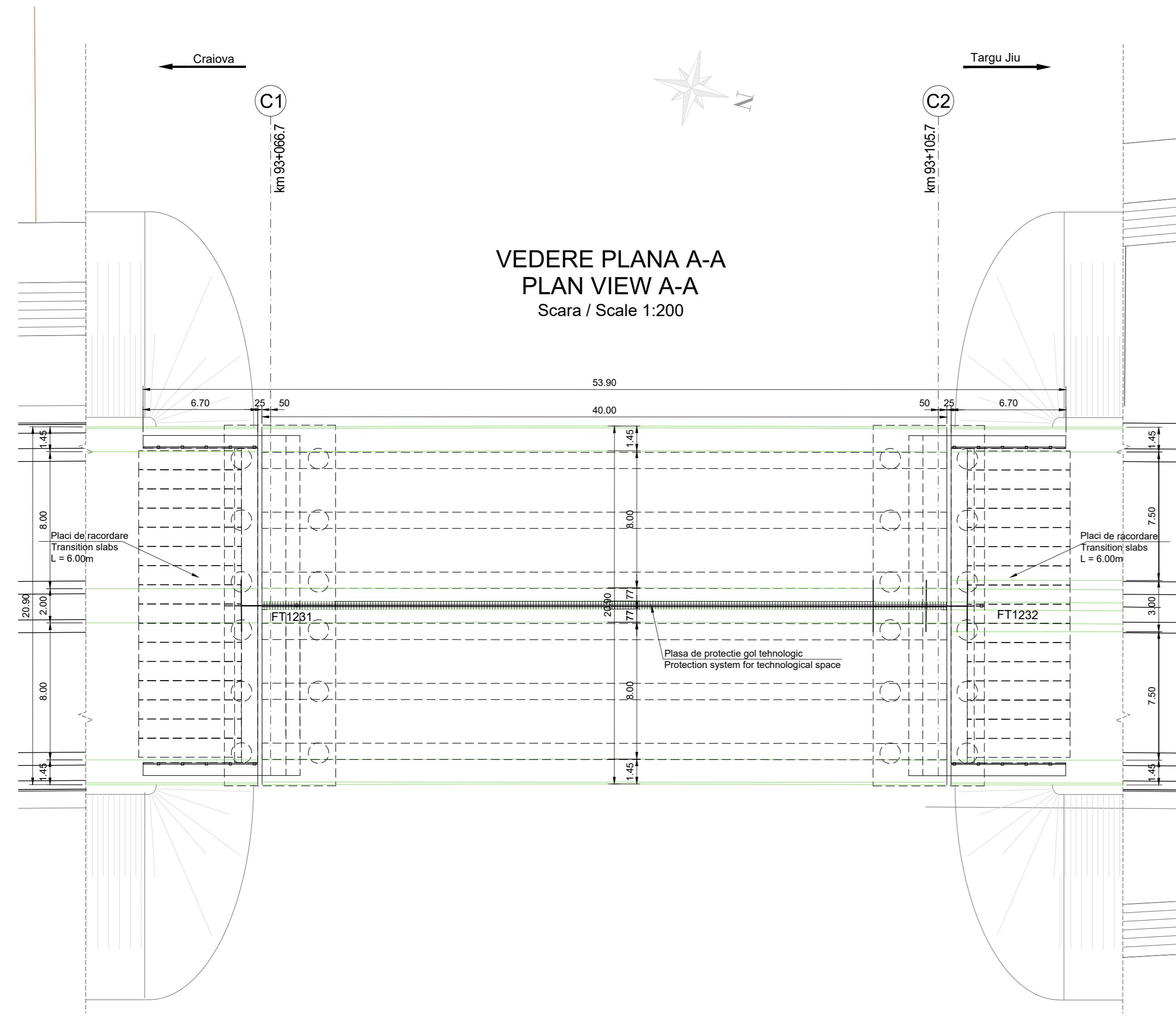
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



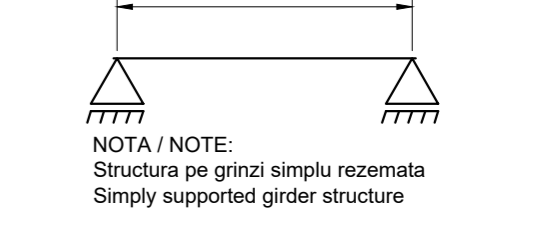
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



SCHEMA STATICA
STATIC SCHEME



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Levelling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Peruu / Riprap	C30/37	XC4 XF2
Fundatii peruu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convovae de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
7°, conf. SR 11100/1-93
a_s=0.15g, T_c=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convovae
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
7°, acc. SR 11100/1-93
a_s=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi finalizate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE / NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIEREA / DESIGNER ASSOCIATION: EGIS ROMANIA SA / SEARCH CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILAS SI DRUM EXPRES FILAS-TARGU JIU / PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD

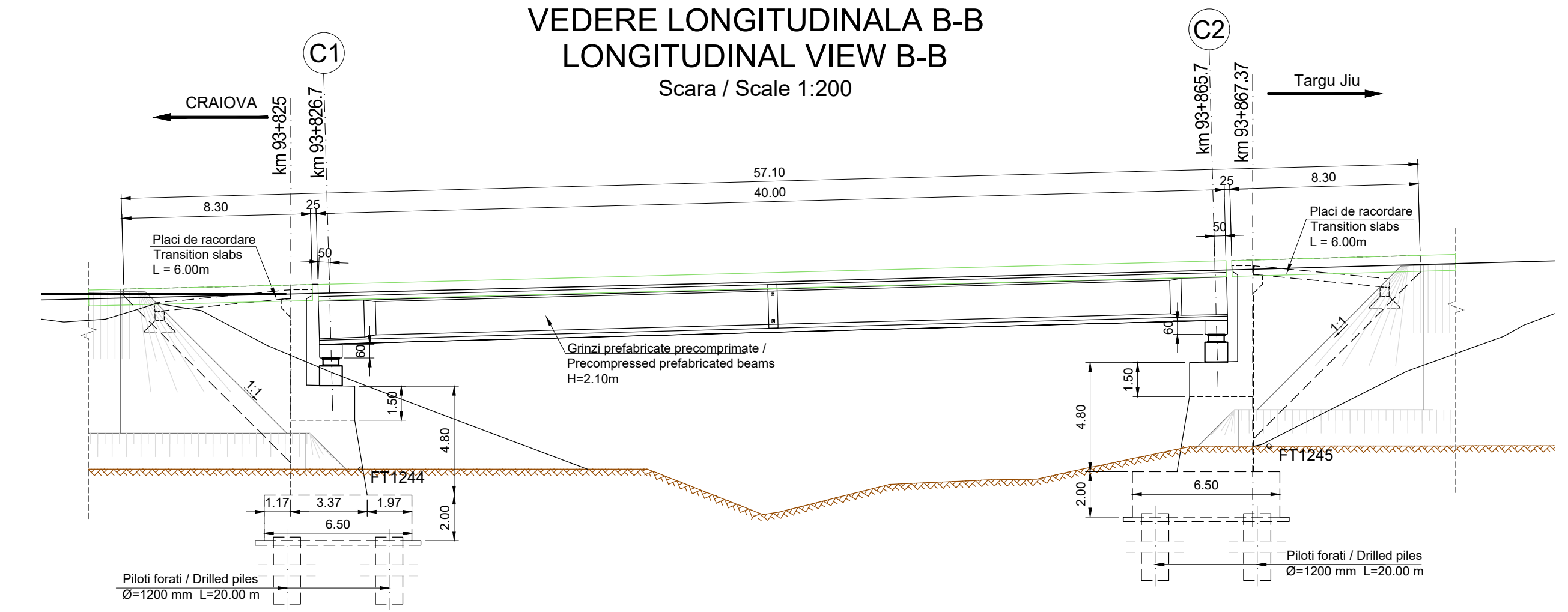
LUCRARI DE PODURI, VIADUCTE SI PASAJE / BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Viaduct de Drum Expres km 93+065 peste Vale / Viaduct on Express Road pk 93+065 over valley

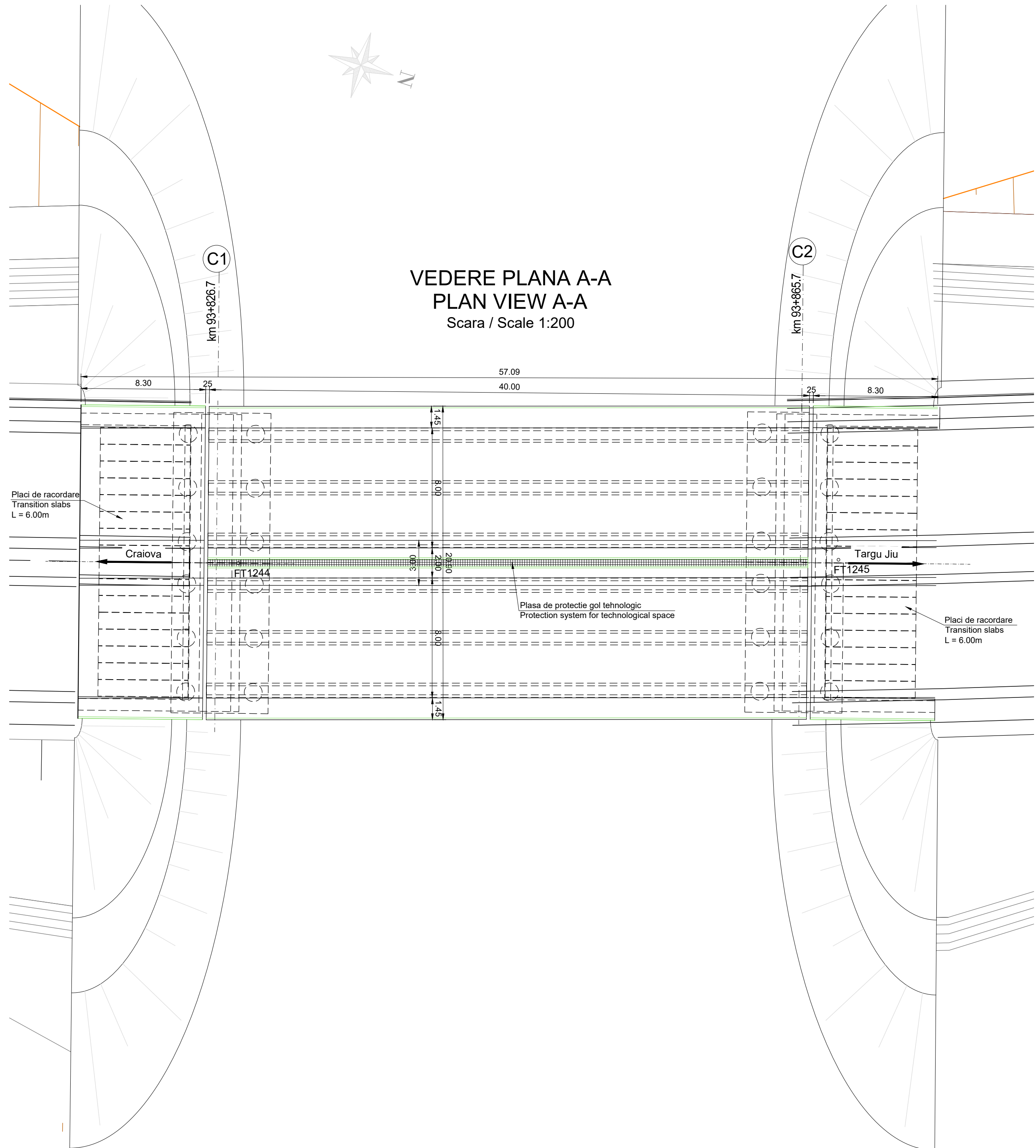
COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY	R. THADANI
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER	G. PERICOLO
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER	G. BARONCEA
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER	M. ANDREI
VERIFICAT INTERN / INTERNAL CHECKER	A. PRODAN

Contract nr. 92/22579 / Contract no. 92/22579
Data: 10/2023 / Date: 10/2023
Cod desen: 22579-C1J-SF-6-LA-3-DG-S_05/000 / Drawing number:

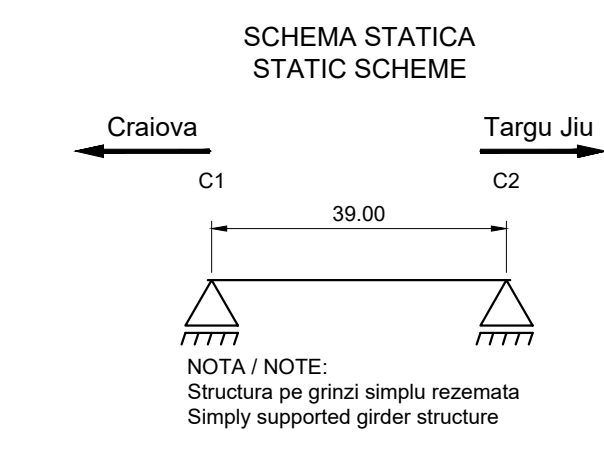
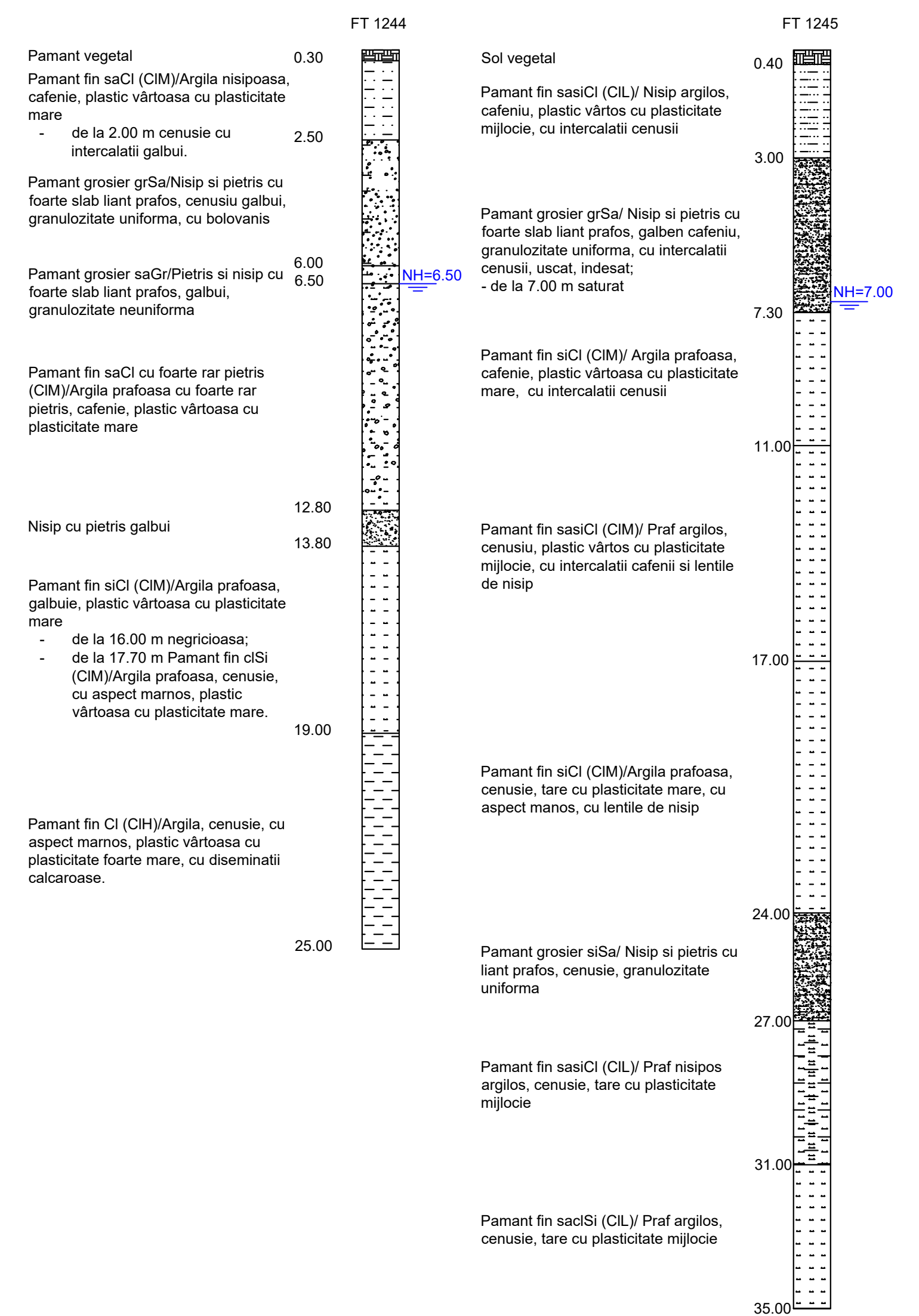
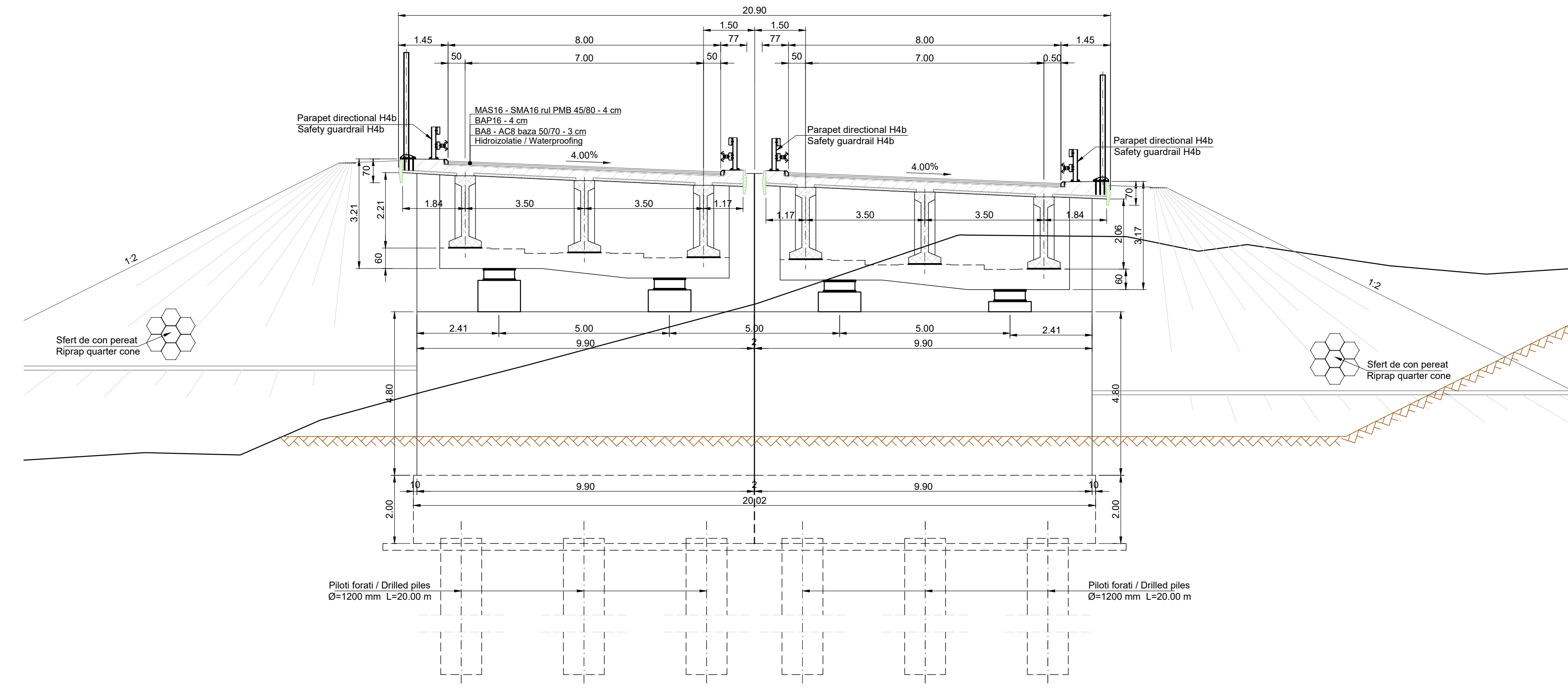
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Lifespan: 120 years
Convooie de calcul LM1 - conf. SR EN 1991-2:2005
Loading convoys LM1 - acc. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Importance category: "B"
Grad de seismicitate: "7", conf. SR 111001-93
a₀=0.15g, T₀<0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.
According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIEREA / DESIGNER ASSOCIATION: egis SEARCH CORPORATION SRL
EGIS ROMANIA SA SEARCH CORPORATION SRL

ELABORARE STUDIUL DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILAS SI DRUM EXPRES FILAS-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Viaduct pe Drum Expres km 93+825 peste Vale / Viaduct on Express Road pk 93+825 over valley

COORDONATOR ADJUNCT DE PROIECT: R. THADANI
PROJECT COORDINATOR DEPUTY: R. Thadani

INGINER PROIECTANT DE PODURI: G. PERICOLU
BRIDGE DESIGN ENGINEER: G. Pericolu

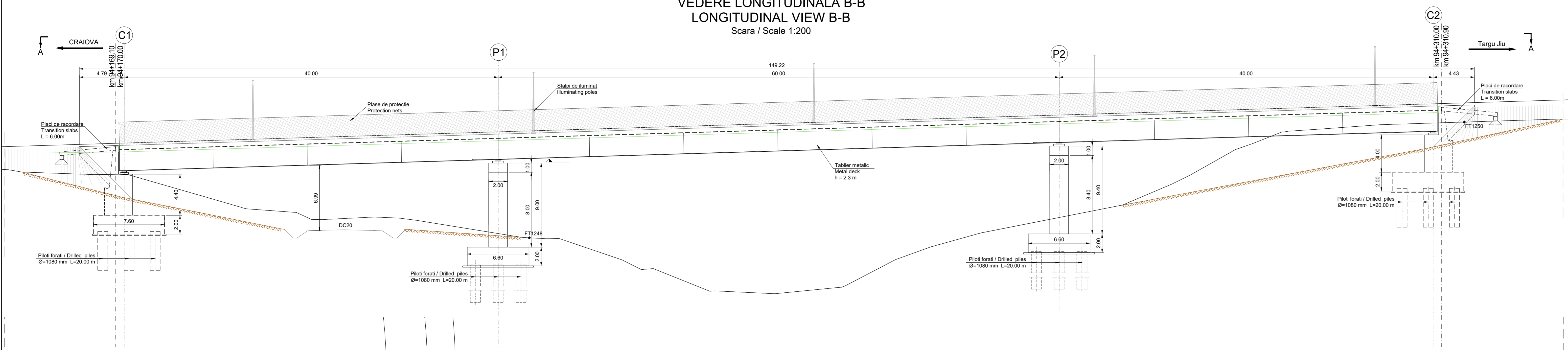
INGINER PROIECTANT DE PODURI: G. BARONCEA
BRIDGE DESIGN ENGINEER: G. Baroncea

INGINER PROIECTANT DE PODURI: M. ANDREI
BRIDGE DESIGN ENGINEER: M. Andrei

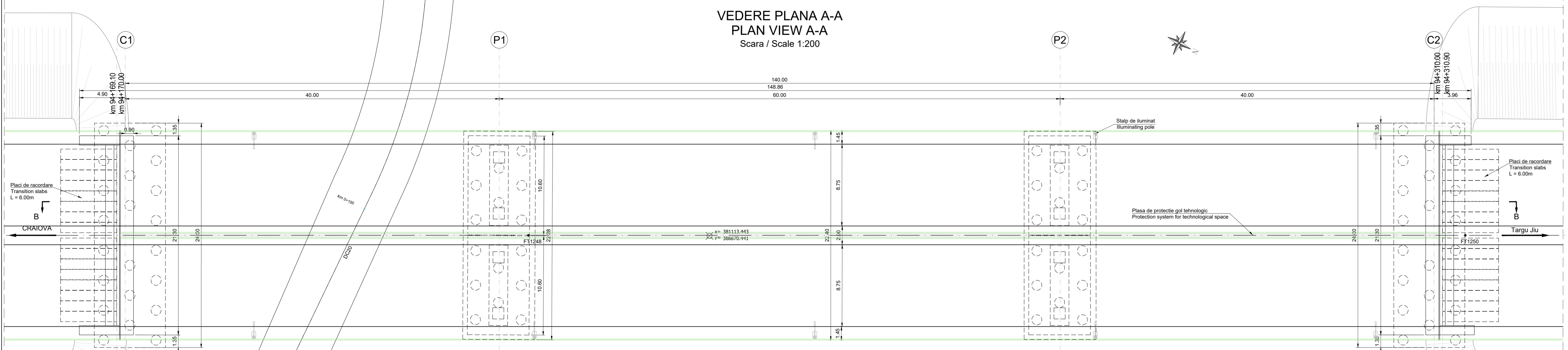
VERIFICATOR INTERN: A. PRODAN
INTERNAL CHECKER: A. Prodan

Contract nr. 92/22579
Contract no. 92/22579
Reviză nr. 0
Revision no. 0
Data: 10/2023
Date: 10/2023
Scara: 1:200 / 1:100
Scale: 1:200 / 1:100
Cod desen: 22579-C1-JB-6-1-A-3-DIG-5_07-800
Drawing number: 22579-C1-JB-6-1-A-3-DIG-5_07-800

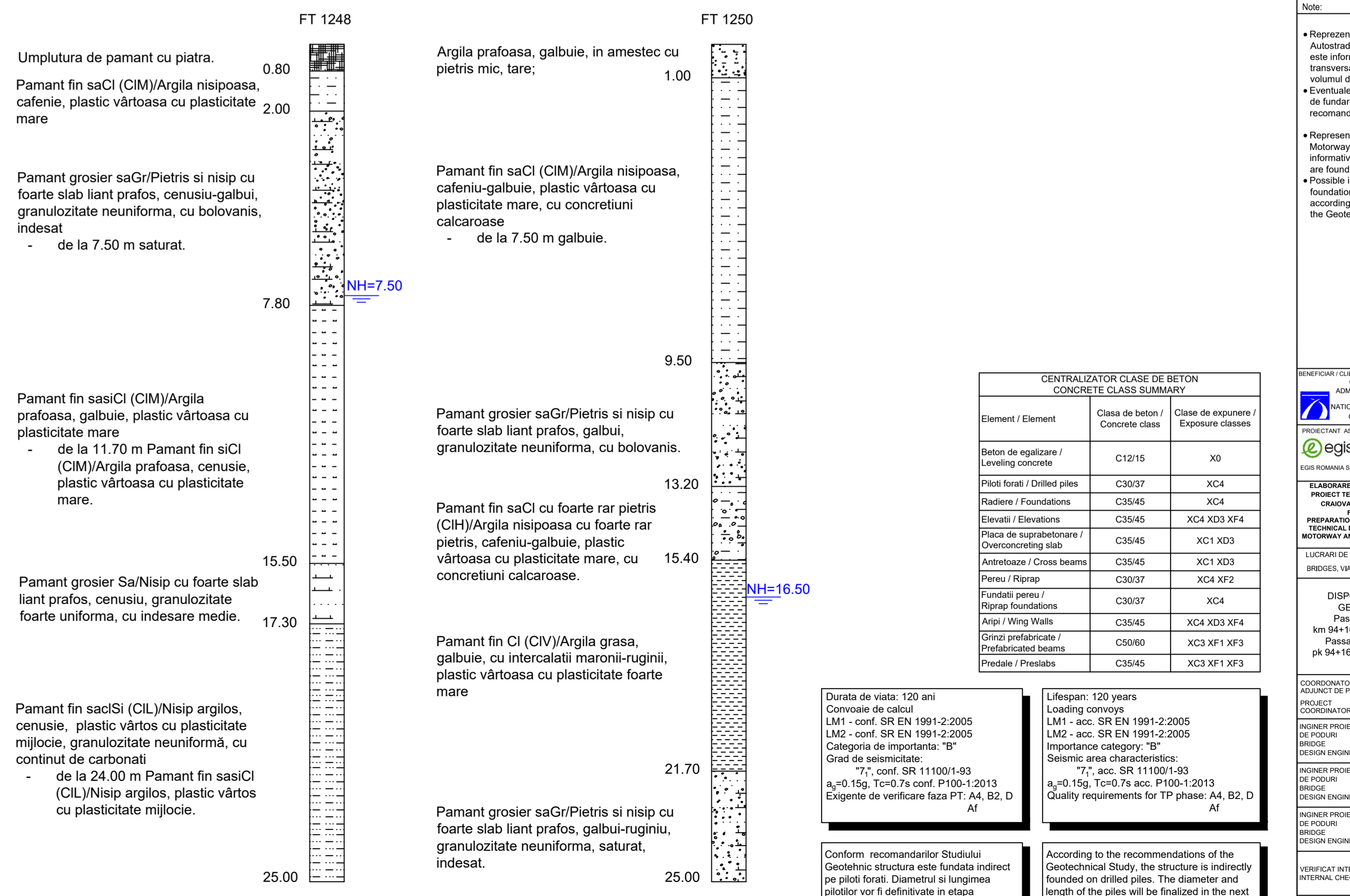
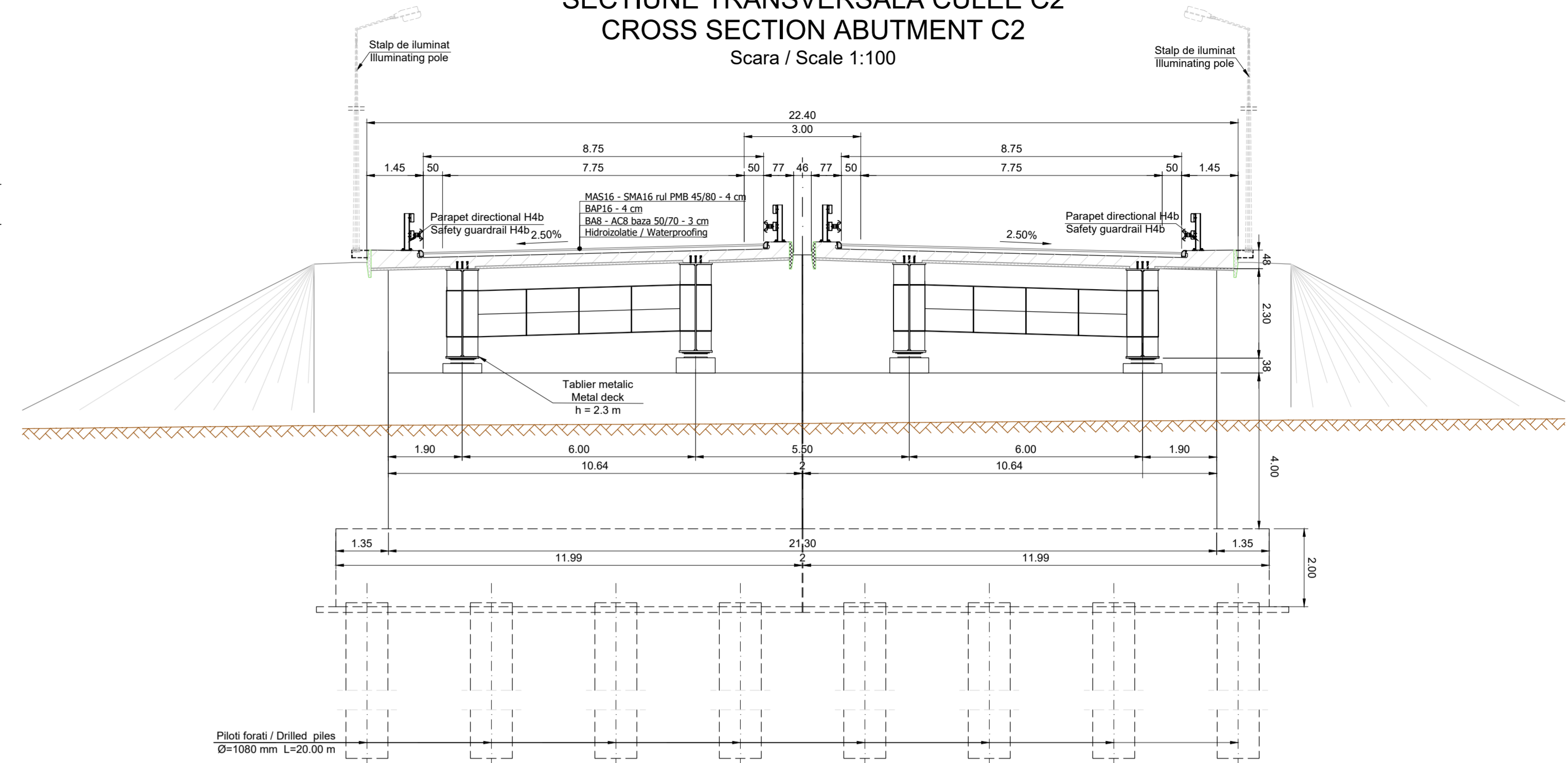
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



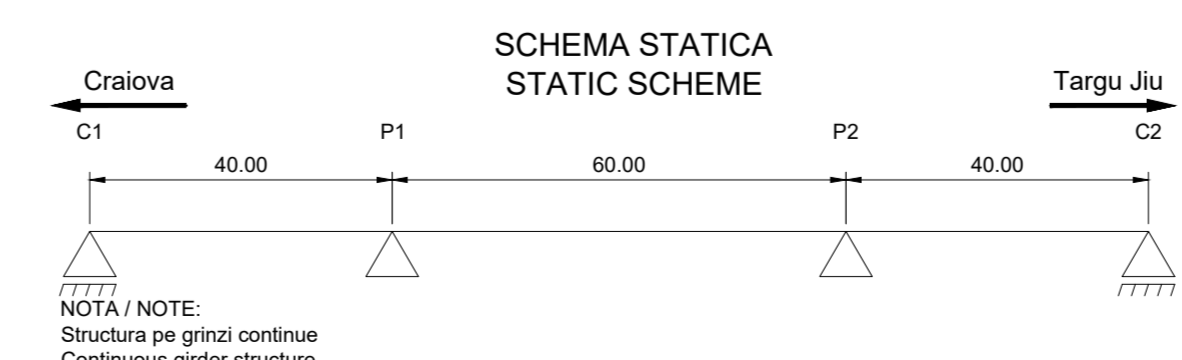
VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



SECTIUNE TRANSVERSALA CULEE C2
CROSS SECTION ABUTMENT C2
Scara / Scale 1:100



- Umplutura de pamant cu piatra.
- Pamant fin saCI (CIM)/Argila nisipoasa, cafenie, plastic vartoasa cu plasticitate mare
- Pamant grosier saGr/Pietris si nisip cu foarte slab liant prafos, cenuziu-galbui, granulozitate neuniforma, cu bolovanis, indesar - de la 7.50 m saturat.
- Pamant fin sasiCI (CIM)/Argila proafosa, galbuie, plastic vartoasa cu plasticitate mare - de la 11.70 m Pamant fin saCI (CIM)/Argila proafosa, cenusie, plastic vartoasa cu plasticitate mare.
- Pamant grosier Sa/Nisip cu foarte slab liant prafos, cenuziu, granulozitate foarte uniforma, cu indesar medie.
- Pamant fin saCI (CIL)/Nisip argilos, cenusie, plastic vartos cu plasticitate mijlocie, granulozitate neuniforma, cu continut de carbonati - de la 24.00 m Pamant fin sasiCI (CIL)/Nisip argilos, plastic vartos cu plasticitate mijlocie.
- Pamant grosier saGr/Pietris si nisip cu foarte slab liant prafos, galbui, granulozitate neuniforma, saturat, indesar.
- Pamant grosier saGr/Pietris si nisip cu foarte slab liant prafos, galbui-ruginiu, granulozitate neuniforma, saturat, indesar.



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Razdare / Foundations	C35/45	XC4
Elevati / Elevations	C35/45	XC4 XD3 XF4
Placa de suprapunatoare / Overconcreting slab	C35/45	XC1 XD3
Antrebrzo / Cross beams	C35/45	XC1 XD3
Pereu / Rppap	C30/37	XC4 XF2
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prestabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani Convoye de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005 Categorie de importanta: "II" Grad de seismicitate: "I", conf. SR 111001-1-93 a ₀ =0.15g, T _{cd} =1% acc. P100-1-2013 Exigente de verificare faza PT: A4, B2, D, Af	Lifespan: 120 years Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005 Importance category: "II" Seismic area characteristics: "I", acc. SR 111001-1-93 a ₀ =0.15g, T _{cd} =1% acc. P100-1-2013 Quality requirements for TP phase: A4, B2, D, Af
---	---

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi finalizate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII ROTUNDE
PROIECTANT ASOCIATA / DESIGNER ASSOCIATION: egis SEARCH CORPORATION

ELABORARE STUDIUL DE FEZABILITATE SI PROIECTARE PENTRU AUTOSTRADA CRAIOVA FILA 5 SI DRUM EXPRES PENTRU FILA 6

PREPARAREA SI REALIZAREA PROIECTULUI TEHNIC DE PROIECTARE SI EXECUTIE PENTRU AUTOSTRADA SI DRUM EXPRES

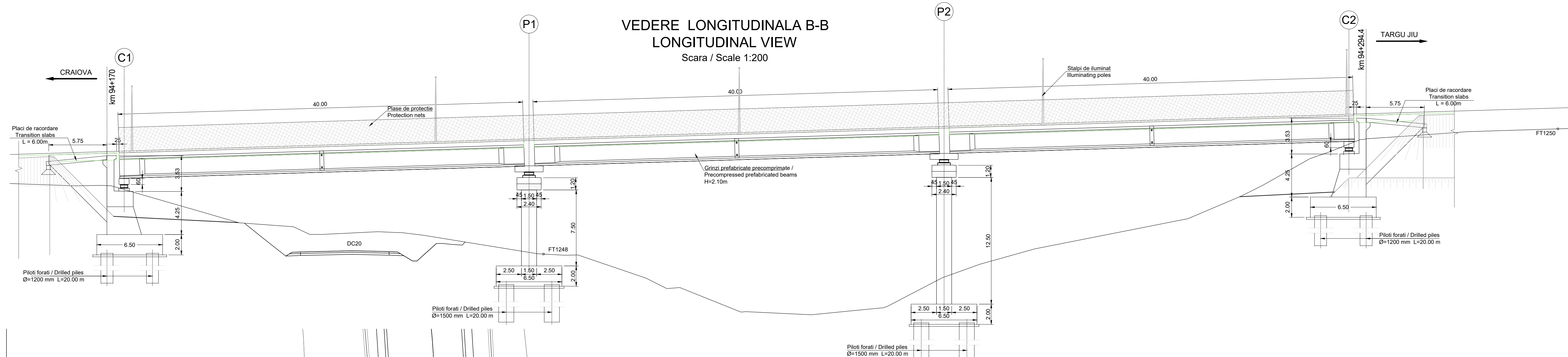
LUCRARI DE PROIECTARE SI EXECUTIE PENTRU PASAJE SI PASAJE DE CALDARE

DISPOZITIE GENERALA GENERAL LAYOUT
Pisaj pe Drum Express
km 94+169 peste DC20 si Vale / Passage on Express Road pk 94+169 over DC20 and valley

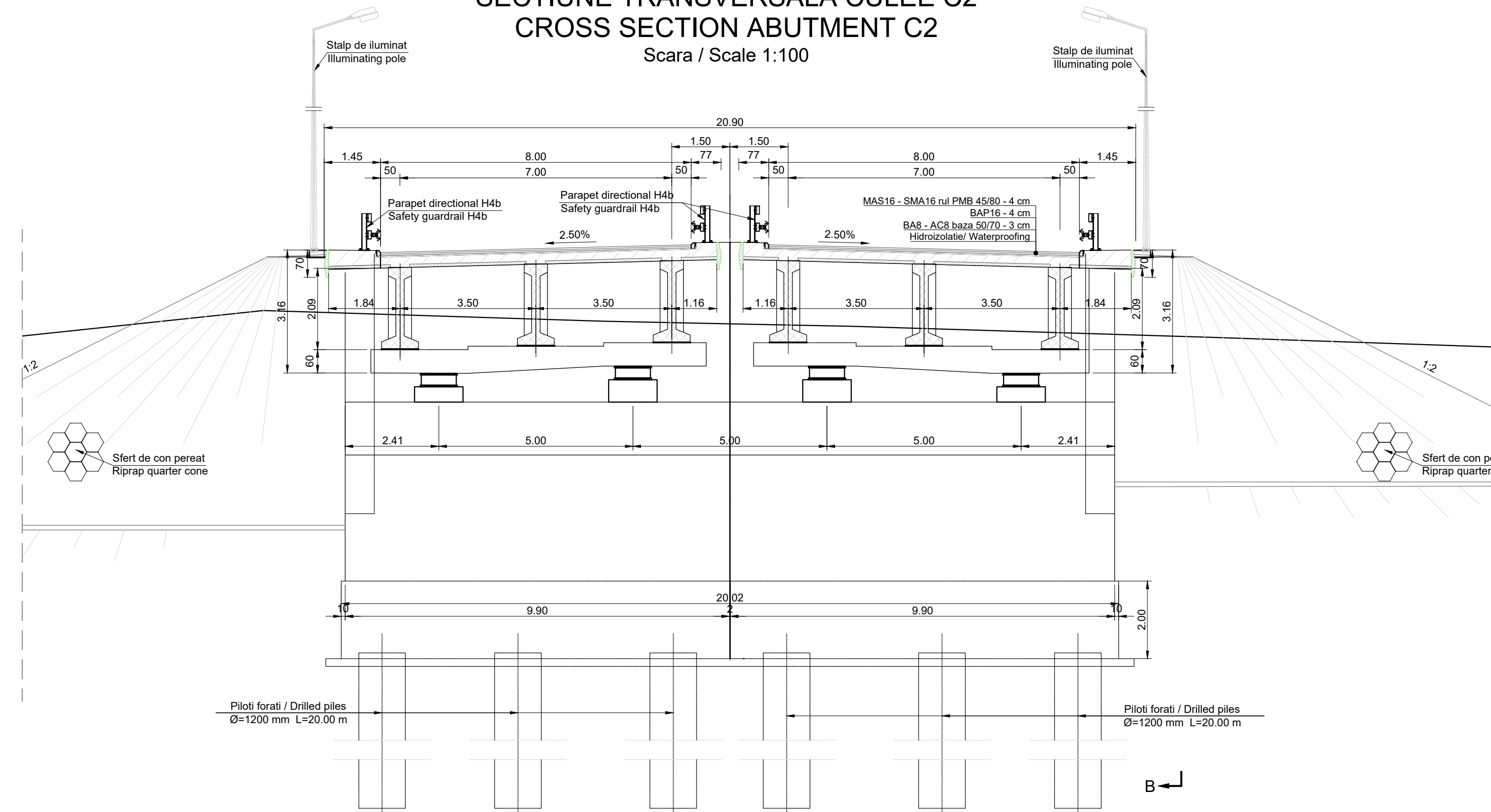
COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTAT: M. Andrei
INGINER PROIECTANT DE PROIECT / DESIGN ENGINEER: G. Popescu
INGINER PROIECTANT DE PROIECT / DESIGN ENGINEER: G. Barboanca
INGINER PROIECTANT DE PROIECT / DESIGN ENGINEER: M. Andrei
VERIFICATOR INTERN / INTERNAL CHECKER: M. Andrei

Contract no. 9022579 / Contract no. 9022579
Data: 10/03/2023 / Date: 10/03/2023
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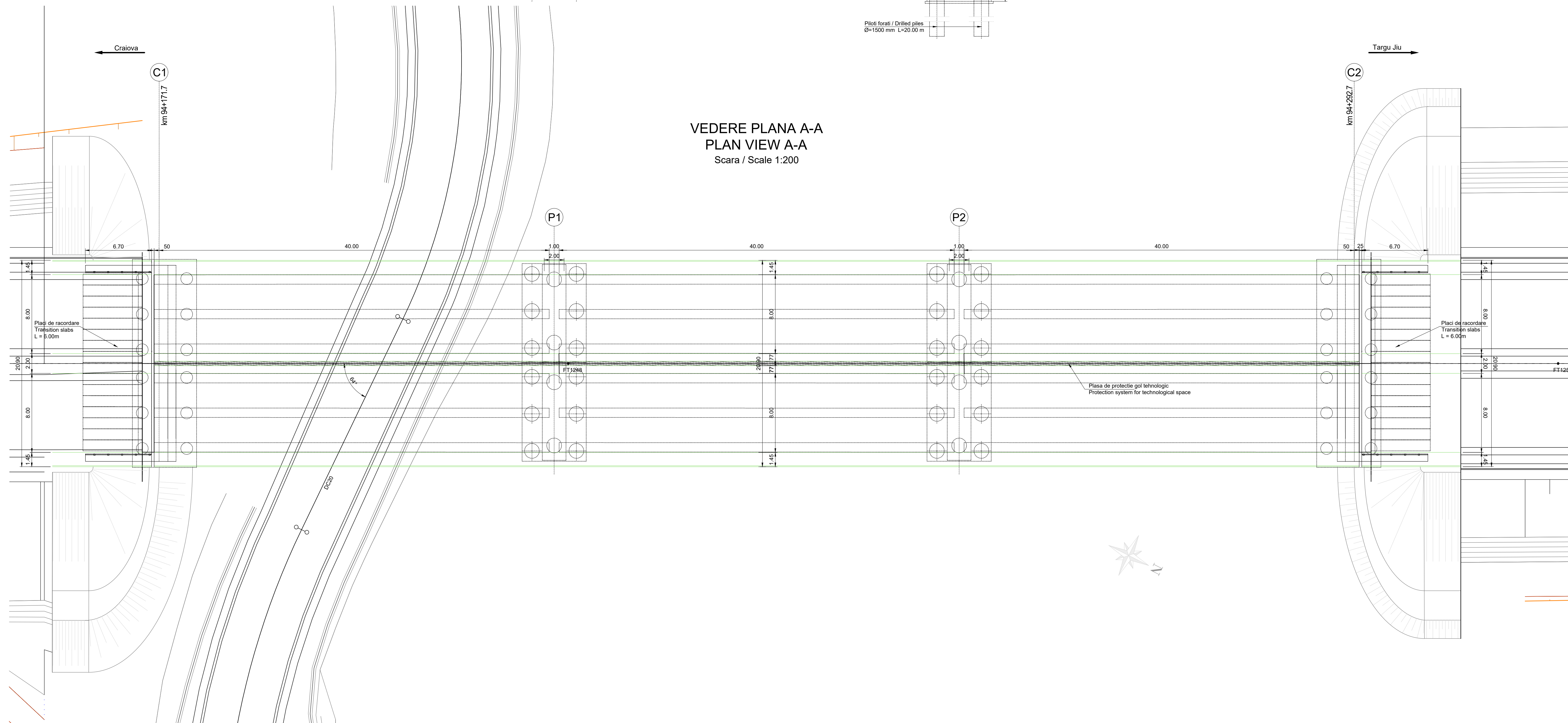
**VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW**
Scara / Scale 1:200



**SECTIUNE TRANSVERSALA CULEE C2
CROSS SECTION ABUTMENT C2**
Scara / Scale 1:100



**VEDERE PLANA A-A
PLAN VIEW A-A**
Scara / Scale 1:200



**SCHEMA STATICA
STATIC SCHEME**

NOTA / NOTE:
Structura se grinda continu
Continuous girder structure

Amplutură de pamant cu piatra.
Pământ fin saCi (CIM)/Argila nisipoasa, cafeie, plastic vârtoasa cu plasticitate mare

Argila prafoasa, galbuie, in amestec cu piatra mic, tare;

Pământ grosier saGr/Pietris si nisip cu foarte slab liant prafo, cenusiu-galbuli, granulozitate neuniforma, cu bolovanis, indesat
- de la 7.50 m saturat.

Pământ fin saCi (CIM)/Argila nisipoasa, cafeiniu-galbuie, plastic vârtoasa cu plasticitate mare, cu concretuni calcaroase
- de la 7.50 m galbuie.

Pământ fin sasiCi (CIM)/Argila prafoasa, galbuie, plastic vârtoasa cu plasticitate mare
- de la 11.70 m Pământ fin siCi (CIM)/Argila prafoasa, cenusie, plastic vârtoasa cu plasticitate mare.

Pământ grosier Sa/Nisip cu foarte slab liant prafo, cenusiu, granulozitate foarte uniforma, cu indesare medie.

Pământ fin saCi (CIV)/Argila grasa, galbuie, cu intercalati maronii-ruginii, plastic vârtoasa cu plasticitate foarte mare

Pământ fin sasiCi (CIL)/Nisip argilos, cenusie, plastic vârtoas cu plasticitate mijlocie, granulozitate neuniforma, cu continut de carbonati
- de la 24.00 m Pământ fin sasiCi (CIL)/Nisip argilos, plastic vârtoas cu plasticitate mijlocie.

Pământ grosier saGr/Pietris si nisip cu foarte slab liant prafo, cenusiu, granulozitate neuniforma, saturat, indesat.

CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloni forati / Drilled piles	C30/37	XC4
Radier / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overstrengthening slab	C35/45	XC1 XD3
Antesala / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinz prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prelabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convoaie de calcul LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorija de importanta: "B"
Grad de seismicitate: "7", conf. SR 11000/1-93
 $a_g=0.15g, T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D
AI

Lifespan: 120 years
Loading convoys LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11000/1-93
 $a_g=0.15g, T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D
AI

Conform recomandarilor Studiului Geotehnic structura este fundamentata indirect pe piloni forati. Diametrul si lungimea pilonilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Passajul va fi echipat cu schele mobile independente pe deschiderile 2 si 3, pe toata latimea sectiunii transversale.

The passage will be equipped with independent mobile scaffolding on spans 2 and 3 across the entire width of the cross section.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativ. Profilele transversale tip se regasesc in volumul de Lucrari de Drum
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

Beneficiar / Client: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

Proiectant / Designer: ASOCIATA / COOPERATION ASSOCIATION SEARCH CORPORATION

Elaborare studiul de fezabilitate si proiect tehnic pentru Autostrada Craiova-Filas si Drum Express Filas-Targu Jiu
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD.

Lucrari de poduri, viaducte si pasaje
BRIDGES, VIADUCTS AND PASSAGES WORKS

Dispozitie Generala
GENERAL LAYOUT
Passaj pe Drum Express
km 94+170 peste DC20 si Vale Varianta 2 / Passage on Express Road PK 94+170 over DC20 and valley 2nd version

Coordonator / PROJECT COORDINATOR: R. THARANI
Proiectant / PROJECT DESIGNER: G. PERCICOLU
Inginer proiectant / DESIGN ENGINEER: G. BARONCEA
Inginer proiectant / DESIGN ENGINEER: M. ANDREI
Verificat intern / INTERNAL CHECKER: A. PRODAN

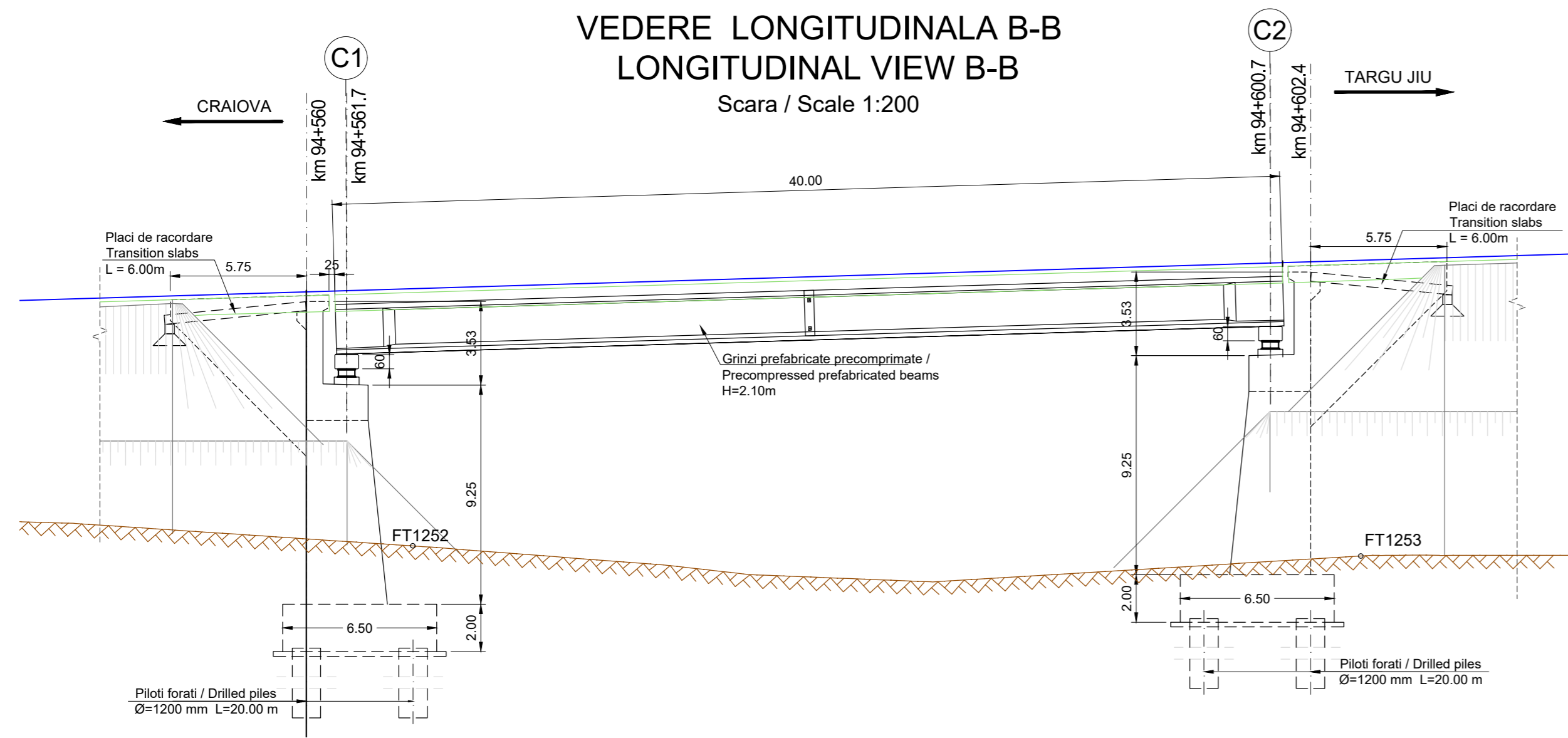
Contract nr. 9022/2019
Date: 19/02/2023
Scale: 1:200

Revisia nr. 0
Date: 19/02/23
Scale: 1:200

Doc. desen: 2279-C17-SF-6-IA-3-03-R_000
Drawing number:

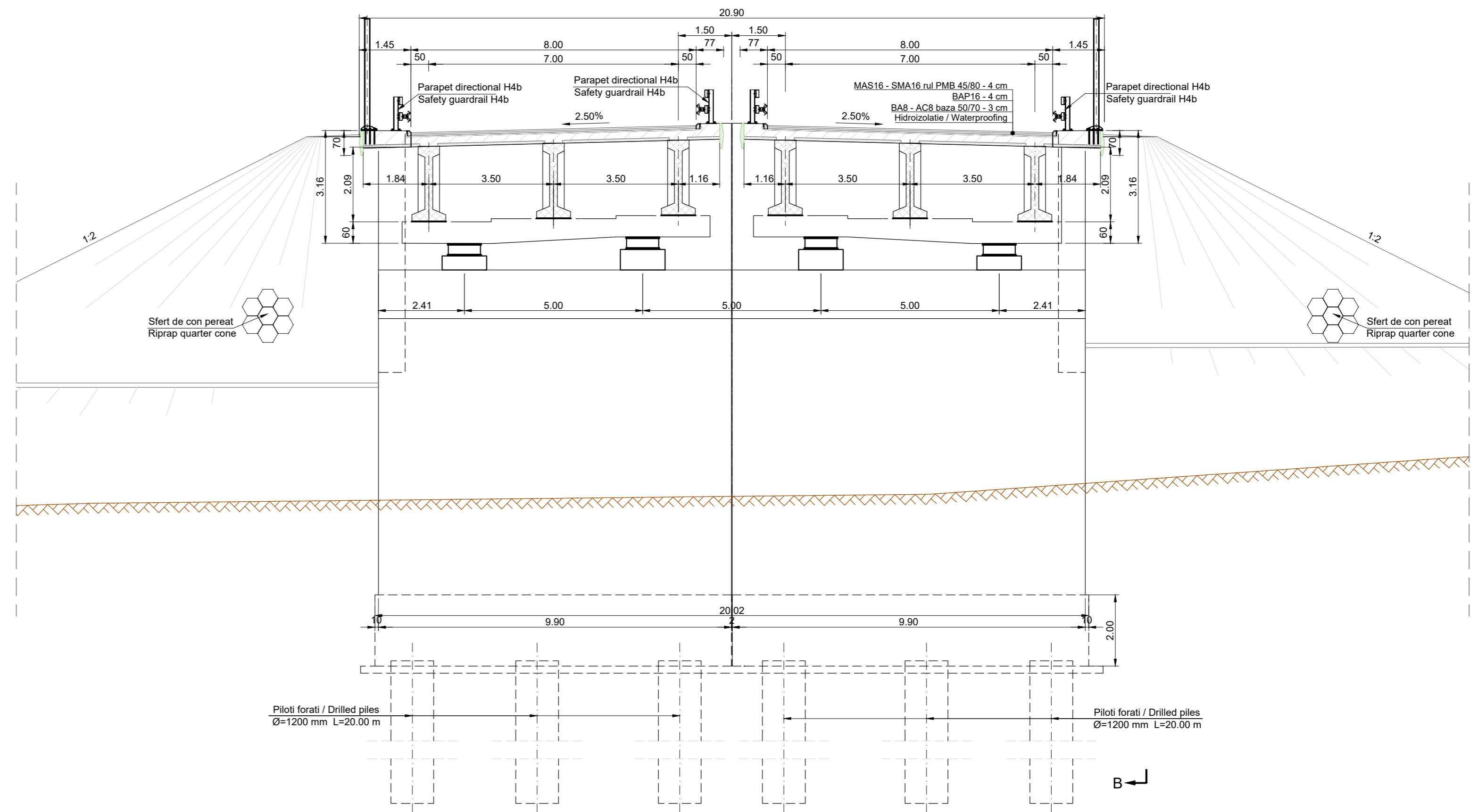
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B

Scara / Scale 1:200



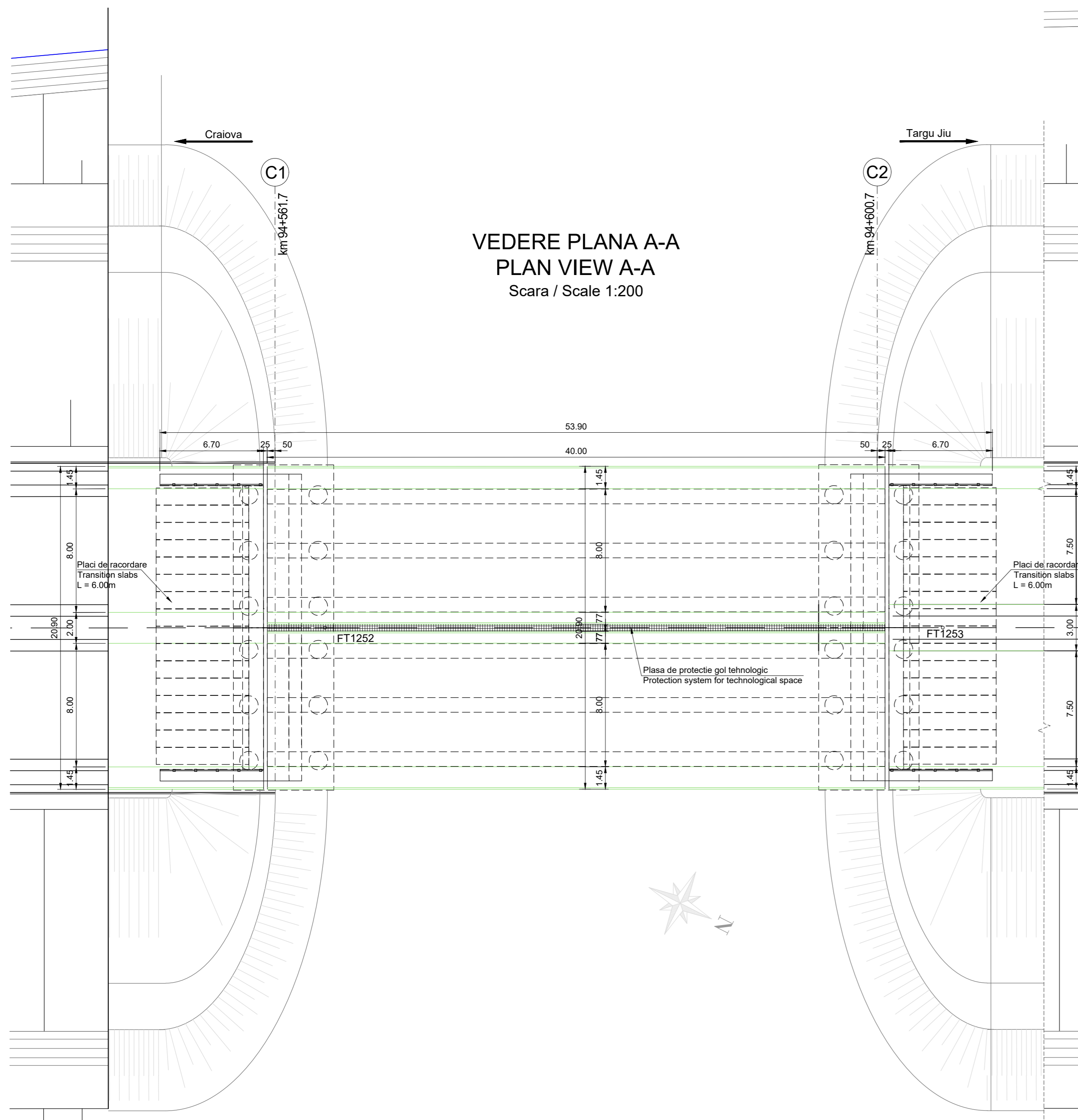
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100

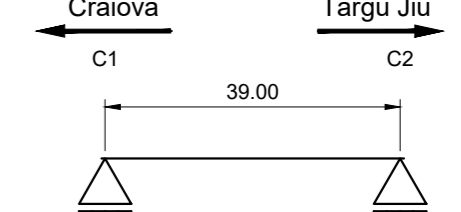


VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200

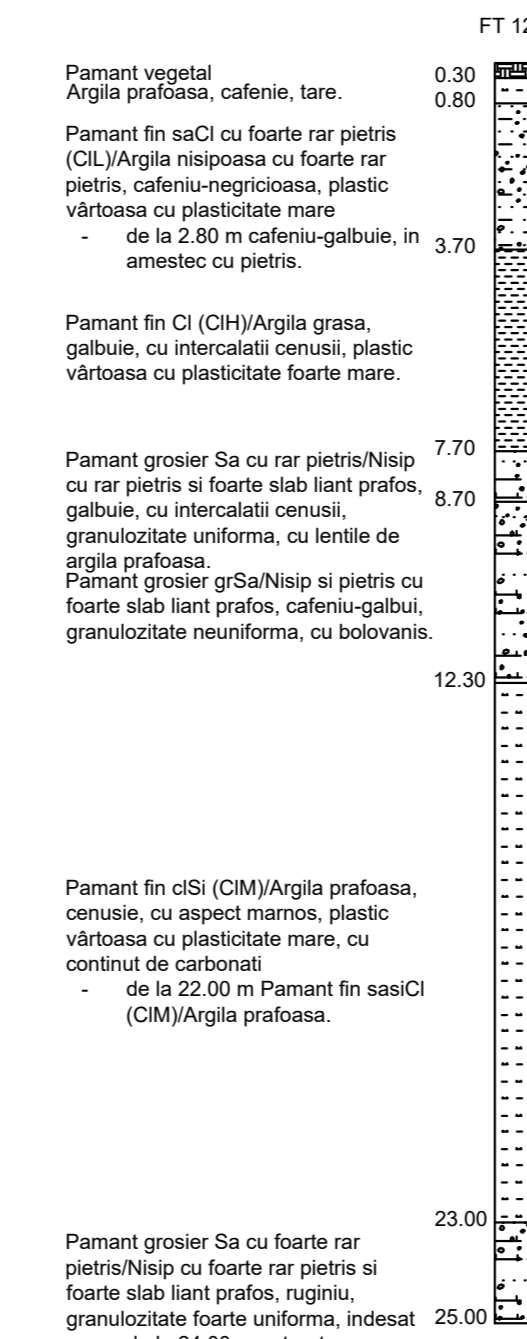


SCHEMA STATICA
STATIC SCHEME



NOTA / NOTE:
Structura pe grinzi simplu rezemate
Simply supported girder structure

CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radier / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabatonare / Overconcreting slab	C35/45	XC1 XD3
Antreloaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prellabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Convlozie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate: "71", conf. SR 11100/1-93 a₀=0.15g, T_c=0.7s acc. P100-1:2013
Exigenta de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convloys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "71", acc. SR 11100/1-93 a₀=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Pasajul va fi echipat cu schele mobile independente pe toata latimea sectiunii transversale.

The passage will be equipped with independent mobile scaffolding across the entire width of the cross section.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIEREA / DESIGNER ASSOCIATION: EGIS ROMANIA SA SEARCH CORPORATION

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRES FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

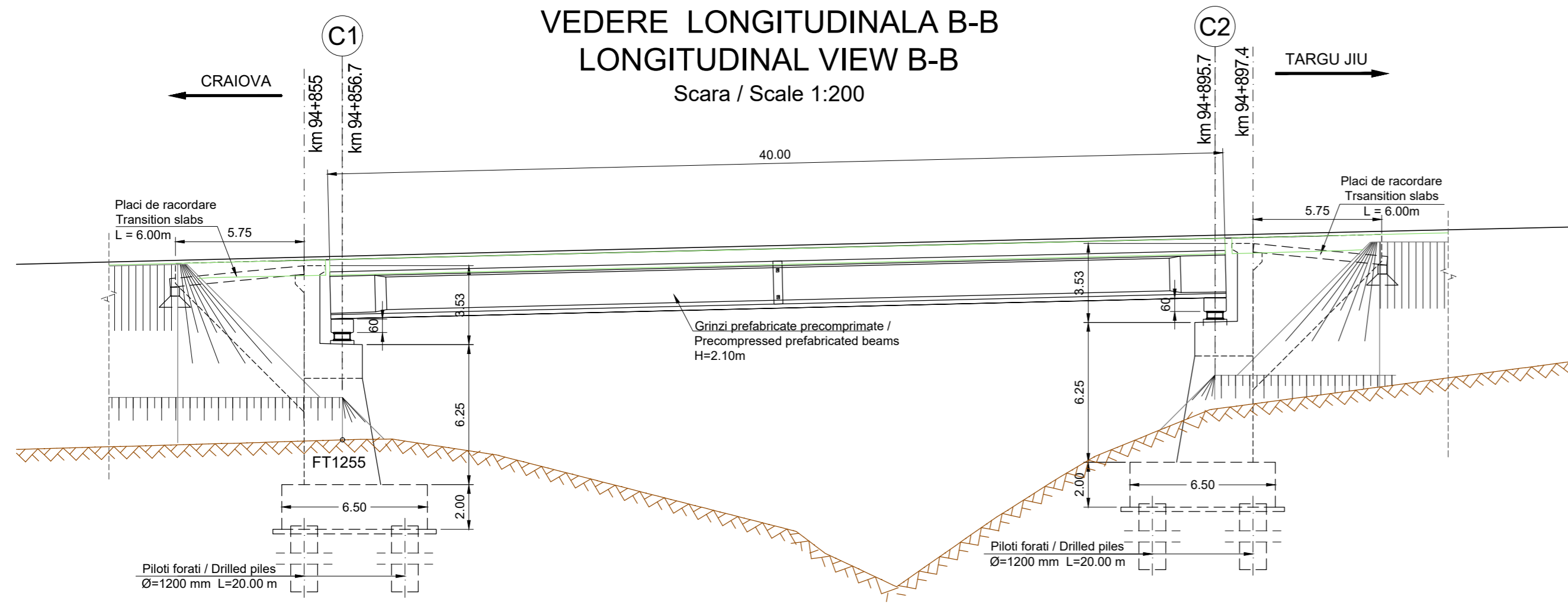
DISPOZITIE GENERALA
GENERAL LAYOUT
Viaduct pe Drum Expres km 94+560 peste Vale / Viaduct on Express Road pk 94+560 over valley

COORDONATOR ADJUNCT DE PROIECT: R. THADANI
COORDONATOR DEPUZI: G. PERICOLLO
INGINER PROIECTANT DE PODURI: G. BARONCEA
INGINER PROIECTANT DE PASAJE: M. ANDREI
VERIFICAT INTERN: A. PRODAN

Contract nr. 22/2579
Contract no. 22/2579
Data: 10/2023
Cod desen: 22579-073-SF-6-LA.3-3.003-S_09.000
Revisia nr. 0
Scale: 1:200 / 1:100
Drawing number:

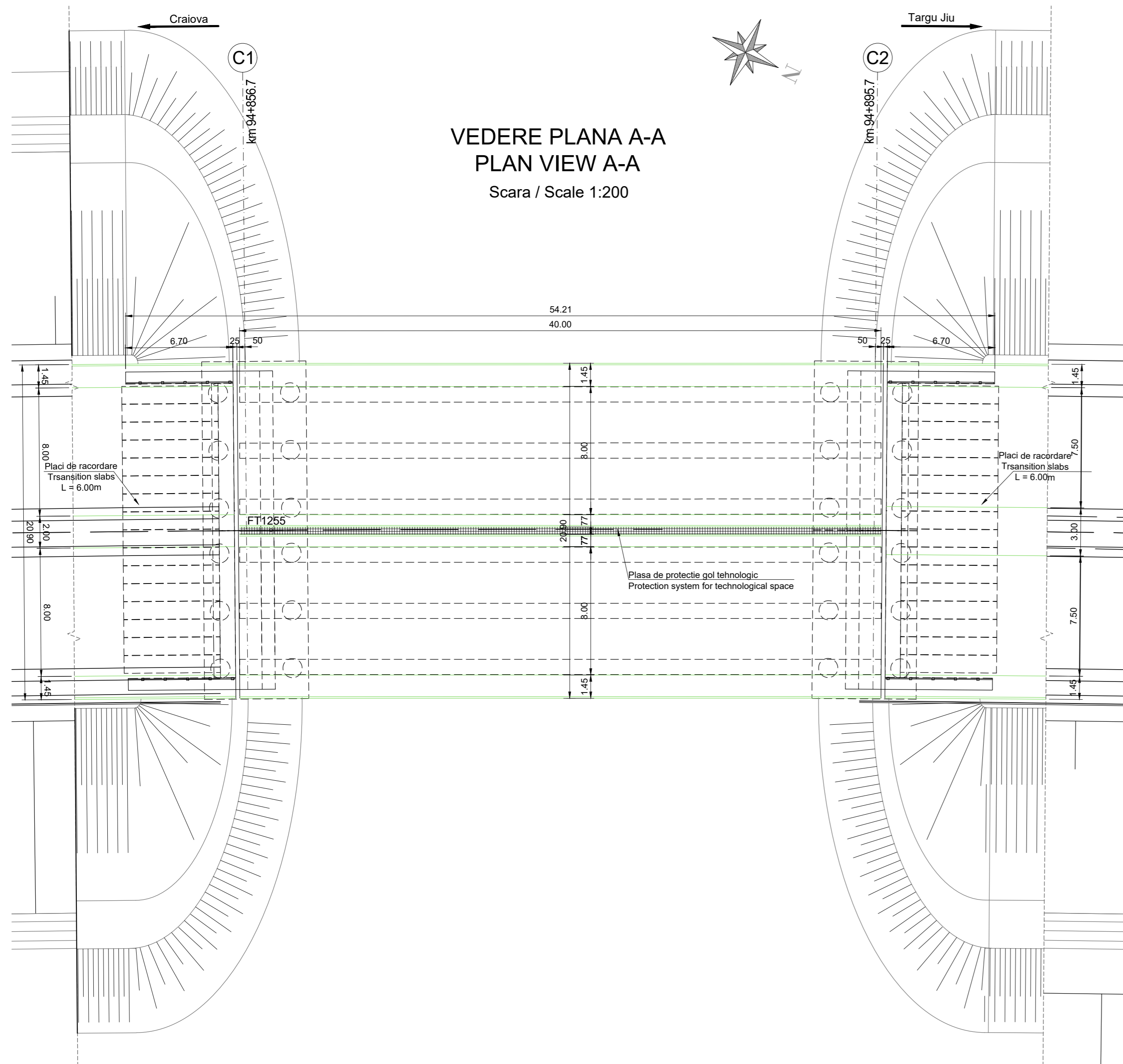
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B

Scara / Scale 1:200



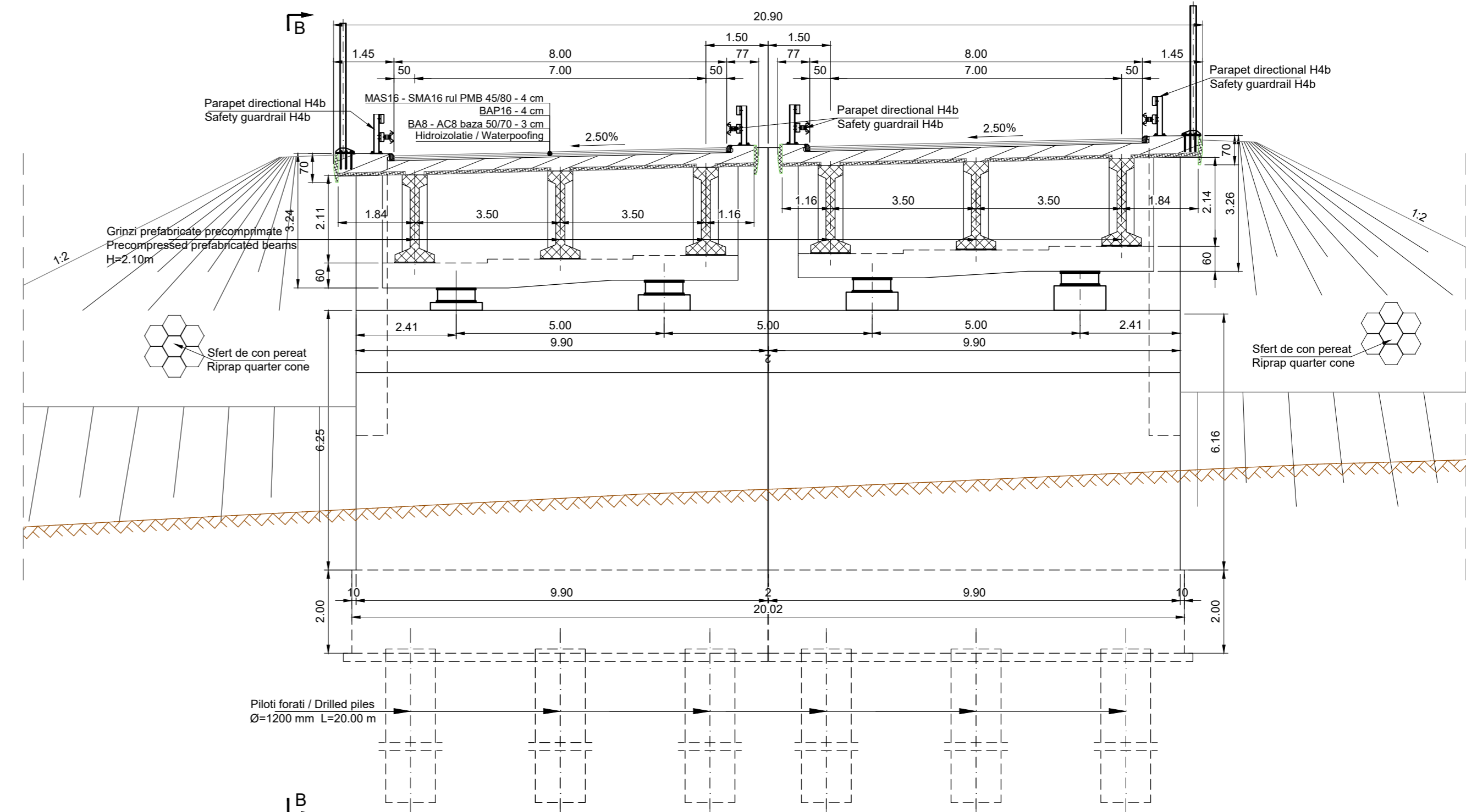
VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200

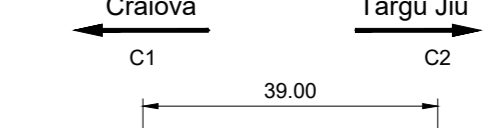


SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100

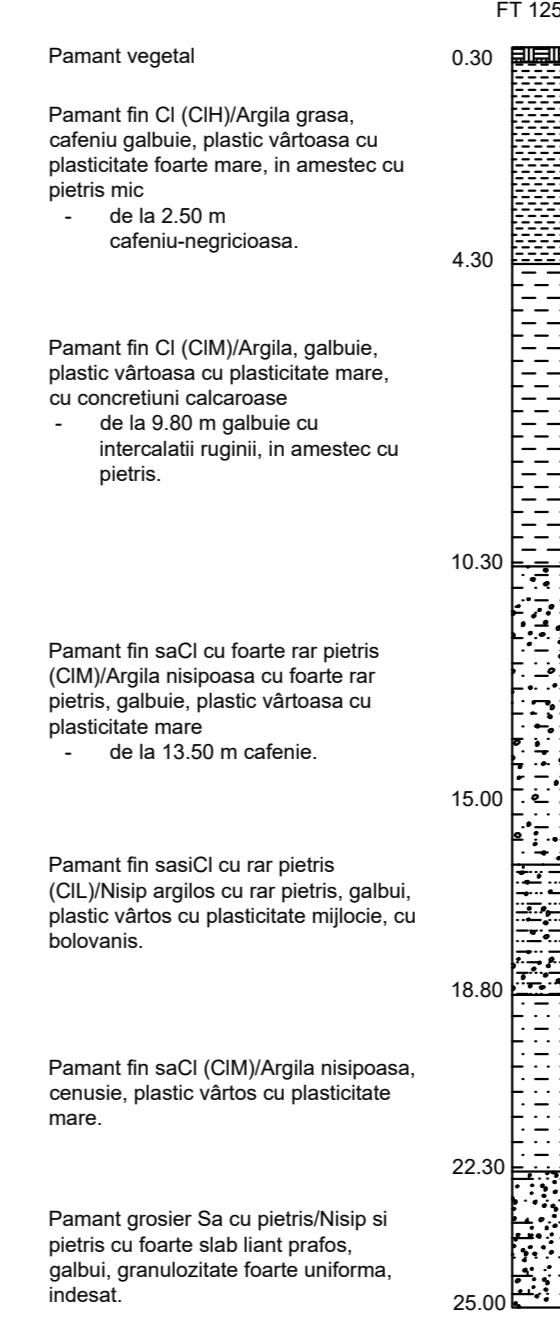


SCHEMA STATICA
STATIC SCHEME



NOTA / NOTE:
Structura pe grinzi simplu rezemate
Simply supported girder structure

CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Convoaie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005
Categororia de importanta: "B"
Grad de seismicitate: "7", conf. SR 11100/1-93
 $a_s=0.15g$, $T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11100/1-93
 $a_s=0.15g$, $T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi finalizate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Rezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatiriri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIAREA / DESIGNER ASSOCIATION: EGIS CORPORATION

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRES FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA
GENERAL LAYOUT
Viaduct pe Drum Expres km 94+855 peste Vale / Viaduct on Express Road pk 94+855 over valley

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLE

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. BARONCEA

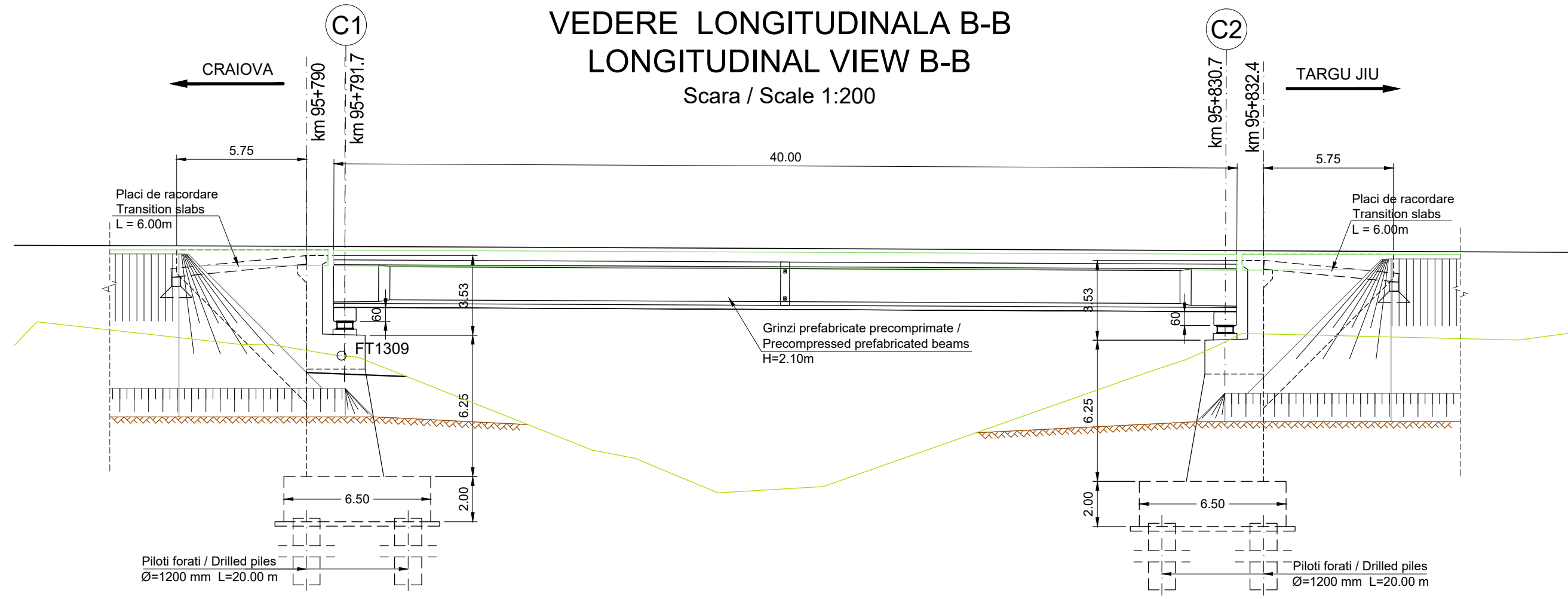
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICAT INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 92/22579
Date: 10/2023
Cod desen: 22579-0713-F-6-A-3-DG-S-10-000

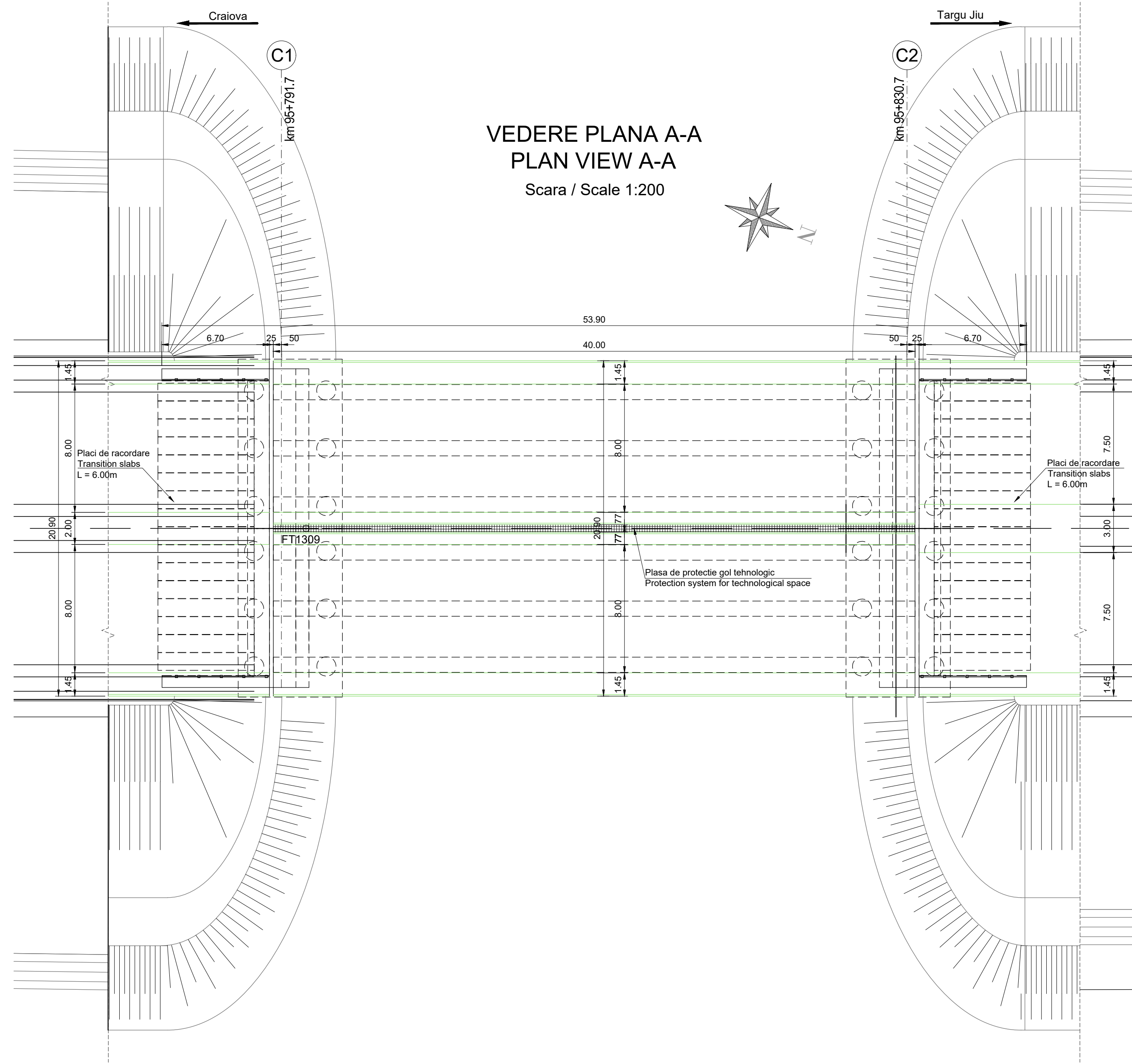
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B

Scara / Scale 1:200



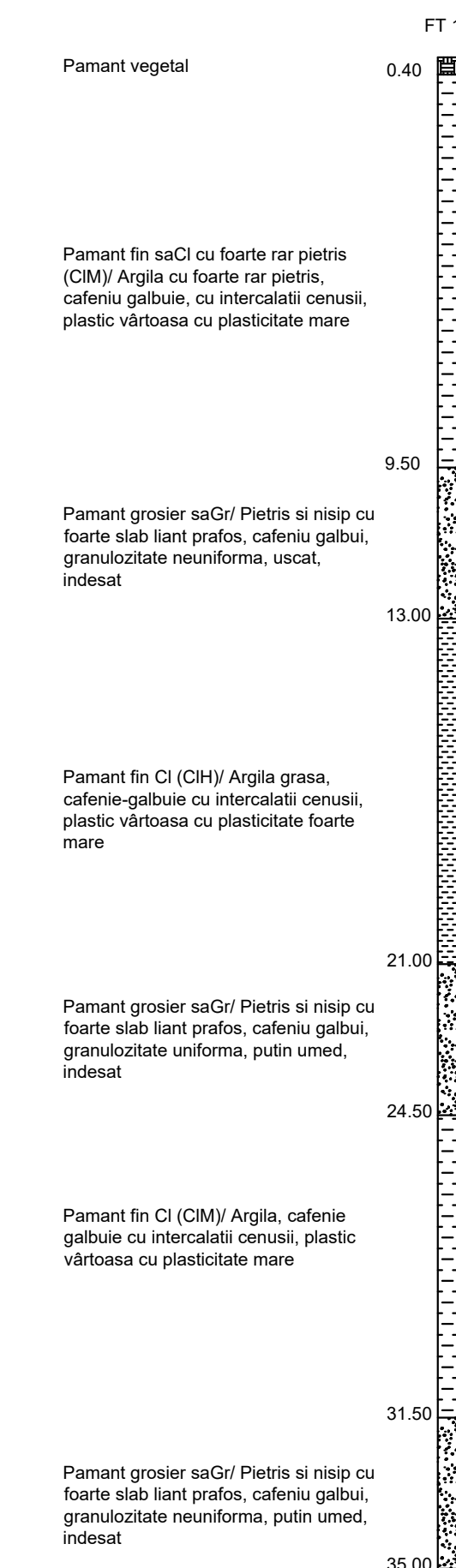
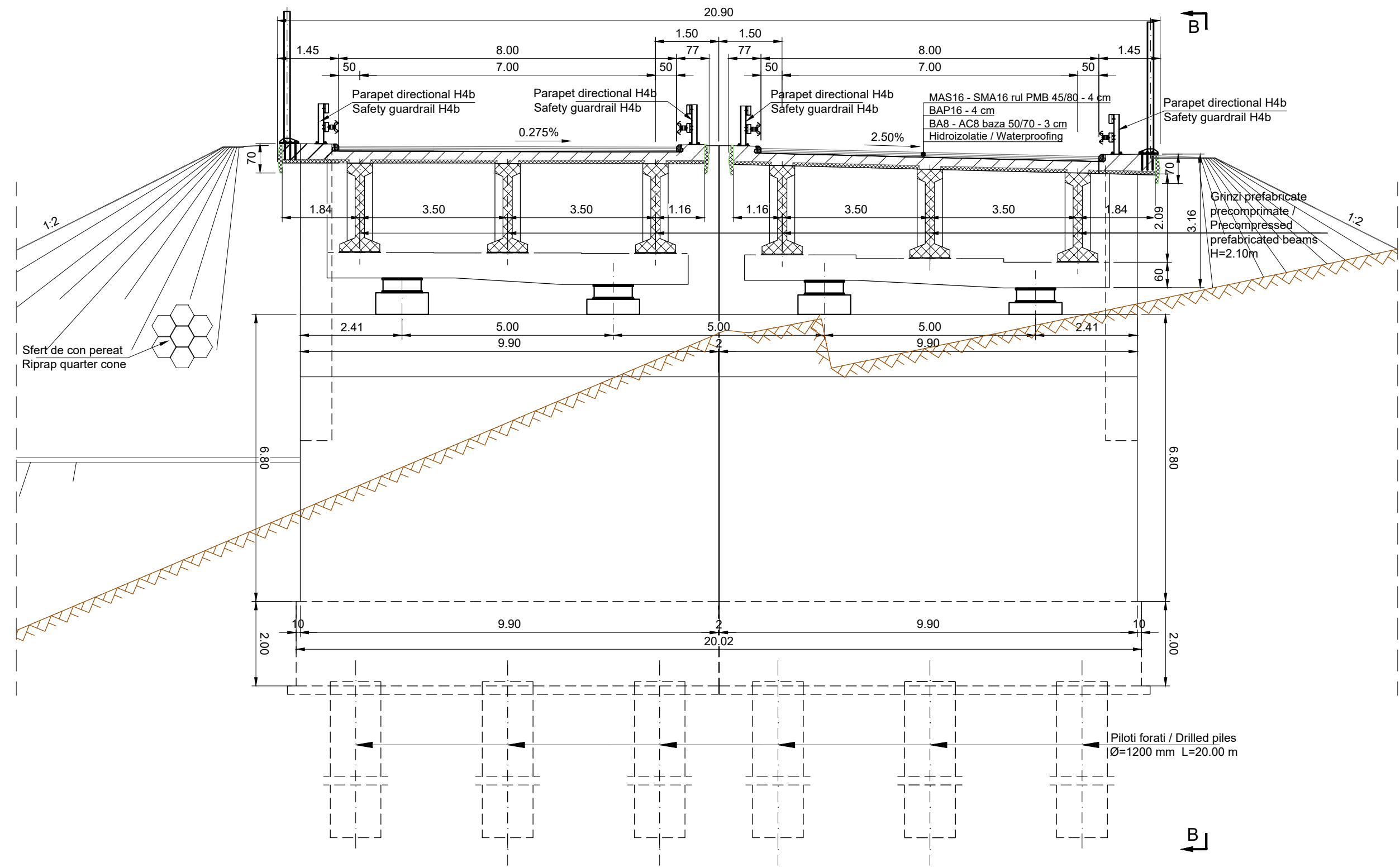
VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200

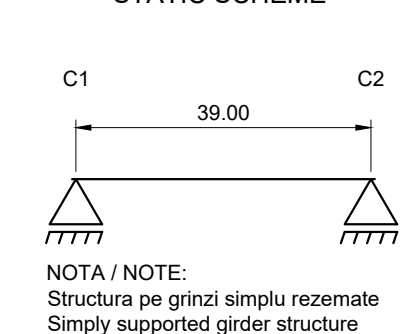


SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100



SCHEMA STATICA
STATIC SCHEME



CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radier / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Anchoreaz / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convoaie de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categoria de importanta: "B"
Grad de seismicitate:
"7", acc. SR 11100/1-93
a_s=0.15g, T_c=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D
Af

Lifespan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
"7", acc. SR 11100/1-93
a_s=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D
Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrii si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIETATE / DESIGNER ASSOCIATION: egis SEARCH CORPORATION

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUMUL EXPRESS FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Viaduct pe Drum Express km 95+790 peste Vale / Viaduct on Express Road pk 95+790 over valley

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLU

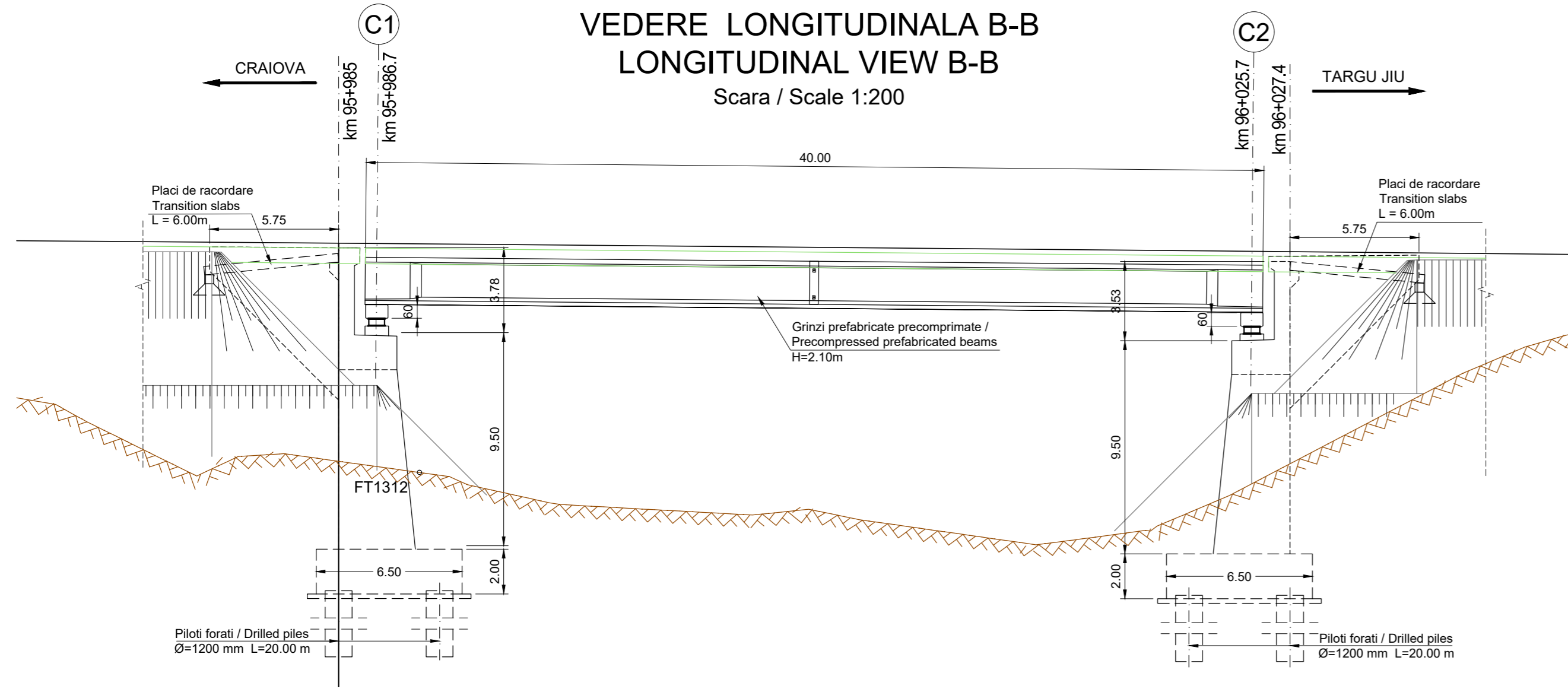
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. BARONCEA

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: M. ANDREI

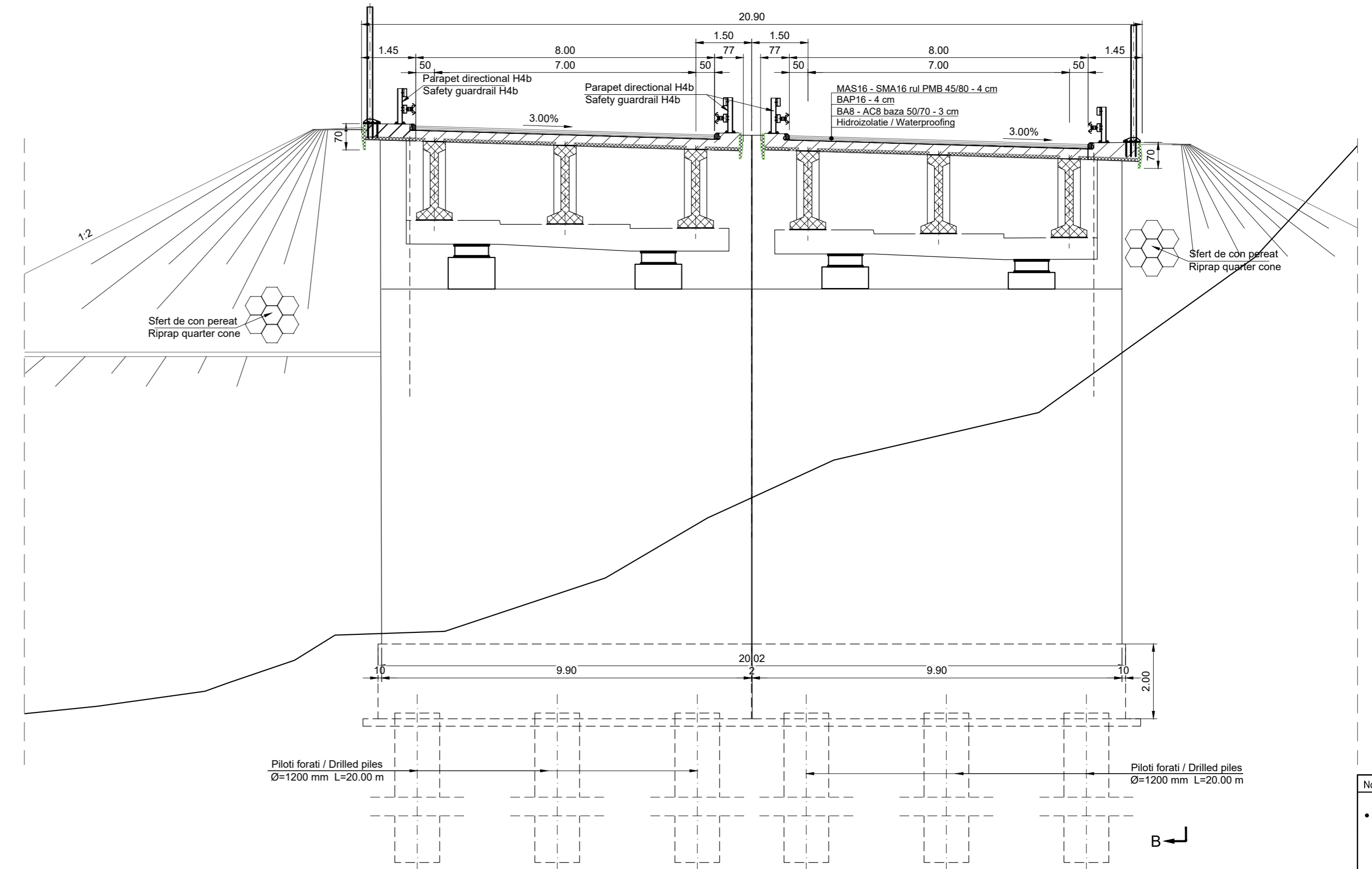
VERIFICAT INTERN / INTERNAL CHECKER: A. PRODAN

Contract no. 92/22579
Date: 10/2023
Cod desen: 22579-C1J-SF-6A-3.3-DG-S_11-R00

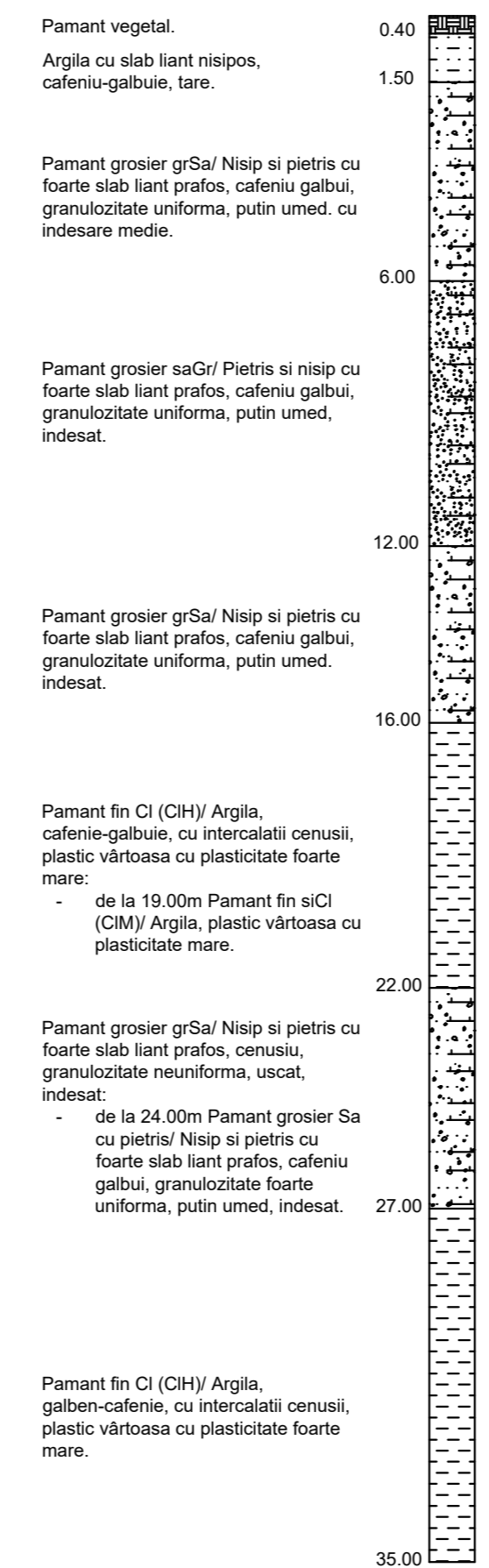
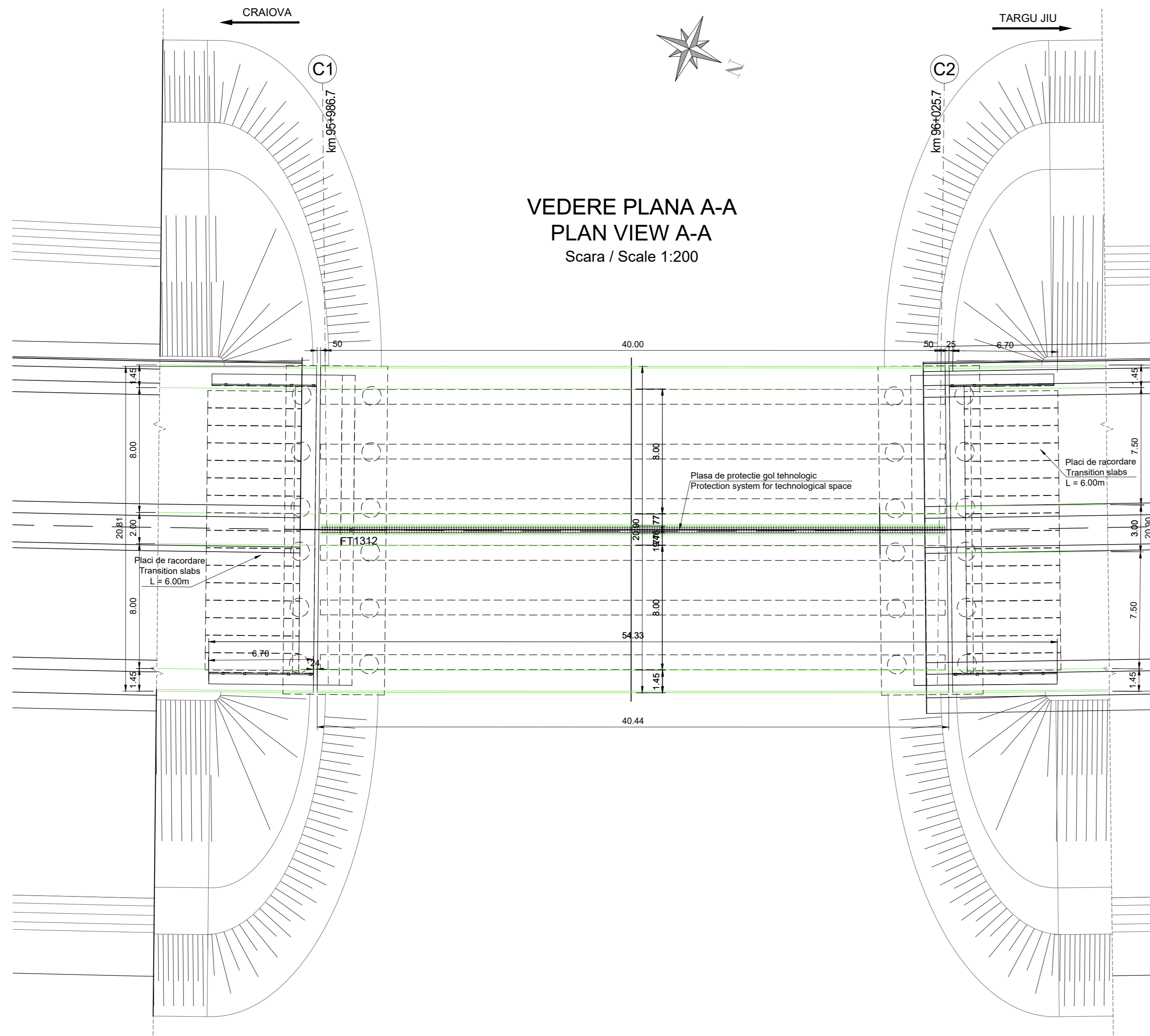
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:200



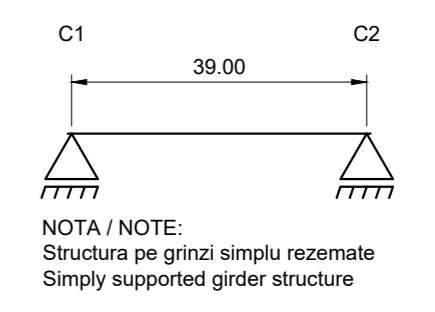
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:200



SCHEMA STATICA
STATIC SCHEME



NOTA / NOTE:
Structura pe grinzi simplu rezemate
Simply supported girder structure

CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Levelling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antreloaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convloae de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate: "7", conf. SR 11100/1-93 a_s=0.15g, T_c=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11100/1-93 a_s=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrii si lungimea pilotilor vor fi finalizati in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Pasajul va fi echipat cu schele mobile independente pe toata latimea sectiunii transversale.
The passage will be equipped with independent mobile scaffolding across the entire width of the cross section.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII ROTARE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PRODUCATOR / ASSOCIATION / DESIGNER ASSOCIATION: EGIS ROMANIA SA SEARCH CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILASII SI DRUMUL EXPRES FILASII-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILASII MOTORWAY AND FILASII-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT Viaduct pe Drum Expres km 95+985 peste Vale / Viaduct on Express Road pk 95+985 over valley

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: G. PERICOLU

INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: G. BARONCEA

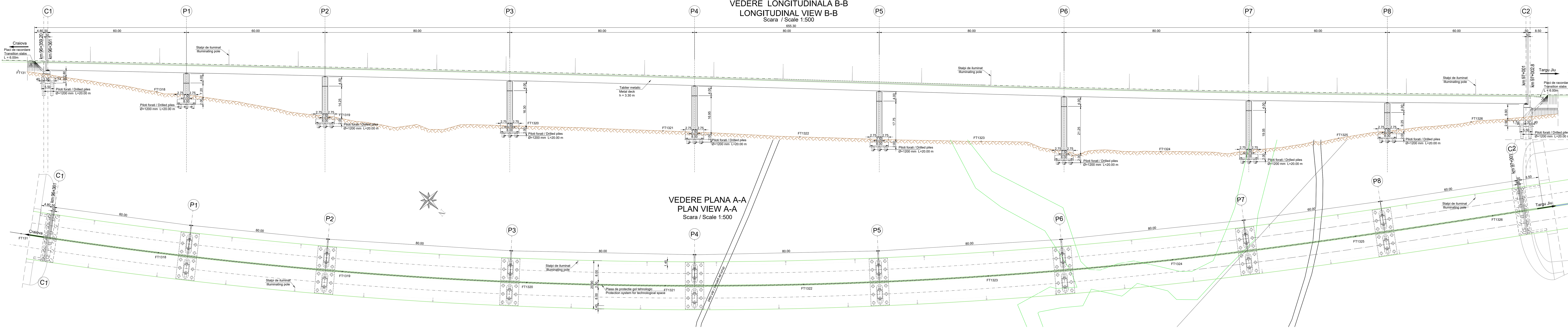
INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICAT INTERN INTERNAL CHECKER: A. PRODAN

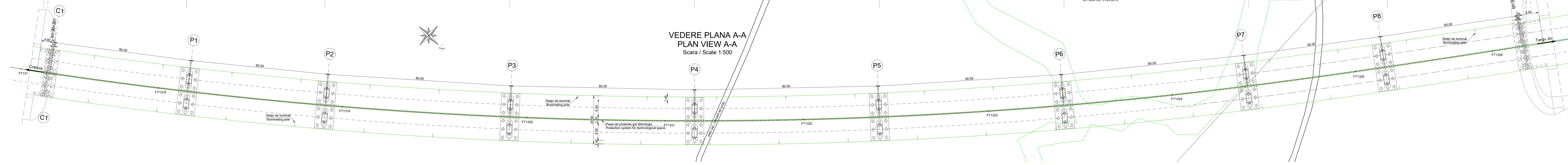
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Date: 10/2023
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Revizii nr. 0
Scale: 1:200 / 1:100
Drawing number:

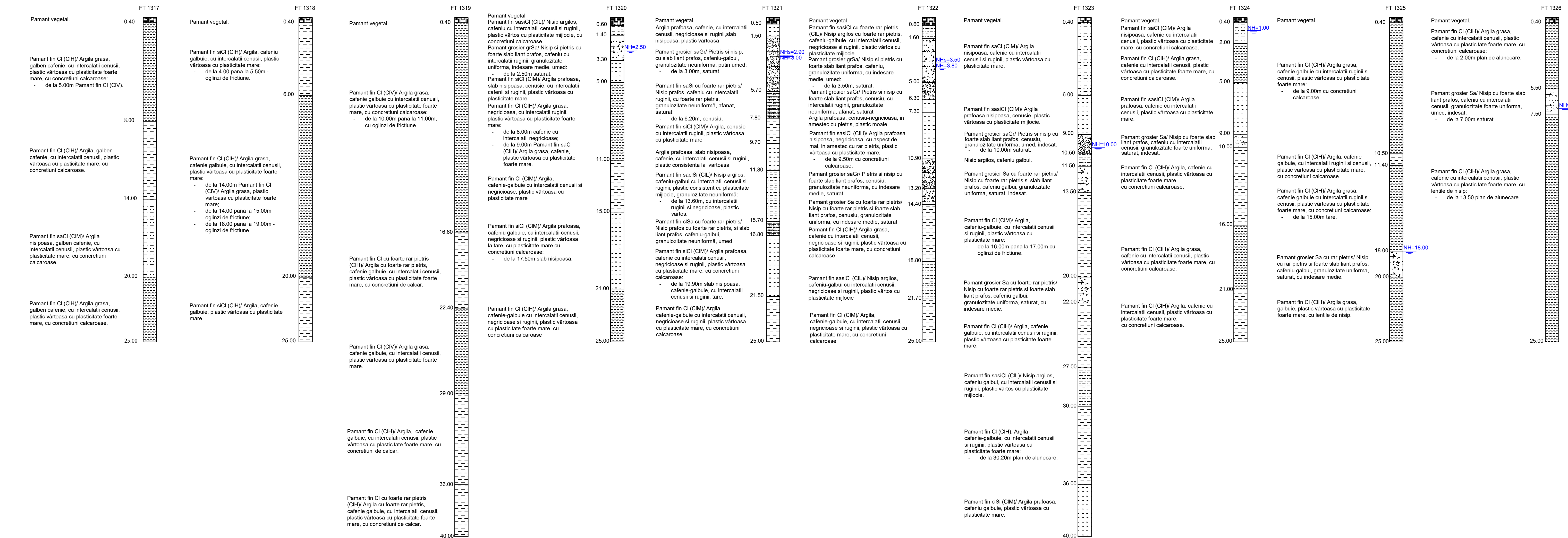
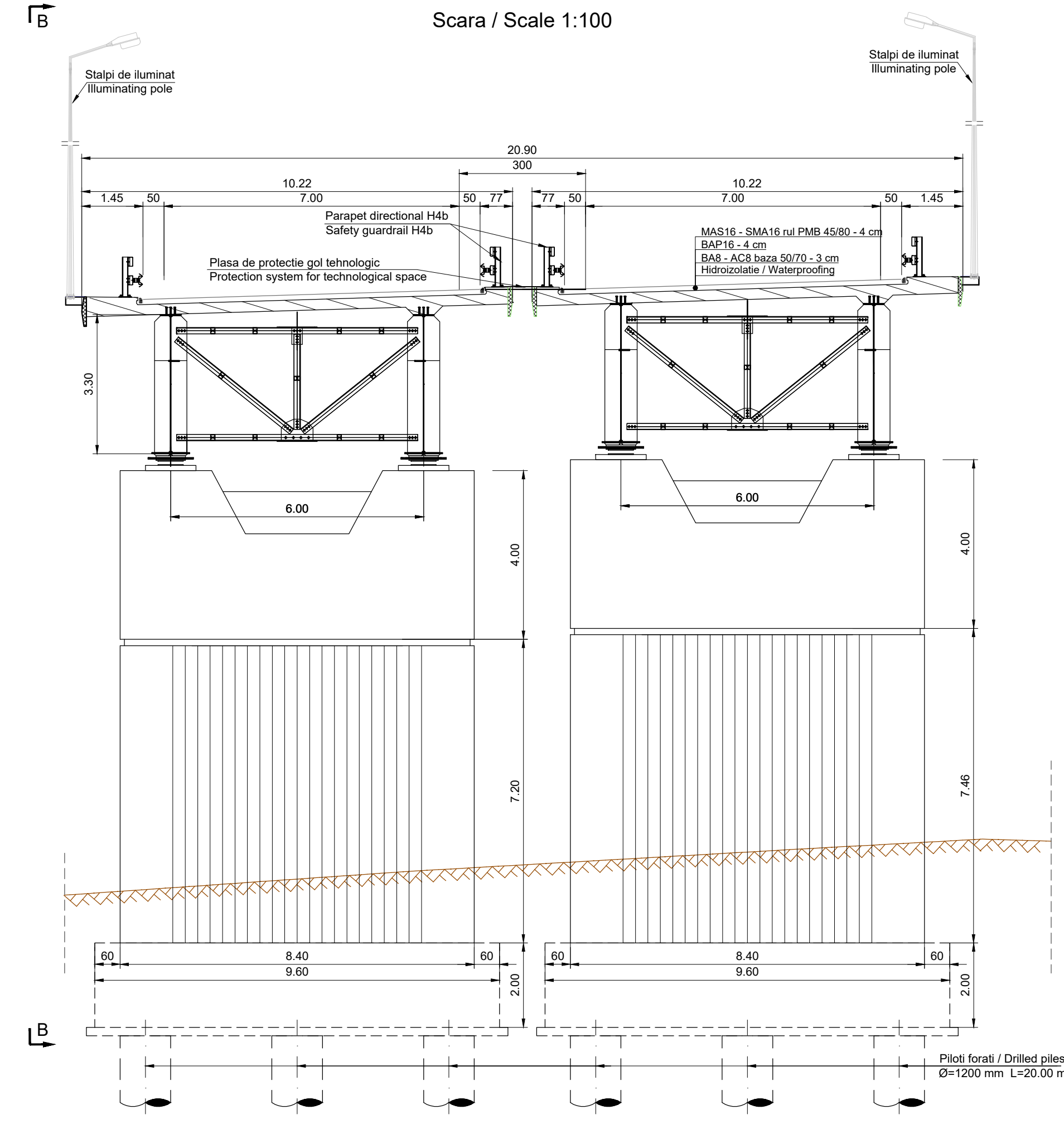
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B
Scara / Scale 1:500



VEDERE PLANA A-A
PLAN VIEW A-A
Scara / Scale 1:500



SECTIUNE TRANSVERSALA PILA P1
CROSS SECTION PIER P1
Scara / Scale 1:100



**CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY**

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Pilaie forate / Drilled piles	C30/37	XC4
Razdare / Foundations	C35/45	XC4
Elavati / Elevations	C35/45	XC4 XD3 XF4
Placa de suspinare / Churning/sieving slab	C35/45	XC1 XD3
Antrebrze / Cross beams	C35/45	XC1 XD3
Pereti / Riprap	C30/37	XC4 XF2
Fondatii perimetru / Riprap foundations	C30/37	XC4
Alpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzii prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Prizbe / Precasts	C35/45	XC3 XF1 XF3

**DISPOZITIE GENERALA
GENERAL LAYOUT**

Valea / Le Drom Express
km 99+359 peste Vale /
Viaduct on Express Road
pk 96+359 over valley

Durata de viata: 120 ani
Consoasa de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
7 - conf. SR 111001-93
a₀=0.15g, T=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D, Af

LifeSpan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
7 - acc. SR 111001-93
a₀=0.15g, T=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D, Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe pilaie forate. Diametrii si lungimea pilor vor fi definitivati in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Passajul va fi echipat cu schele mobile independente pe toate deschiderile si pe toata latimea sectiunii transversale.

The passage will be equipped with independent mobile scaffolding on all spans and across the entire width of the cross section.



NOTA / NOTE:
Structura pe grinzii continue
Continuous girder structure

Notes:

- Reprezentarea profilului de Autostrada / Drom Express / drum este informativa. Profilele topografice tip se gasesc in volumul de Lucrari de Drum.
- Descrierea tehnica a lucrului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

COORDONATOR GENERAL
ING. TRAIAN
ING. TRAIAN
ING. TRAIAN

PROIECTANT
ING. TRAIAN
ING. TRAIAN
ING. TRAIAN

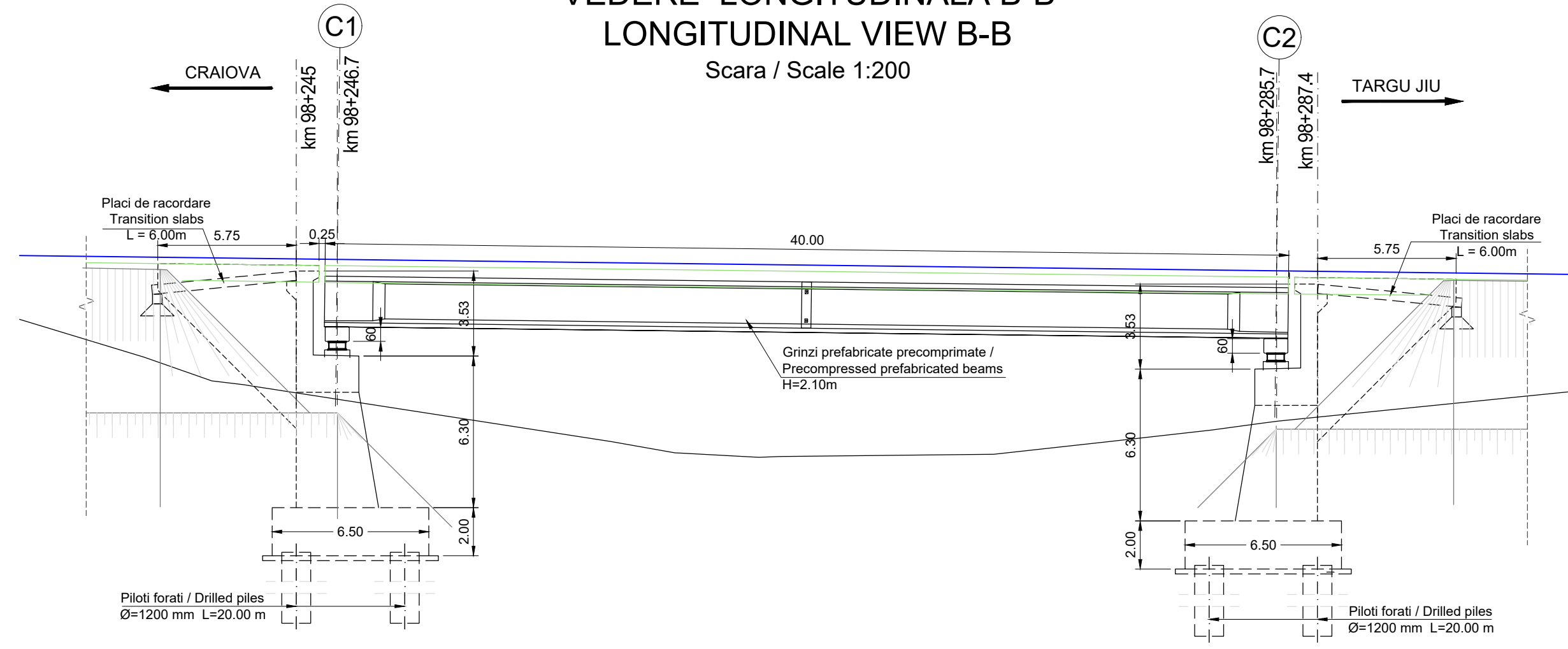
VERIFICATOR
ING. TRAIAN
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ING. TRAIAN

REVISOR
ING. TRAIAN
ING. TRAIAN
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DATE
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Cod proiect: 2259-DT-PA-PA-3.3.0.5.13.00
Desen: 00000

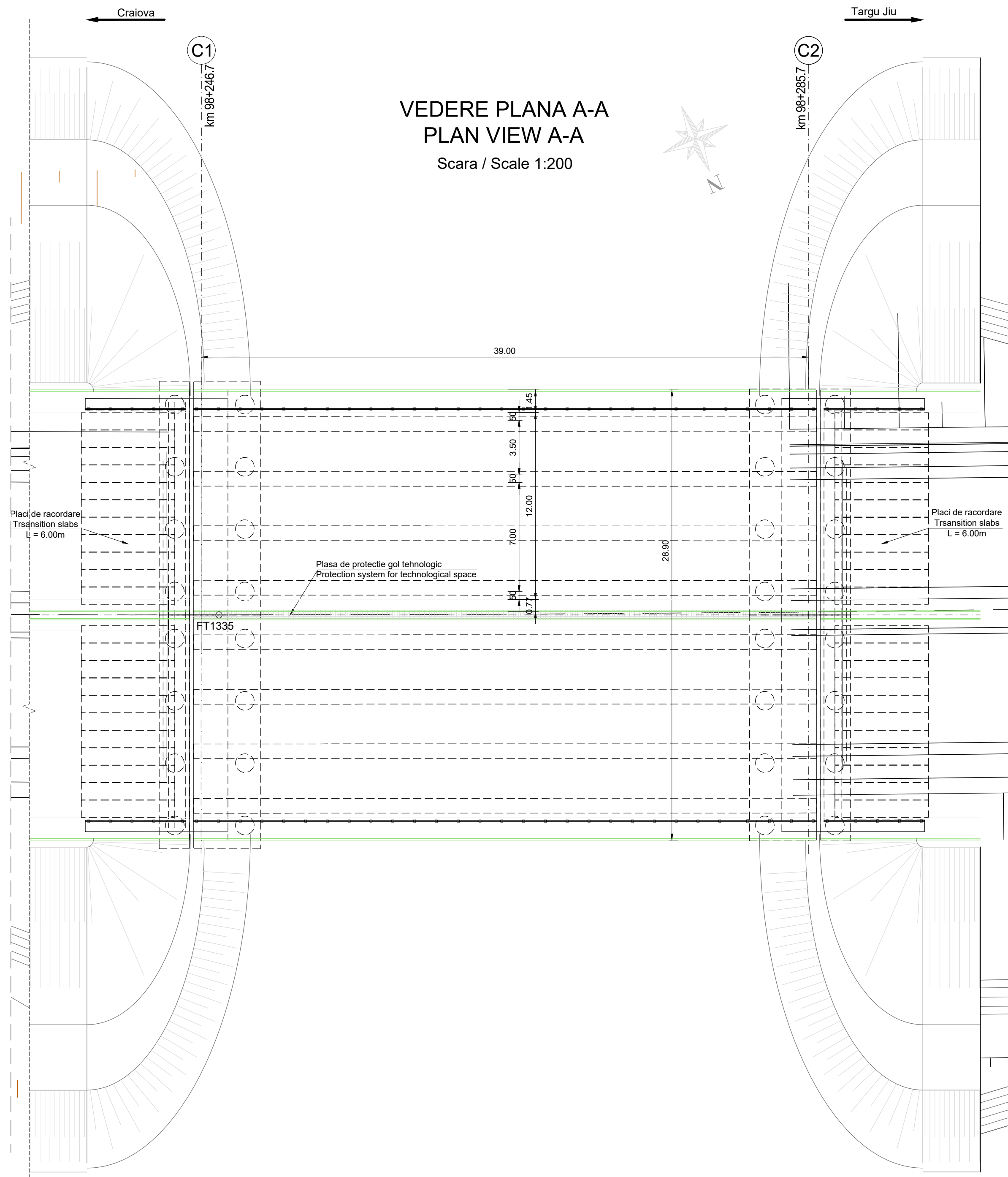
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B

Scara / Scale 1:200



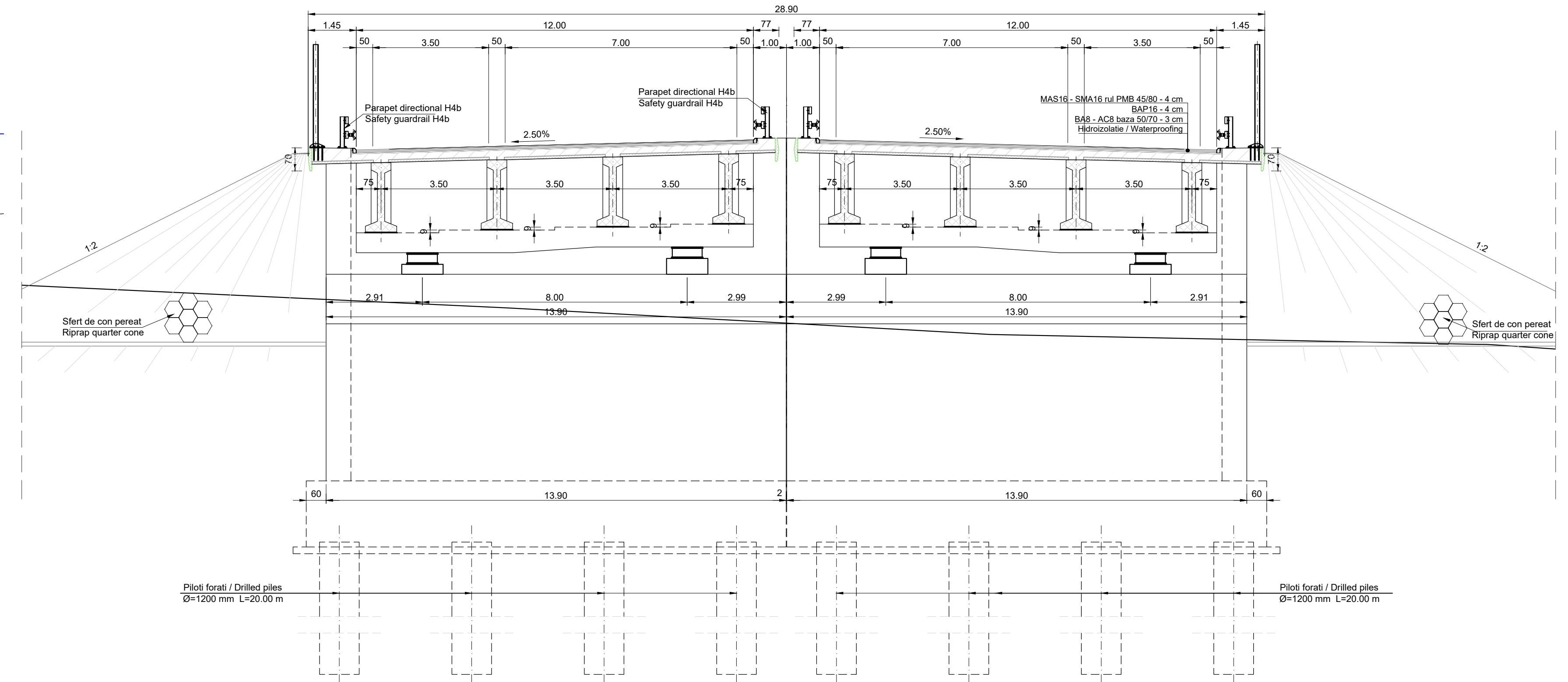
VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200

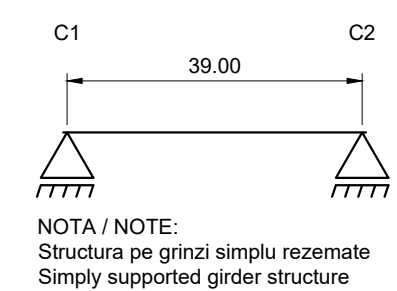


SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100

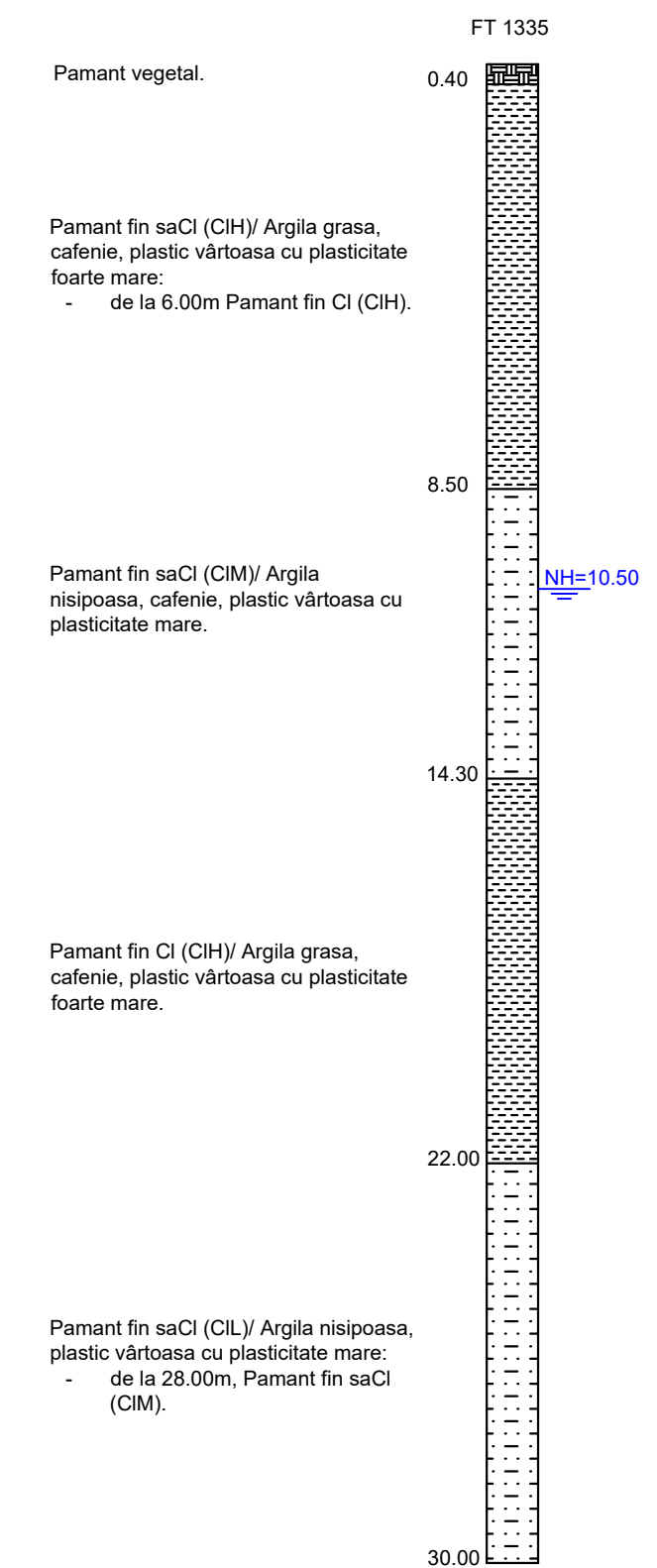


SCHEMA STATICA
STATIC SCHEME



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Anpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Convoaie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005
Categoria de importanta: "B"
Grad de seismicitate: "7", conf. SR 11100/1-93
 $a_s=0.15g, T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11100/1-93
 $a_s=0.15g, T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIEREA / DESIGNER ASSOCIATION: egis SEARCH CORPORATION

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRESS FILIASI-TARGU JIU

PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT Viaduct pe Drum Express km 98+245 peste Vale / Viaduct on Express Road pk 98+245 over valley

COORDONATOR ADUNCT DE PROIECT PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: G. PERICOLO

INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: G. BARONCEA

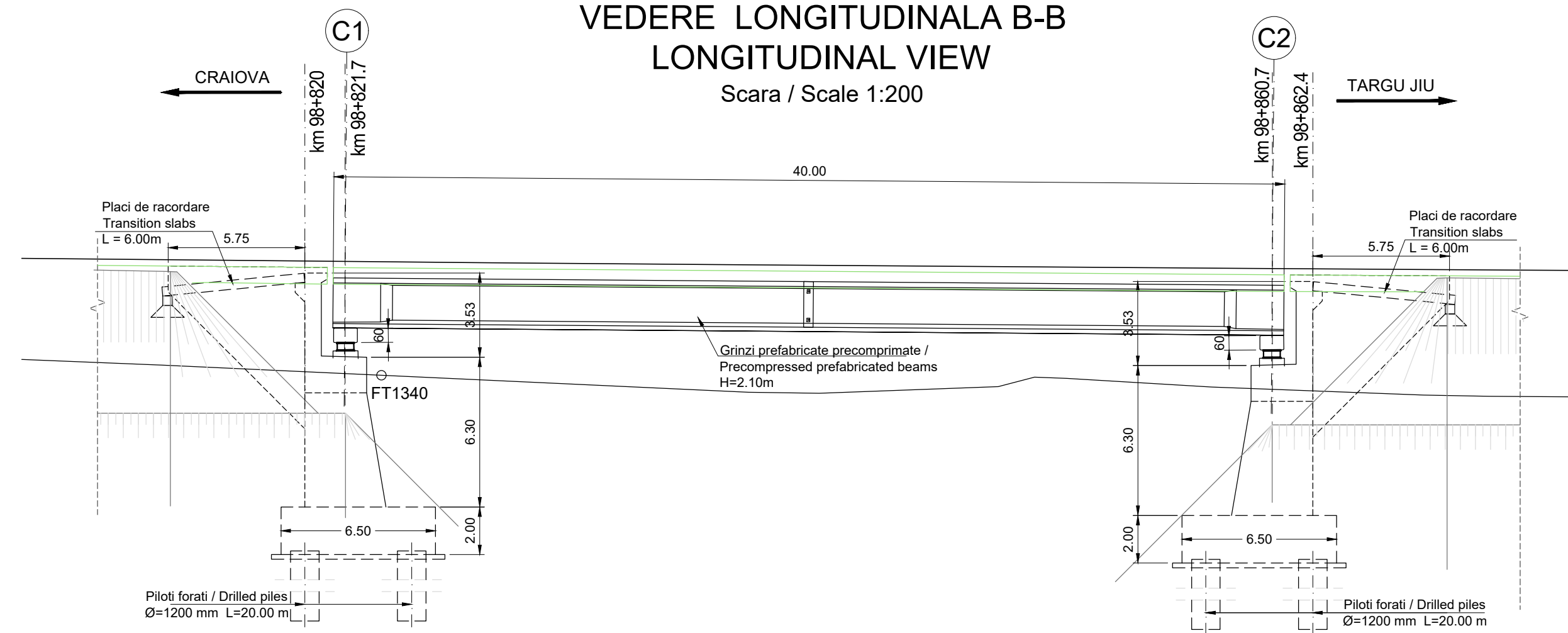
INGINER PROIECTANT DE PODURI BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICAT INTERN INTERNAL CHECKER: A. PRODAN

Contract nr. 92/2579/2023
Data: 10/2023
Cod desen: 22579-CTJAF-6-LA3.3.03-S_14-800
Revisia nr. 0
Scale: 1:200 / 1:100
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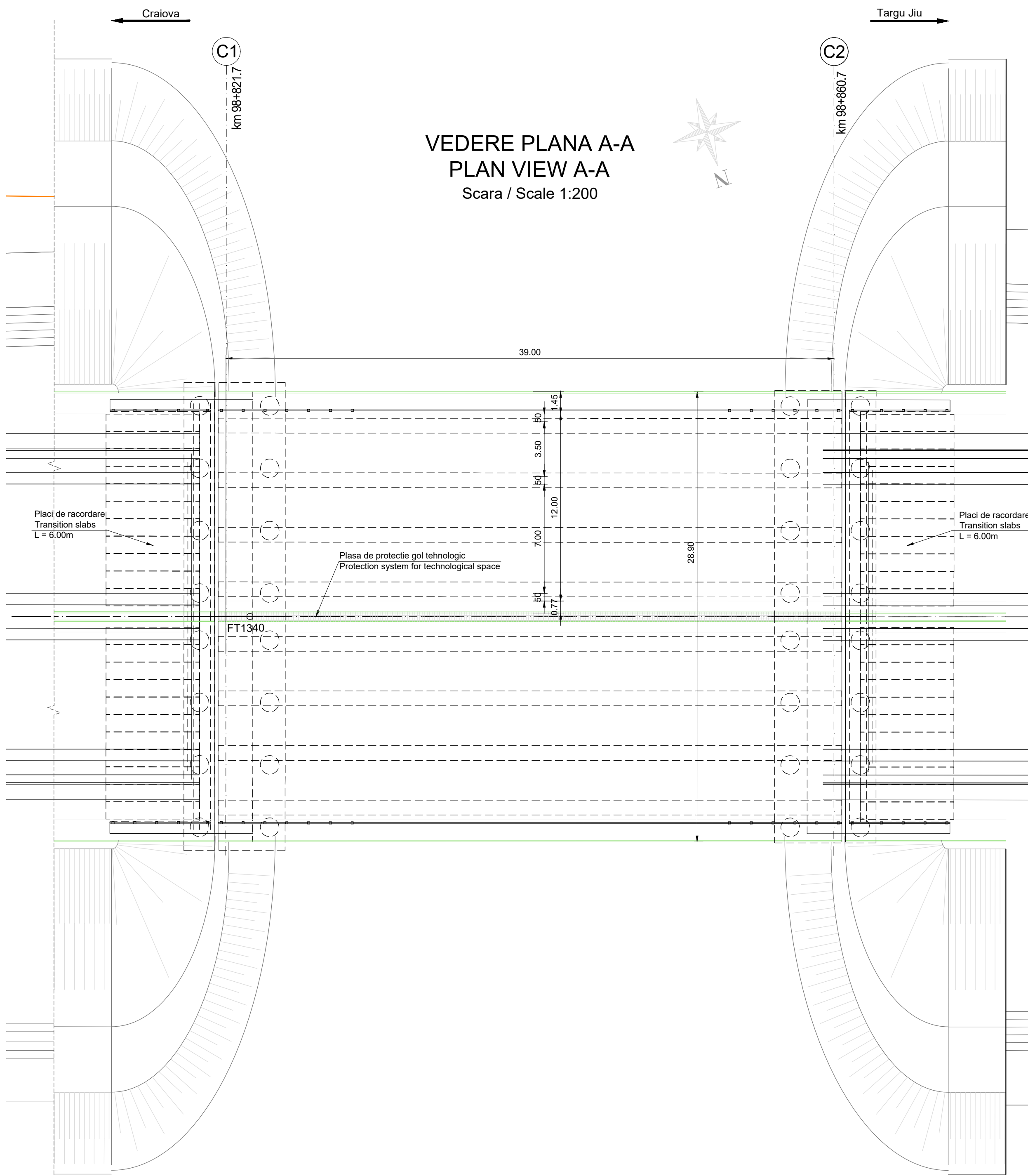
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW

Scara / Scale 1:200



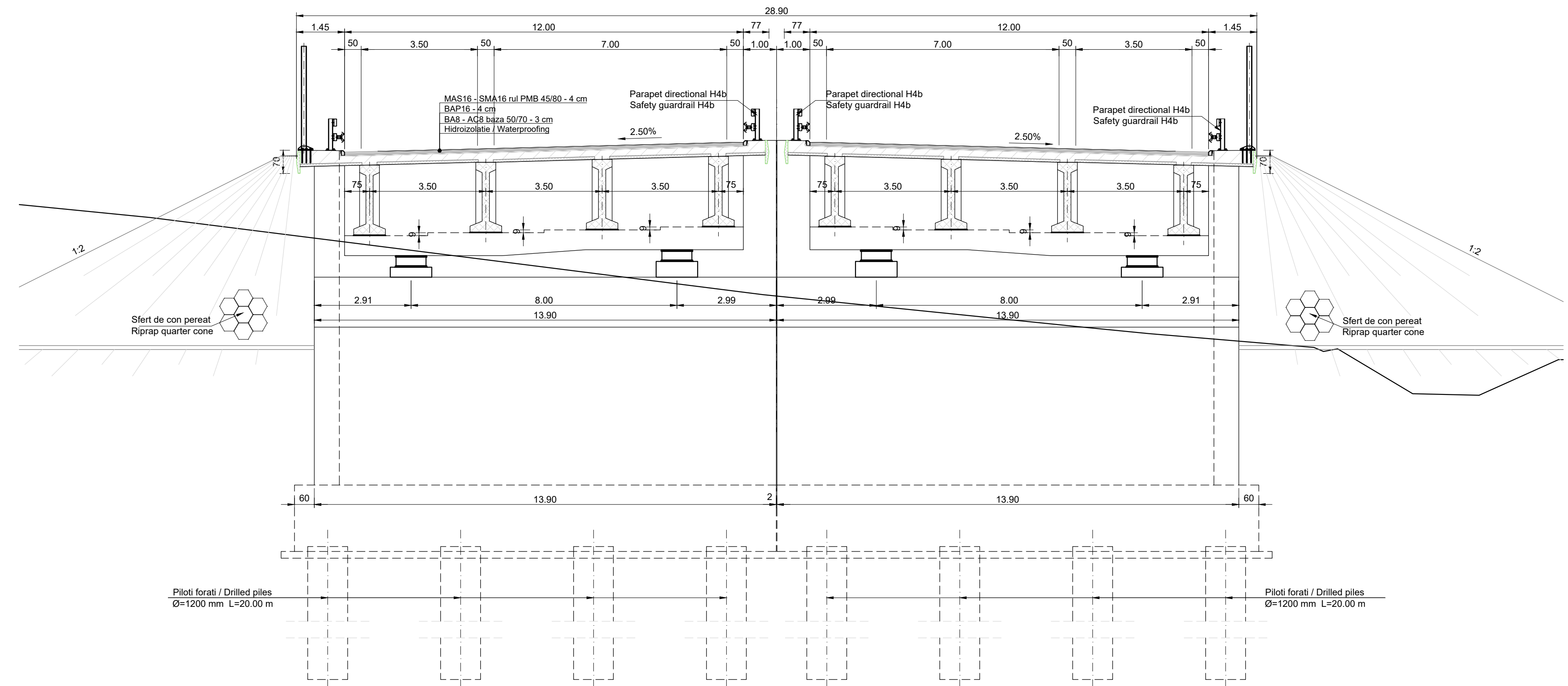
VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200



SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100



Pământ vegetal.

Pământ fin saCI (CIM) Argila profoasa, cafeie galbuie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare.

Pământ fin saCI cu foarte rar pietris (CIM) Argila nisipoasa cu foarte rar pietris, cafeie galbuie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare.

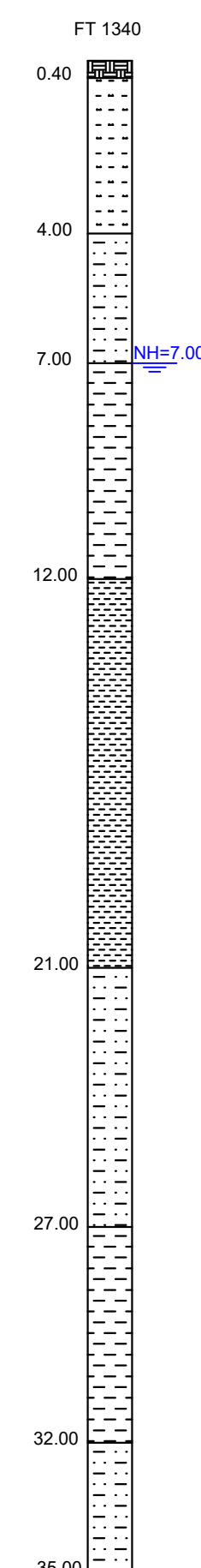
Pământ fin CI (CIM) Argila, cafeie galbuie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare.

Pământ fin CI (CIH) Argila grasa, cafeie galbuie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate foarte mare: - de la 14.00m cu lentile de nisip saturat.

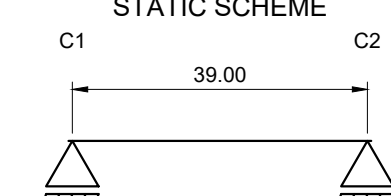
Pământ fin saCI (CIM) Argila nisipoasa, galbuie cafeie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare: - de la 23.00m cu elemente de pietris.

Pământ fin saCI (CIM) Argila, galbuie cafeie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare.

Pământ fin saCI (CIM) Argila nisipoasa, galbuie cafeie, cu intercalatii cenusii si ruginii, plastic vartoasa cu plasticitate mare.



SCHEMA STATICA
STATIC SCHEME



NOTA / NOTE:
Structura pe grinzii simplu rezemate
Simply supported girder structure

CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereți / Riprap	C30/37	XC4 XF2
Fundatii pereți / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzii prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convoaie de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
"7", conf. SR 11100/1-93
 $a_s=0.15g$, $T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
"7", acc. SR 11100/1-93
 $a_s=0.15g$, $T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi finalizati in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:
• Reprezentarea profilului de Autostrada / Drum Expres / drum esle informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
• Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.

• Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
• Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT:
COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII ROTARE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE
PROIECTANT / ASOCIEREA / DESIGNER ASSOCIATION:
egis SEARCH CORPORATION
ELABORARE STUDIUL DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILAS SI DRUM EXPRES FILAS-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD
LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGES, VIADUCTS AND PASSAGES WORKS

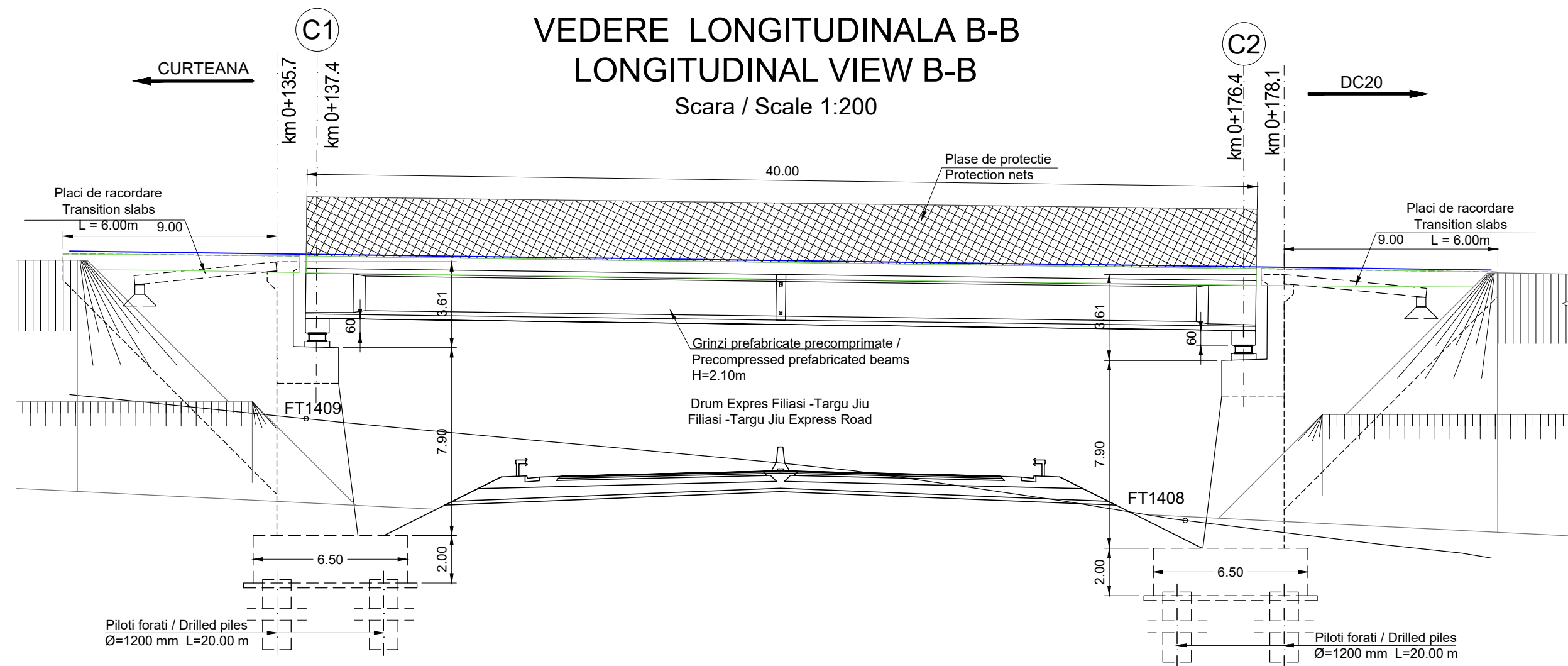
DISPOZITIE GENERALA GENERAL LAYOUT
Viaduct pe Drum Expres km 98+620 peste Vale / Viaduct on Express Road pk 98+620 over valley

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLE
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. BARONCEA
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICATOR INTERN INTERNAL CHECKER: A. PRODAN
Contract no.: 02/22578
Data: 10/2023
Cod desen: 2279-C1J-SE-4-LA-3-300-S-15-R00

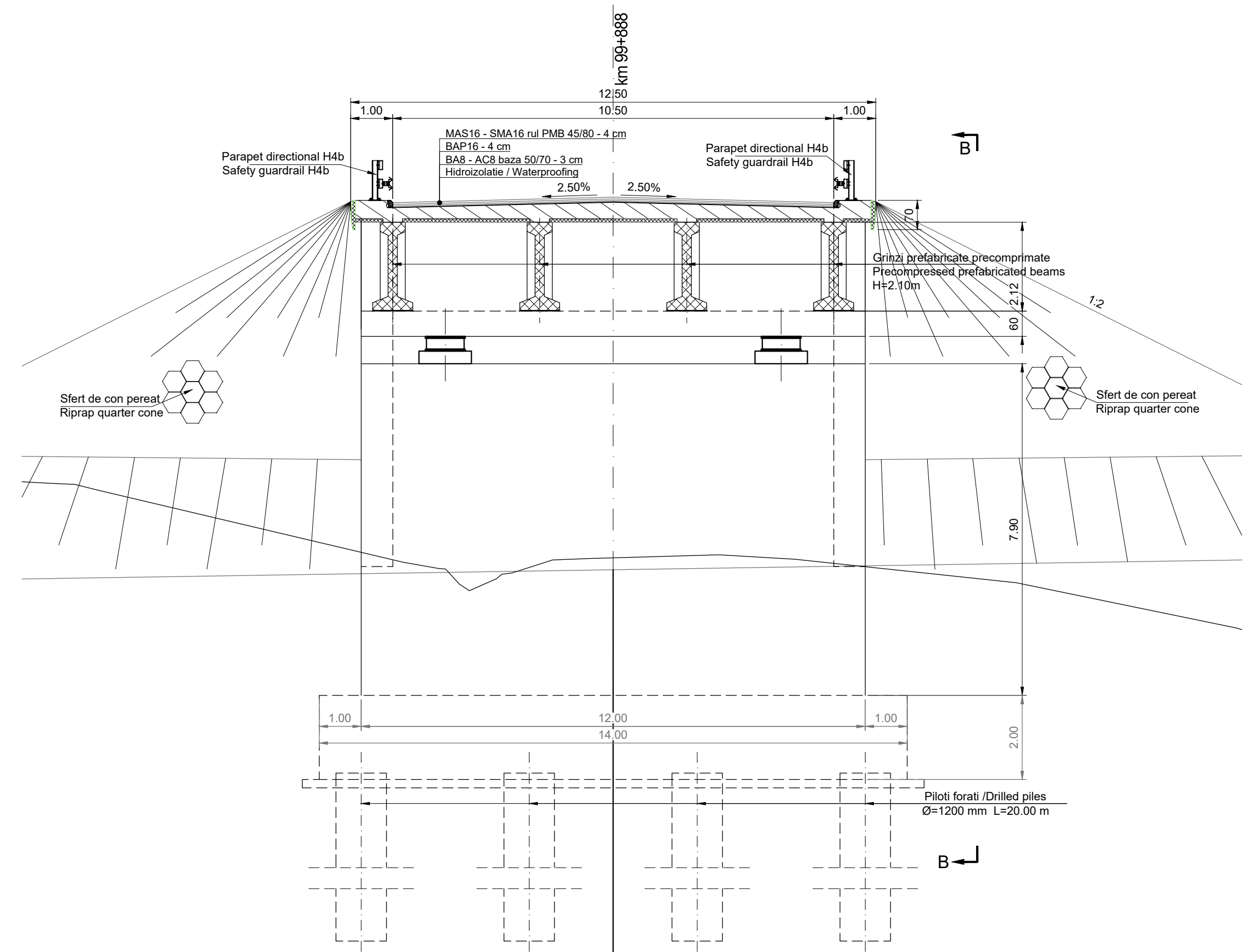
VEDERE LONGITUDINALA B-B LONGITUDINAL VIEW B-B

Scara / Scale 1:200



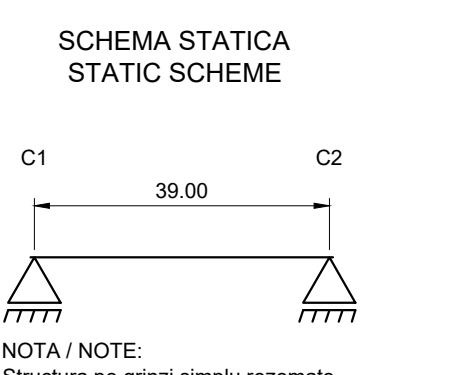
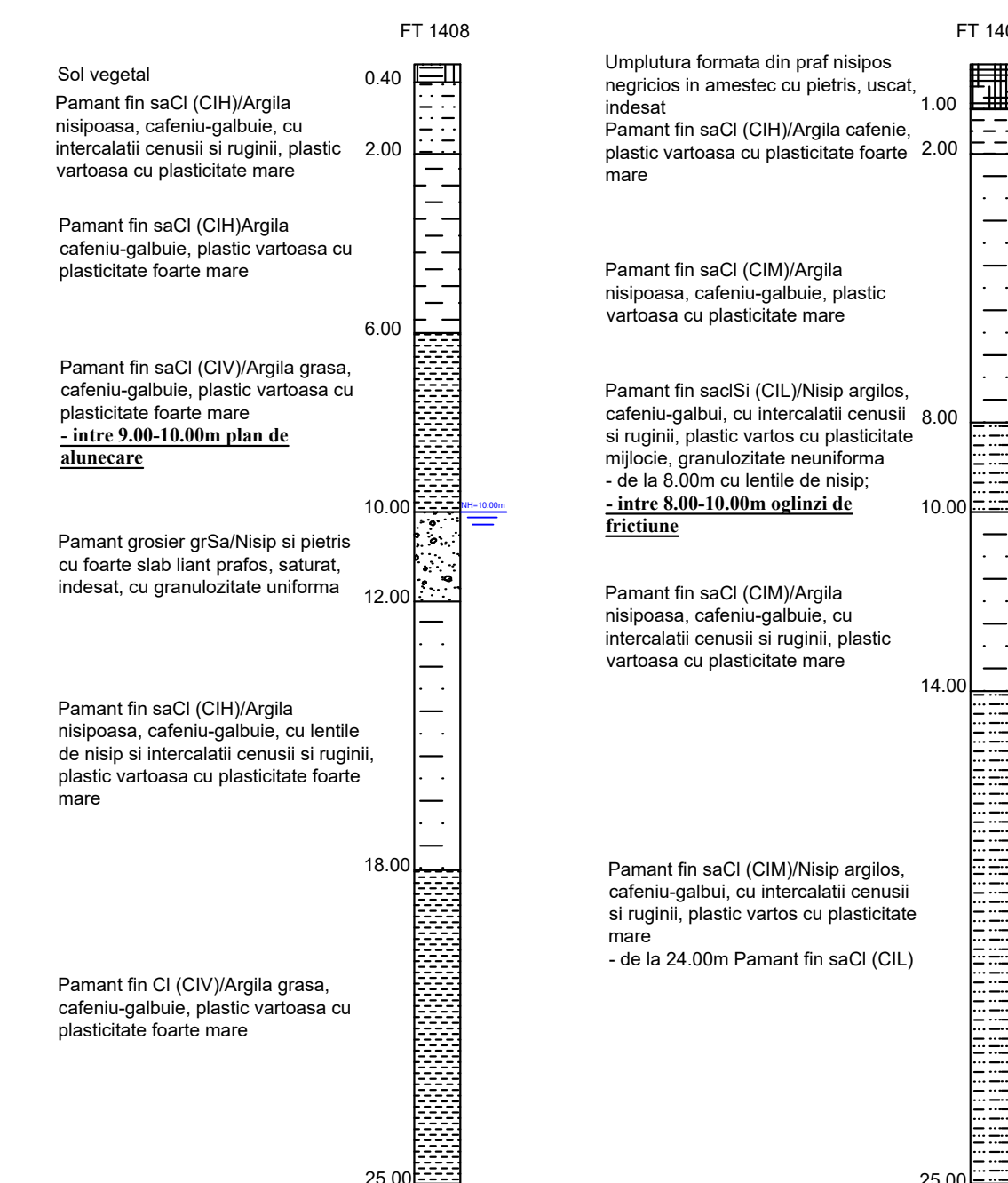
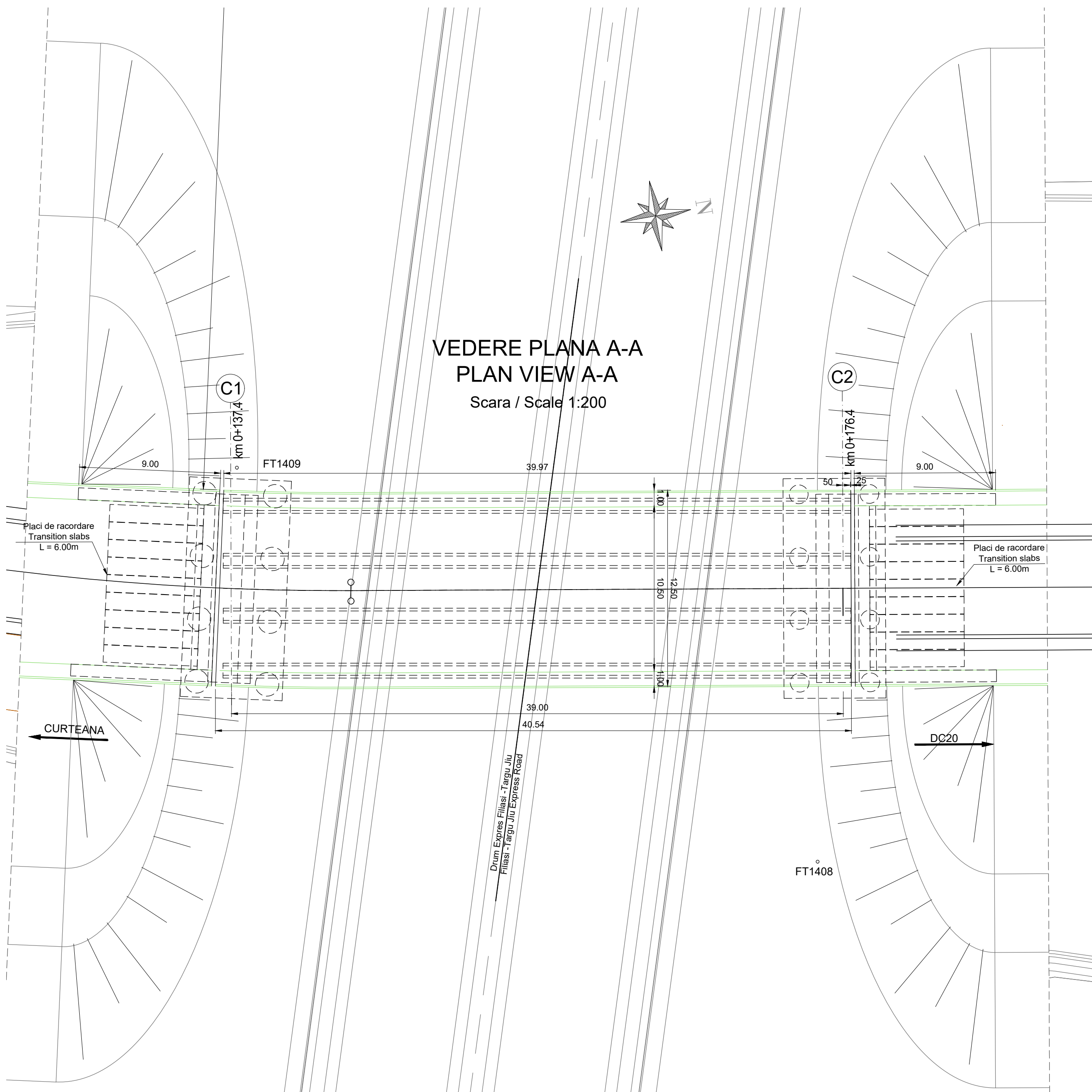
SECTIUNE TRANSVERSALA CULEE C1 CROSS SECTION ABUTMENT C1

Scara / Scale 1:100



VEDERE PLANA A-A PLAN VIEW A-A

Scara / Scale 1:200



CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Lifespan: 120 years
Convoaie de calcul
Loading convoys
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Categoria de importanta: "B"
Importance category: "B"
Grad de seismicitate:
"7", conf. SR 11100/1-93
"7", acc. SR 11100/1-93
a_s=0.15g, T_c=0.7s conf. P100-1:2013
a_s=0.15g, T_c=0.7s acc. P100-1:2013
Exigente de verificare faza PT: A4, B2, D
Af

Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.
According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIAREA / DESIGNER ASSOCIATION:
EGIS CORPORATION
SEARCH CORPORATION SRL

ELABORARE STUDIUL DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRESS FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

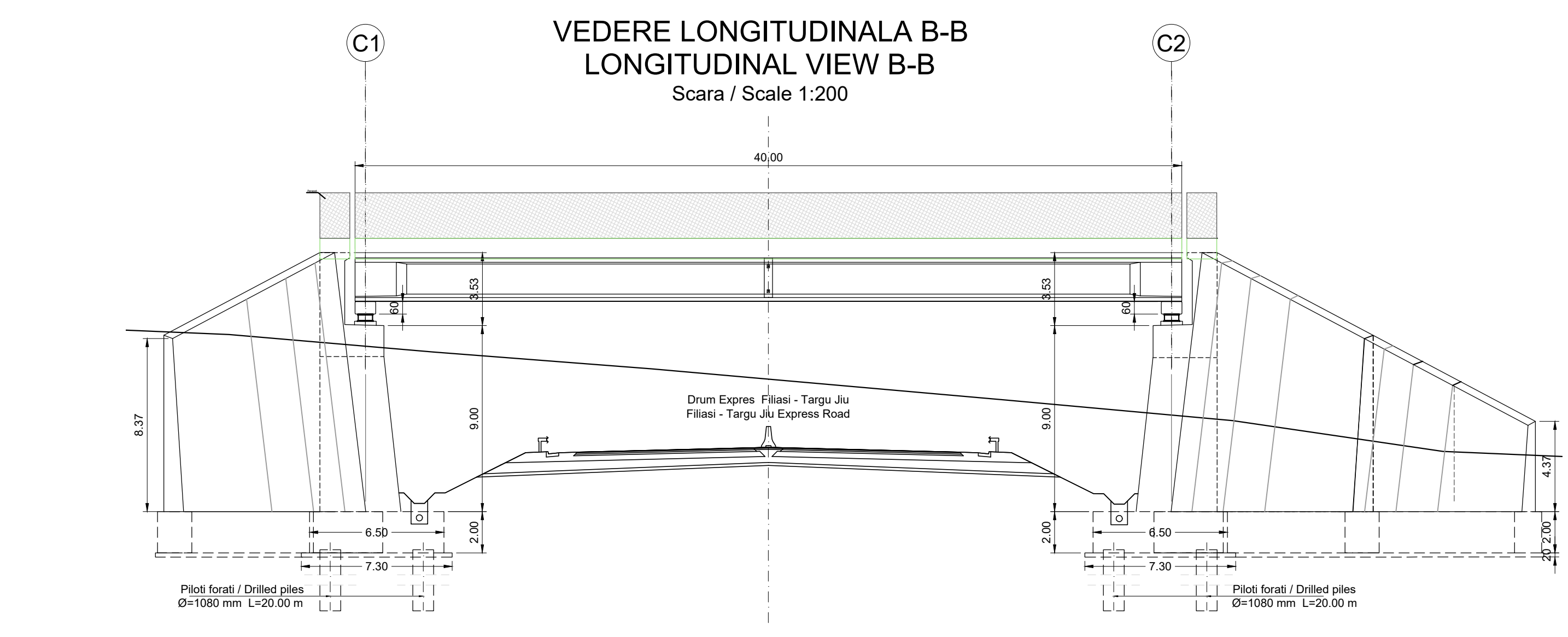
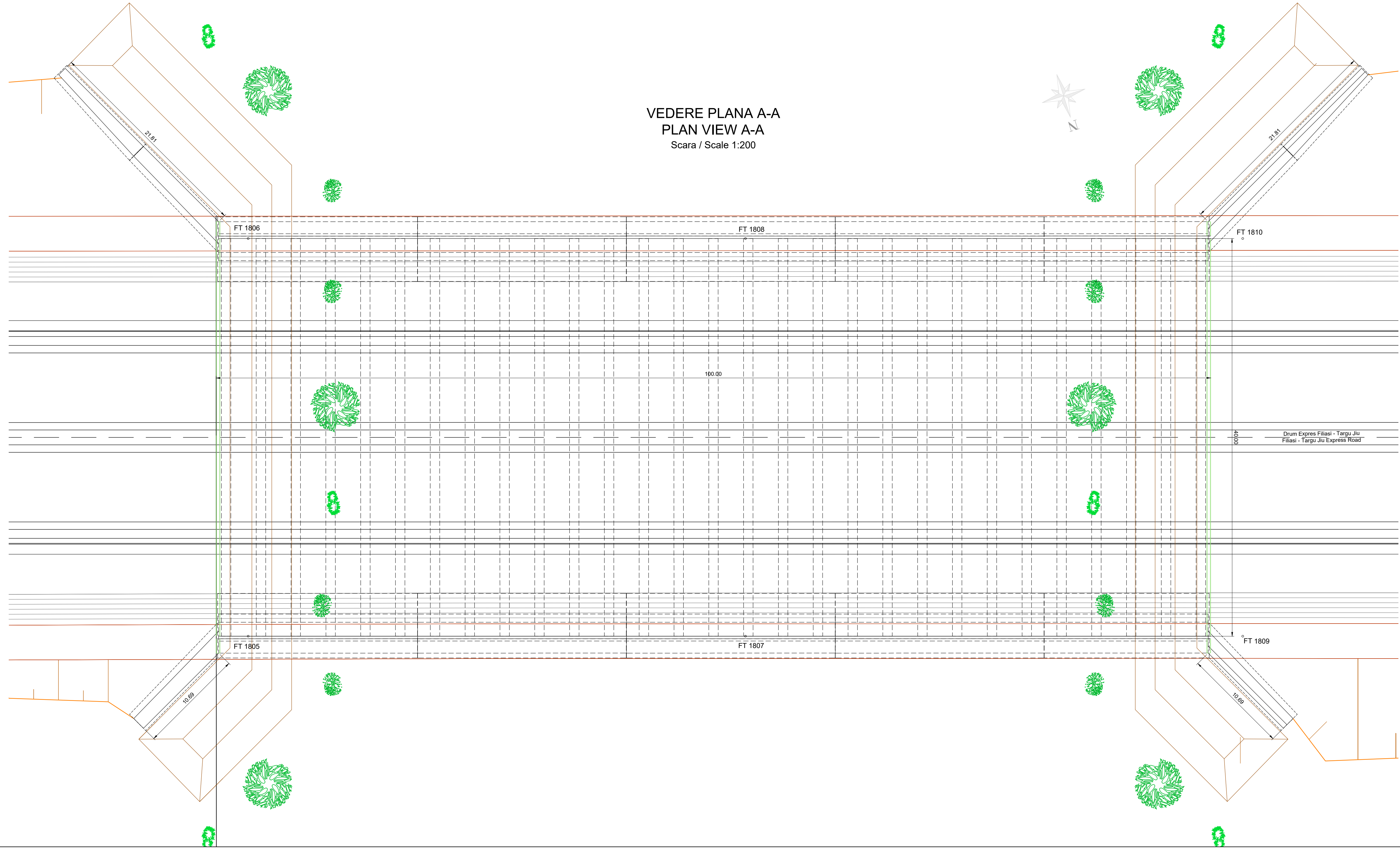
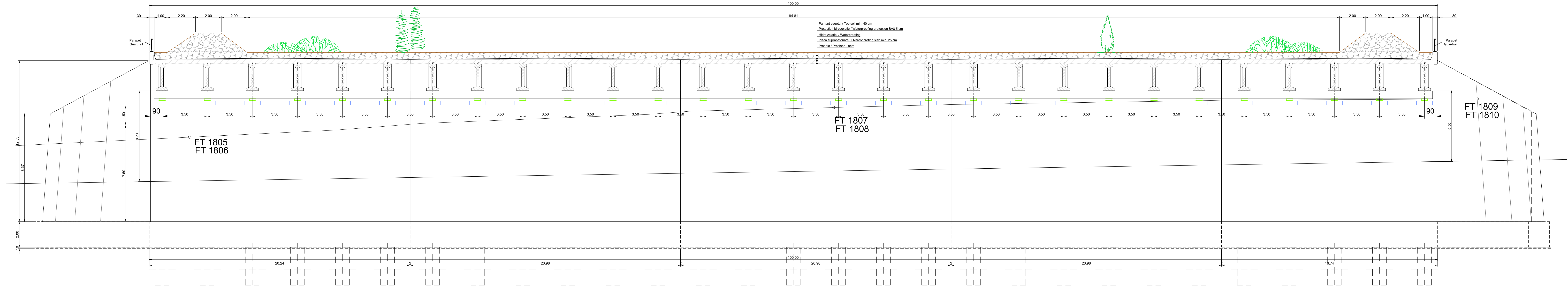
DISPOZITIE GENERALA
GENERAL LAYOUT
Pasaj pe Drum local
km 98+888 peste Drum Express /
Passage on Local road
pk 98+888 over Express Road

COORDONATOR DE PROIECT R. THADANI
COORDONATOR DE PROIECT DE PODURI G. PERICOLU
INGINIER PROIECTANT DE PODURI G. BARONCEA
INGINIER PROIECTANT DE PODURI M. ANDREI
INGINIER PROIECTANT DE PODURI A. PRODAN

VERIFICAT INTERN A. PRODAN

Contract nr. 92/22579 **Revizua nr. 0**
Contract no. 92/22579 **Revision no. 0**
Data: 10/2023 **Scara: 1:200 / 1:100**
Date: 10/2023 **Scale: 1:200 / 1:100**
Cod desen: 2579-C1J-SF-6-LA-3-DG-S_16-R00
Drawing number:

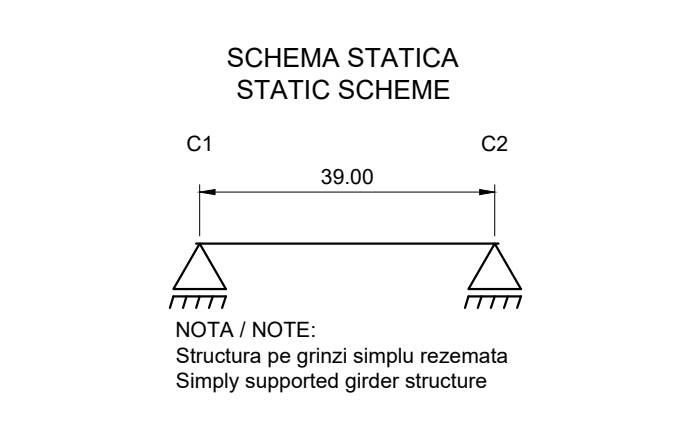
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1
Scara / Scale 1:100



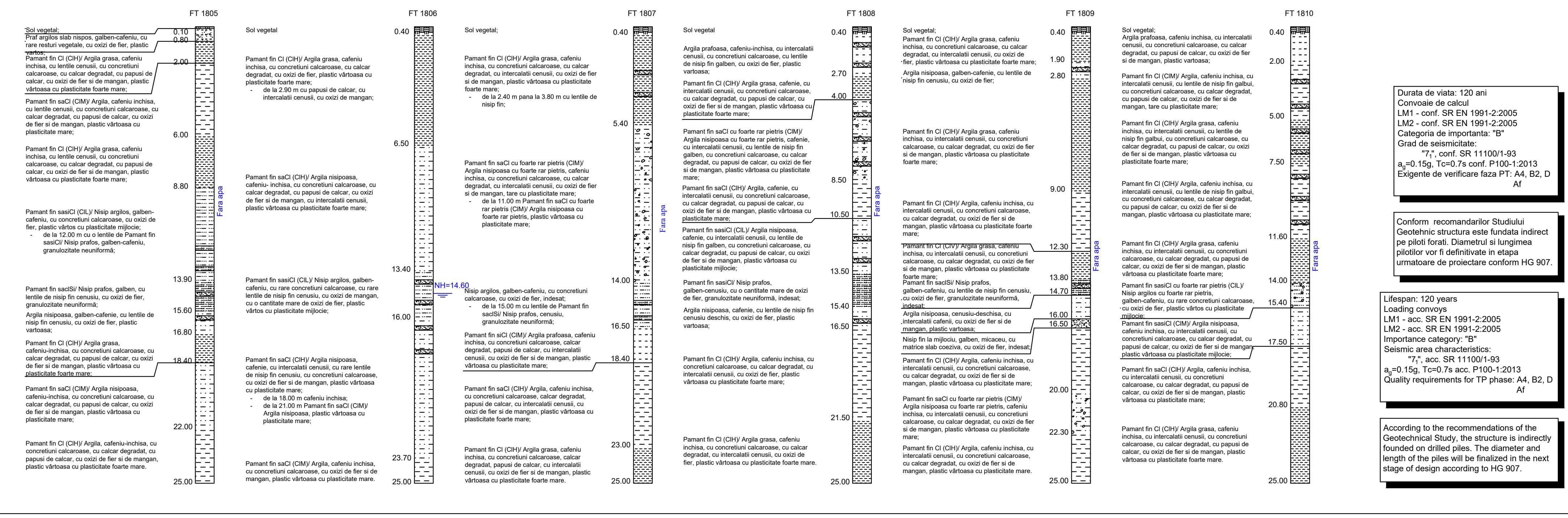
Detaliu timpan
Tympanum detail
Scara / Scale 1:20

CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure class
Beton de egalizare / Levelling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Rădăcini / Foundations	C35/45	XC4
Elevații / Elevations	C35/45	XC4 XD3 XF4
Placi de supraînălțare / Overconcreting slab	C35/45	XC1 XD3
Antrebrăzi / Cross beams	C35/45	XC1 XD3
Pereti / Walls	C30/37	XC4 XF2
Pereti / Walls	C30/37	XC4
Alipi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Precasts	C35/45	XC3 XF1 XF3



NOTA:
Structura pe grinzi simplu rezemată
Simply supported girder structure



Durata de viață: 120 ani
Convențe de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanță: "II"
Grad de seismicitate:
"I", conf. SR 11001-1:2005
a, b, 0.15a, T=0.7s, conf. P100-1:2013
Expunere de verificare fața PT: A4, B2, D, A1

Conform recomandarilor Studiului Geotehnic structura este fundată indirect pe piloni forati. Diametrul și lungimea pilonilor vor fi determinate în etapa următoare de proiectare conform HG 907.

DISPOZIȚIE GENERALA
GENERAL LAYOUT
Geotehnic structura este fundată indirect pe piloni forati. Diametrul și lungimea pilonilor vor fi determinate în etapa următoare de proiectare conform HG 907.

LifeSpan: 120 years
Loading conveny
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "II"
Seismic area characteristics:
"I", acc. SR 11001-1:2005
a, b, 0.15a, T=0.7s, acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D, A1

INTERFERENȚE / INTERFERENCES

COMPANIA NATIONALA DE ADHOCINGINERIE INFRASTRUCTURA
RUTIERE
NATIONAL ADHOCINGINERIE COMPANY OF ROAD INFRASTRUCTURE

egis SEARCH

LABORATORUL DE REZISTENȚĂ ȘI MECANICĂ
RESEARCH LABORATORY OF STRENGTH AND MECHANICS

LABORUL DE PROIECTARE ȘI ÎNȘIȘĂRI
DESIGN AND CONSTRUCTION OFFICE

COORDONATOR PROIECT / PROJECT COORDINATOR: G. FRODOLOU

INGINIER PROIECTANT / DESIGN ENGINEER: G. BARBUȚĂ

INGINIER PROIECTANT / DESIGN ENGINEER: M. ANDREI

INGINIER PROIECTANT / DESIGN ENGINEER: A. PRODAN

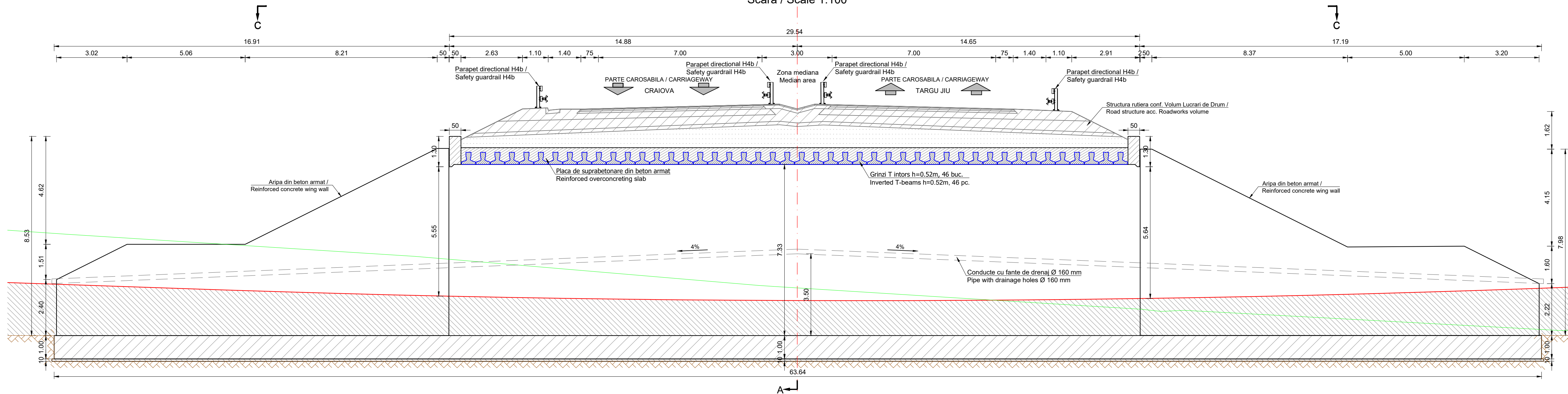
VERIFICANT INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 22/2023 / Contract no. 22/2023

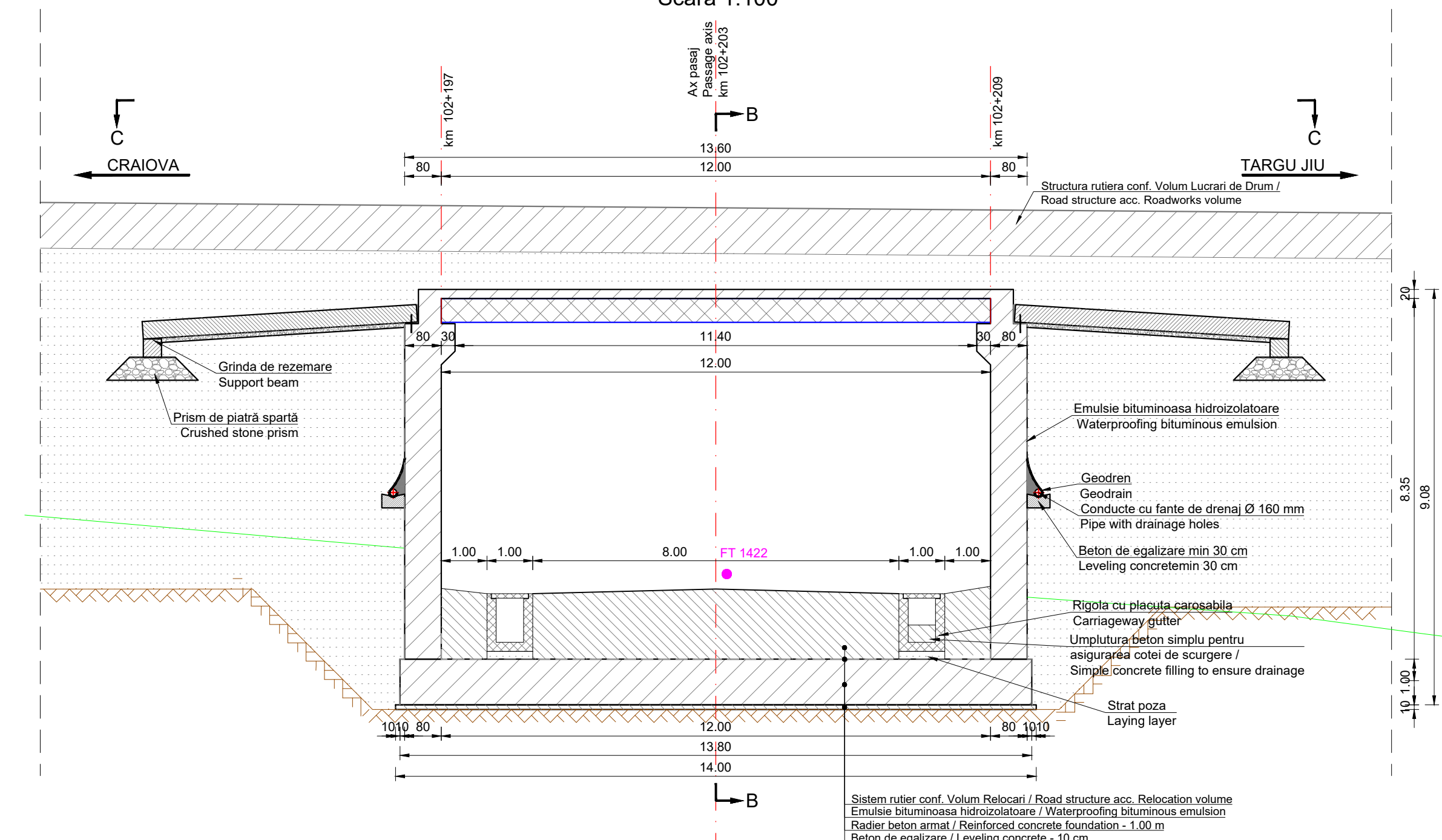
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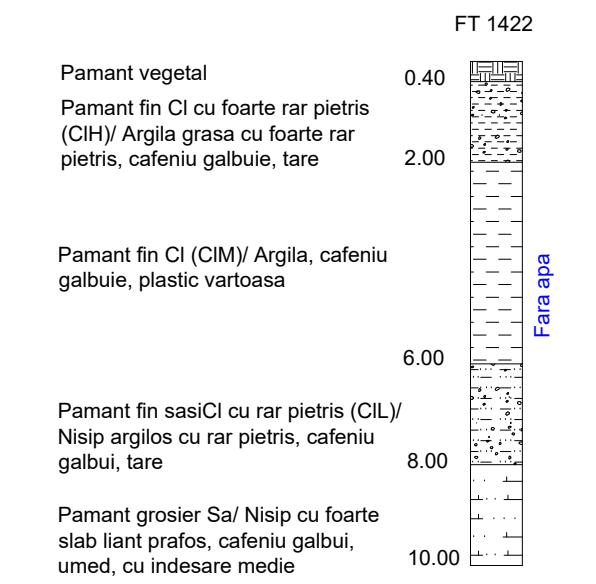
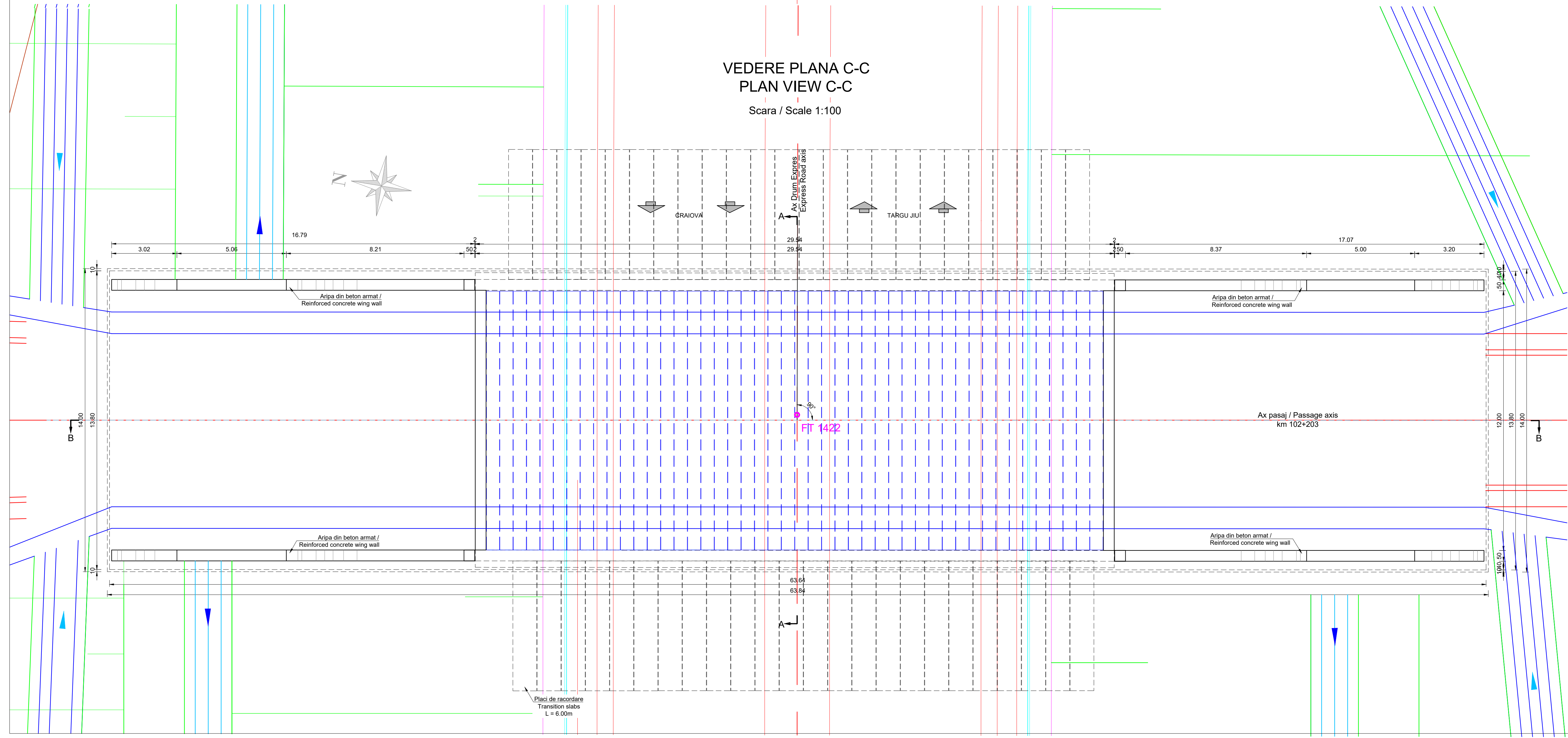
ELEVATIE B-B
ELEVATION B-B
Scara / Scale 1:100



SECTIUNE A-A
CROSS SECTION A-A
Scara / Scale 1:100

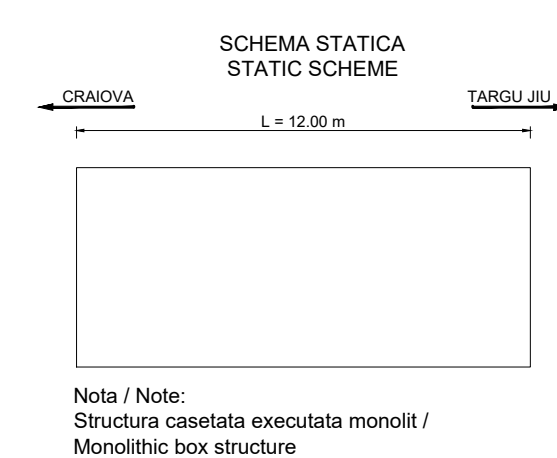


VEDERE PLANA C-C
PLAN VIEW C-C
Scara / Scale 1:100



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereri / Riprap	C30/37	XC4 XF2
Fundatii pereri / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Convoaie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005 Categoria de importanta: "B" Grad de seismicitate: "7", conf. SR 11100/1-93 a₀=0.15g, T=0.7s conf. P100-1:2013 Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005 Importance category: "B" Seismic area characteristics: "7", acc. SR 11100/1-93 a₀=0.15g, T=0.7s acc. P100-1:2013 Quality requirements for TP phase: A4, B2, D Af

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.

Note:

- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE / NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIERE / DESIGNER ASSOCIATION: egis SEARCH CORPORATION

ELABORARE STUDIUL DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FLAS SI DRUM EXPRES FILAS-TARGU JIU / PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FLAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE / BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA / GENERAL LAYOUT
Passaj pe Drum Expres km 102+197 peste Drum local 39 / Passage on Express road pA 102+197 over Local road 39

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODOBI / BRIDGE DESIGN ENGINEER: G. PERICOLE

INGINER PROIECTANT DE PODOBI / BRIDGE DESIGN ENGINEER: G. BARONCEA

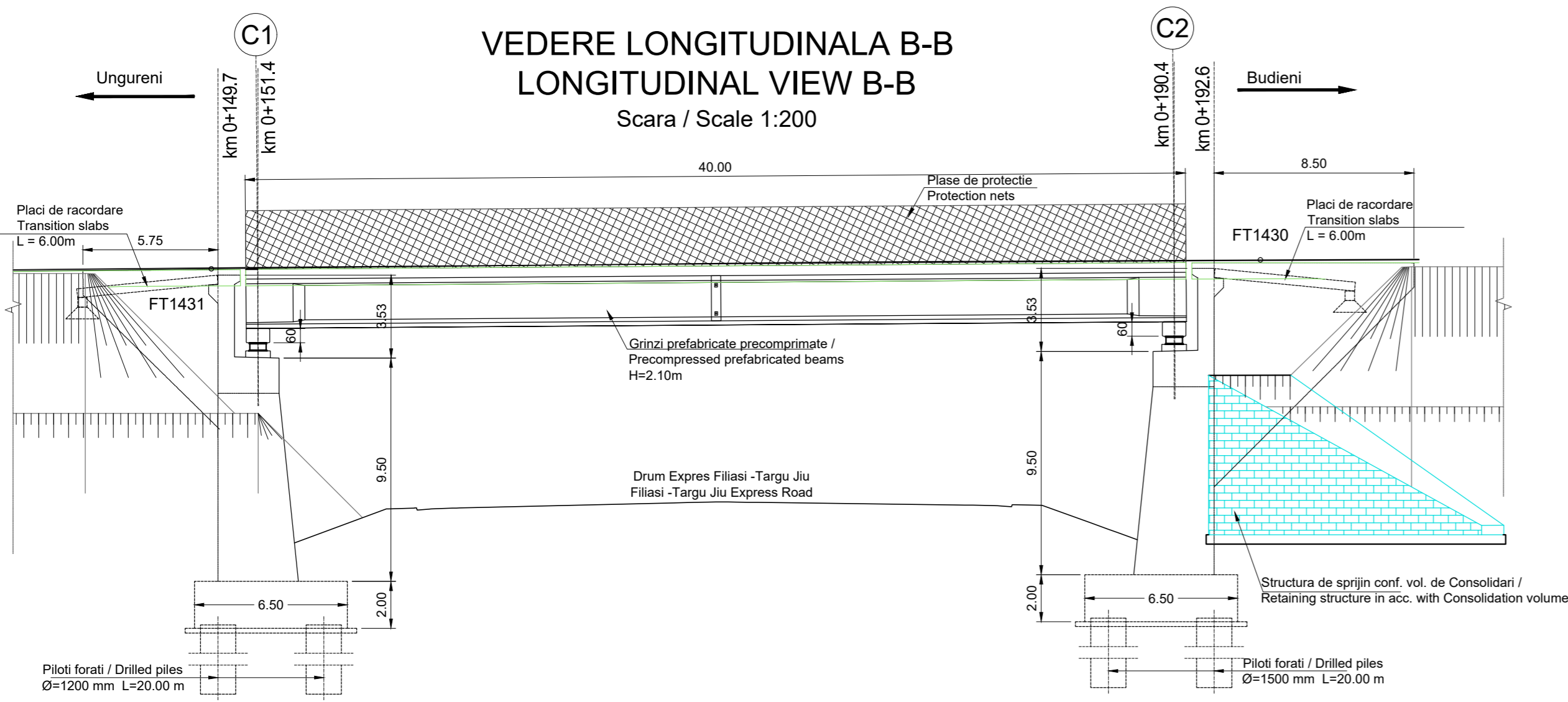
INGINER PROIECTANT DE PODOBI / BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICATOR INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 92/22579 / Contract no. 92/22579
Data: 10/2023 / Date: 10/2023
Cadr. desen: 2019/071-07-04-03-300-0_18-000 / Drawing number: 2019/071-07-04-03-300-0_18-000

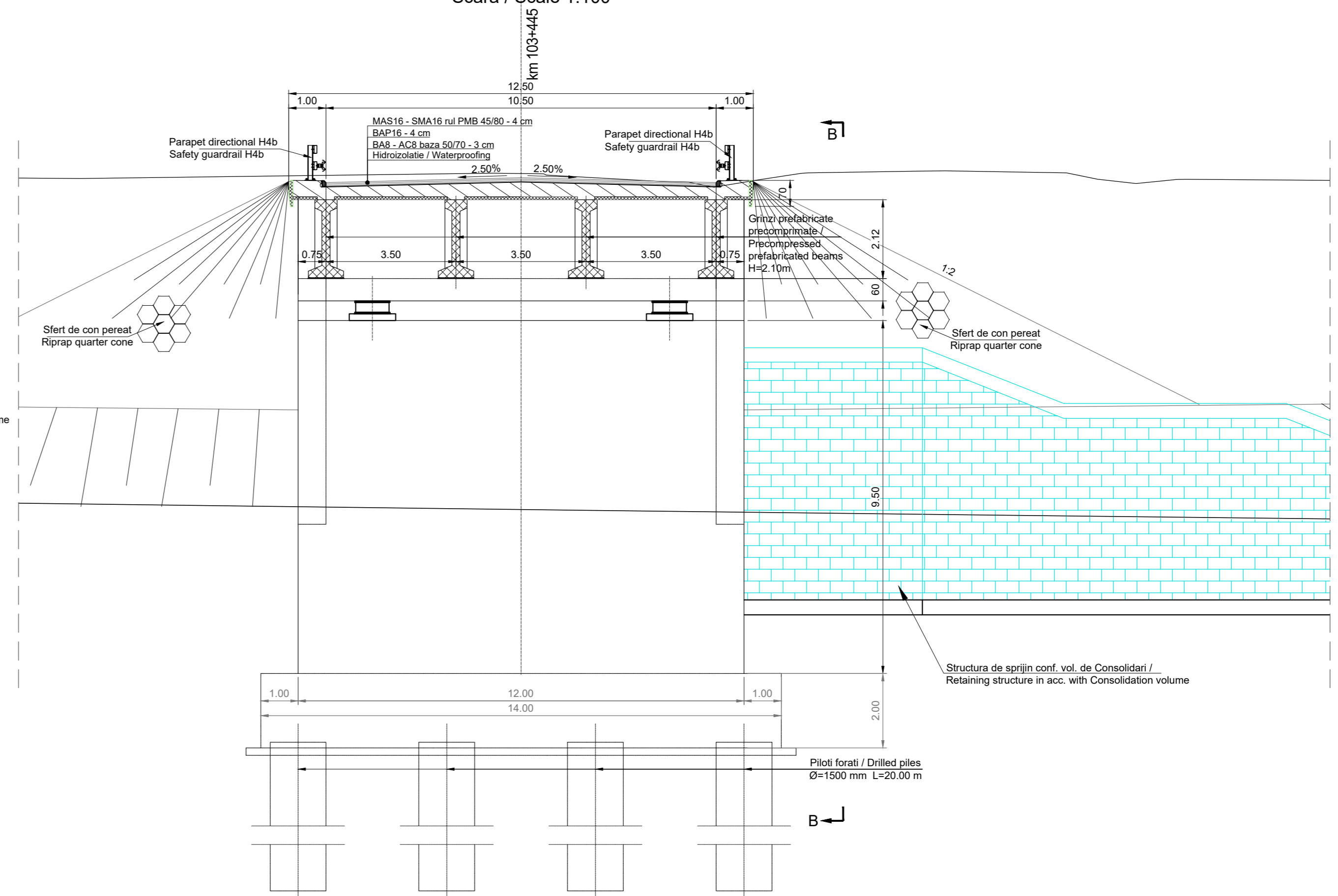
VEDERE LONGITUDINALA B-B
LONGITUDINAL VIEW B-B

Scara / Scale 1:200



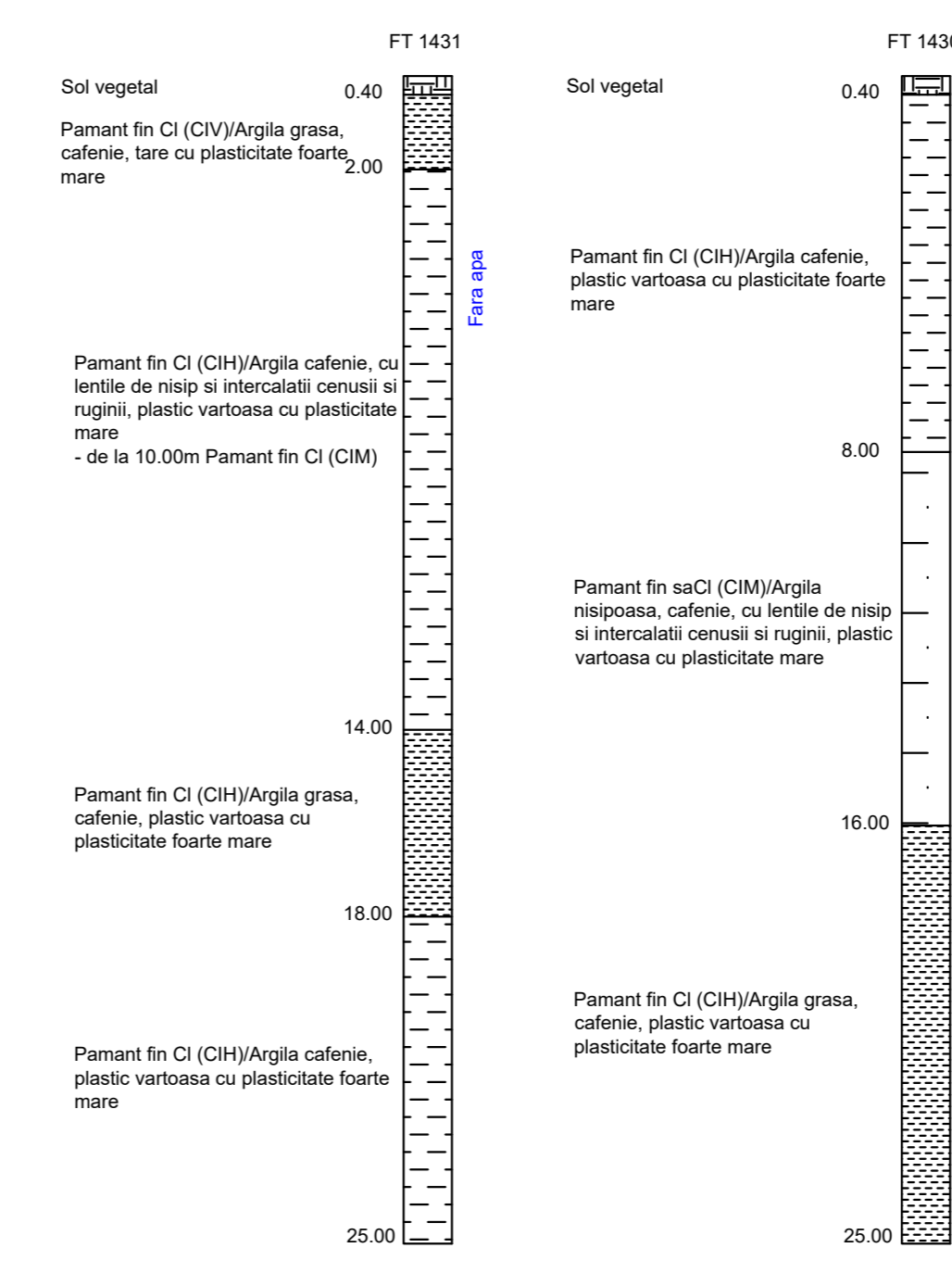
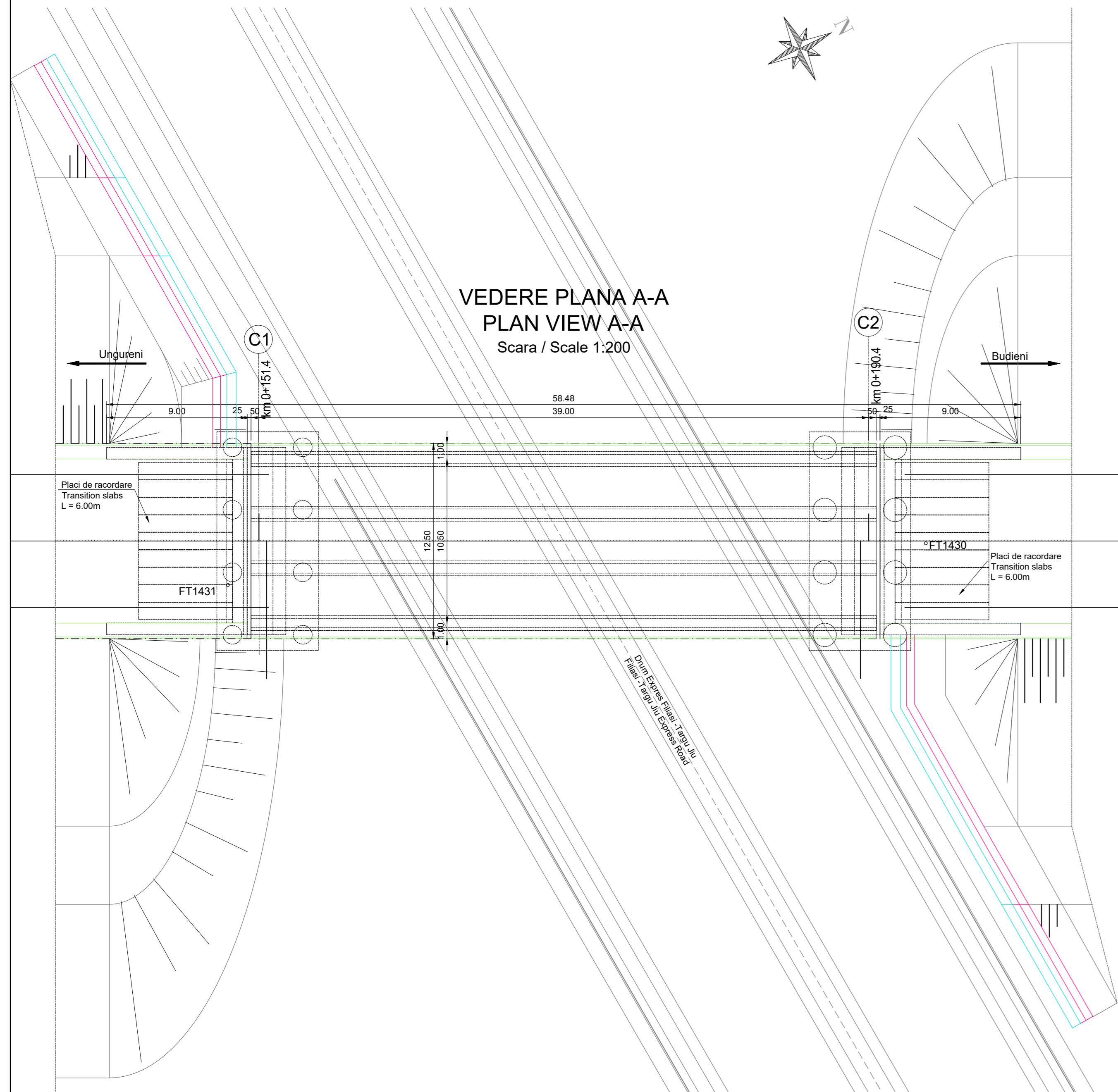
SECTIUNE TRANSVERSALA CULEE C1
CROSS SECTION ABUTMENT C1

Scara / Scale 1:100

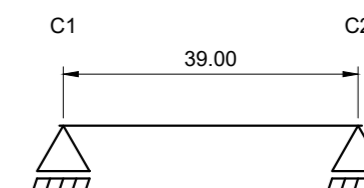


VEDERE PLANA A-A
PLAN VIEW A-A

Scara / Scale 1:200



SCHEMA STATICA
STATIC SCHEME



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani Convoaie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005 Categoria de importanta: "B" Grad de seismicitate: a ₀ =0.15g, T _c =0.7s conf. P100-1:2013 Exigente de verificare faza PT: A4, B2, D Af	Lifespan: 120 years Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005 Importance category: "B" Seismic area characteristics: a ₀ =0.15g, T _c =0.7s acc. P100-1:2013 Quality requirements for TP phase: A4, B2, D Af
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Note:

- Reprezentarea profilului de Autostrada / Drum Express / drum este informativ. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIEREA / DESIGNER ASSOCIATION: egis CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRESS FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Pasaj pe DJ 663
km 103+445 peste Drum Express / Passage on DJ 663
pk 103+445 over Express Road

COORDONATOR ADJUNCT DE PROIECT R. THADANI
PROJECT COORDINATOR DEPUTY

INGINER PROIECTANT DE PODURI G. PERICOLO
BRIDGE DESIGN ENGINEER

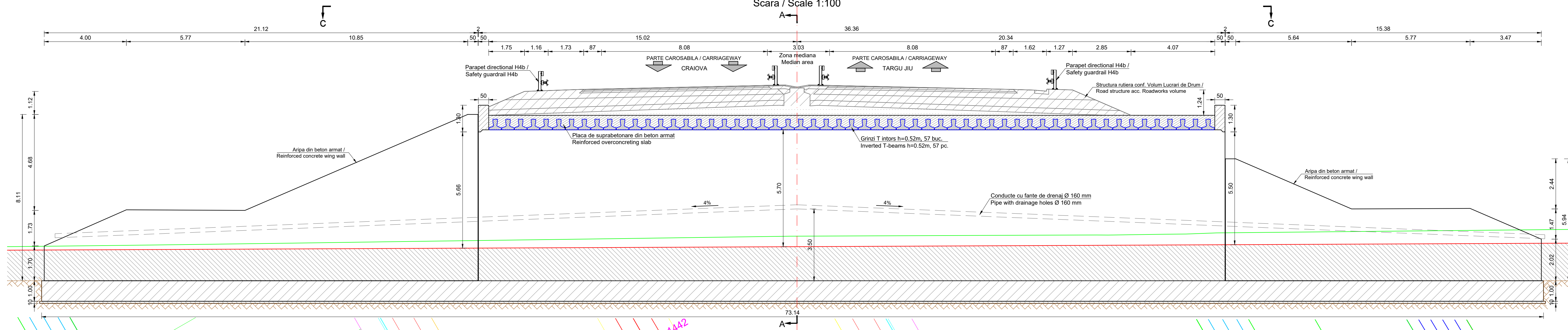
INGINER PROIECTANT DE PODURI G. BARONCEA
BRIDGE DESIGN ENGINEER

INGINER PROIECTANT DE PODURI M. ANDREI
BRIDGE DESIGN ENGINEER

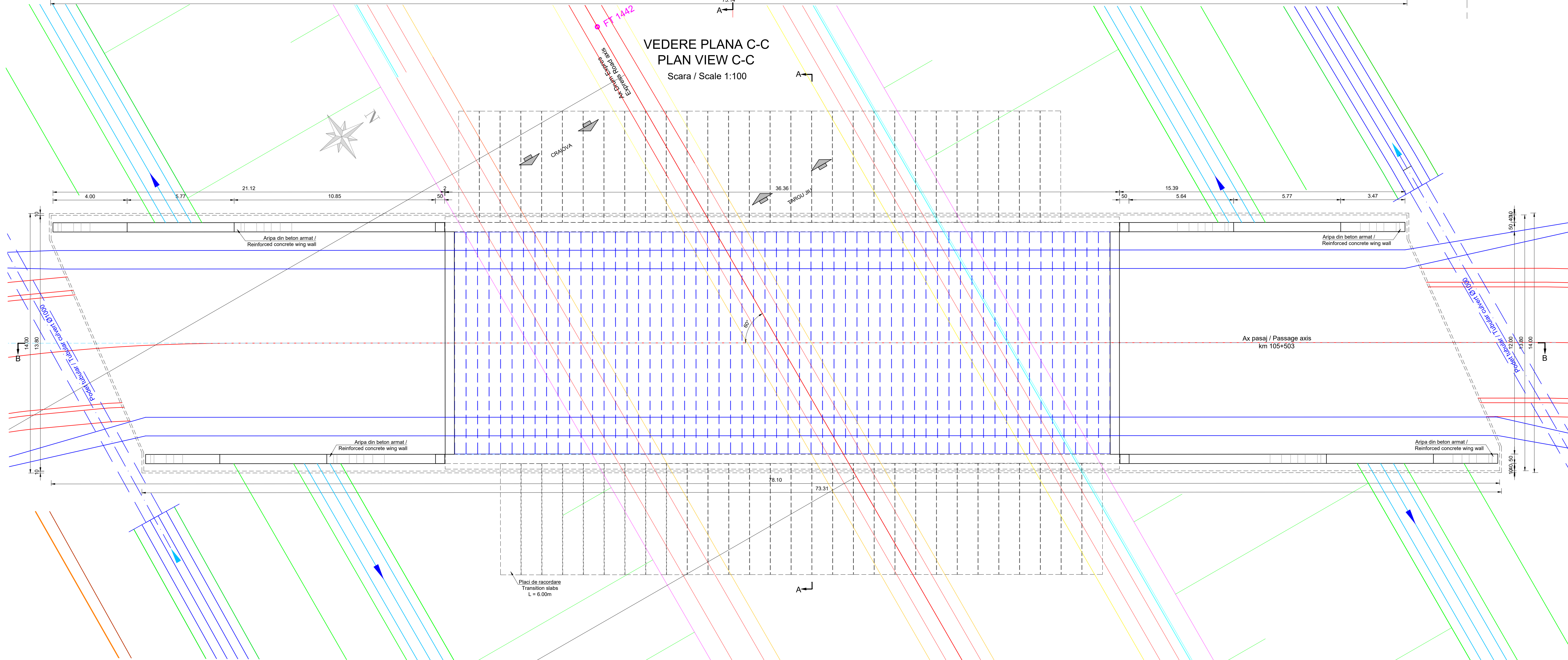
VERIFICAT INTERN A. PRODAN
INTERNAL CHECKER

Contract nr. 92/22579
Contract no. 92/22579
Data: 10/2023
Date: 10/2023
Cod desen: 22579-C1/SF-6-A-3-DG-S-19-000
Drawing number:

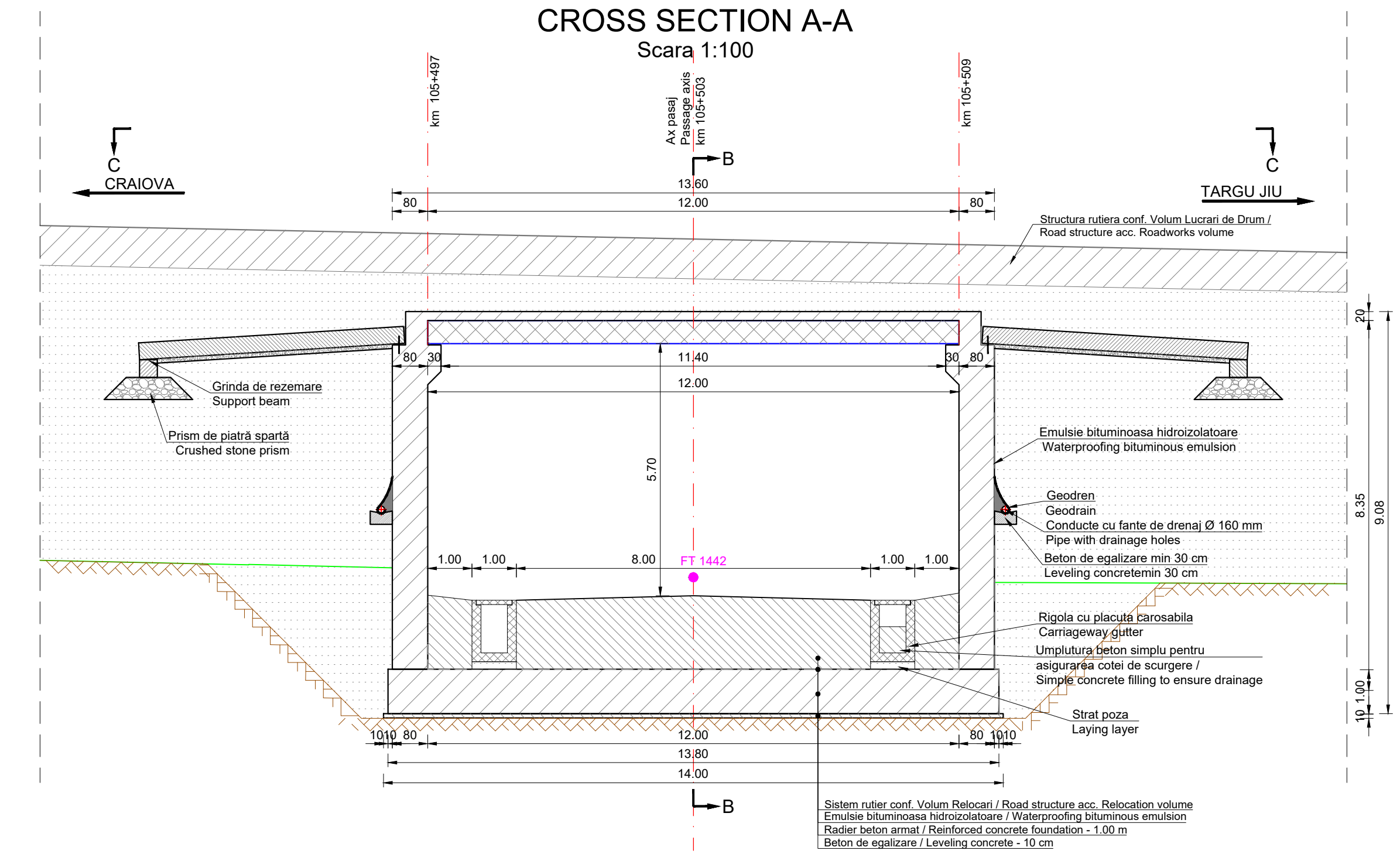
ELEVATIE B-B
ELEVATION B-B
Scara / Scale 1:100



VEDERE PLANA C-C
PLAN VIEW C-C
Scara / Scale 1:100



SECTIUNE A-A
CROSS SECTION A-A
Scara 1:100



Structura rutiera conf. Volum Lucrari de Drum / Road structure acc. Roadworks volume
Emulsie bituminoasa hidroizolatoare / Waterproofing bituminous emulsion
Radier beton armat / Reinforced concrete foundation - 1.00 m
Beton de egalizare / Leveling concrete - 10 cm

- Note:
- Reprezentarea profilului de Autostrada / Drum Express / drum este informativ. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
 - Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
 - Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
 - Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzii prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Presdale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani
Convoale de calcul LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate: "7", conf. SR 111001-93
a₀=0.15g, Tc=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 111001-93
a₀=0.15g, Tc=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

COMPANIA NATIONALA DE ADMINISTRARE INFRASTRUCTURII
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

egis SEARCH CORPORATION

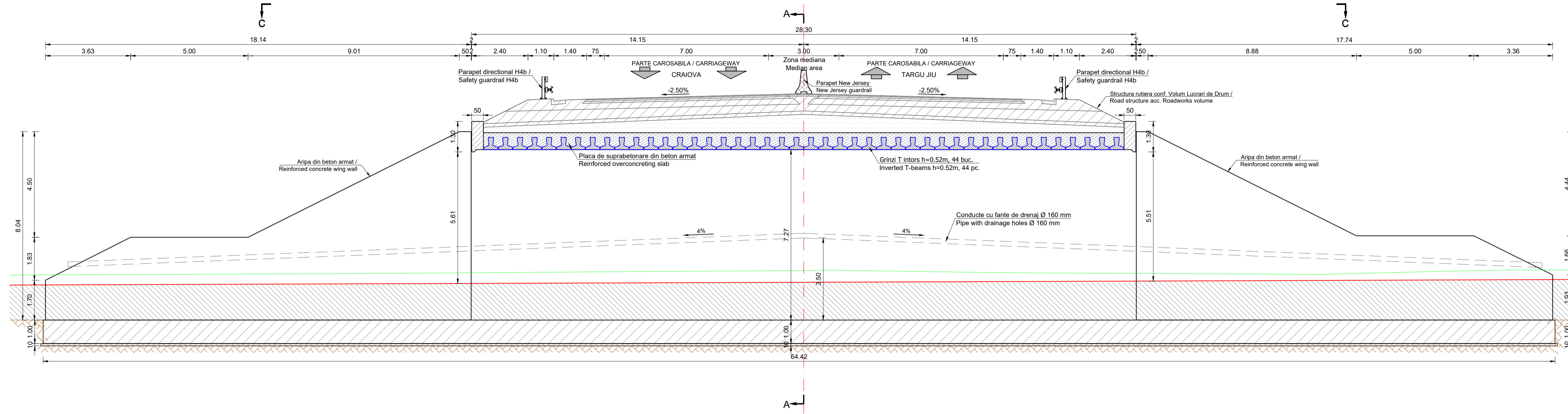
LABORARE STUDIUL DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILAS SI DRUM EXPRESS FILAS-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILAS MOTORWAY AND FILAS-TARGU JIU EXPRESS ROAD

DISPOZITIE GENERALA GENERAL LAYOUT
Pasaj pe Drum Express km 105+497 peste Drum local 40 / Passage on Express road pk 105+497 over Local road 40

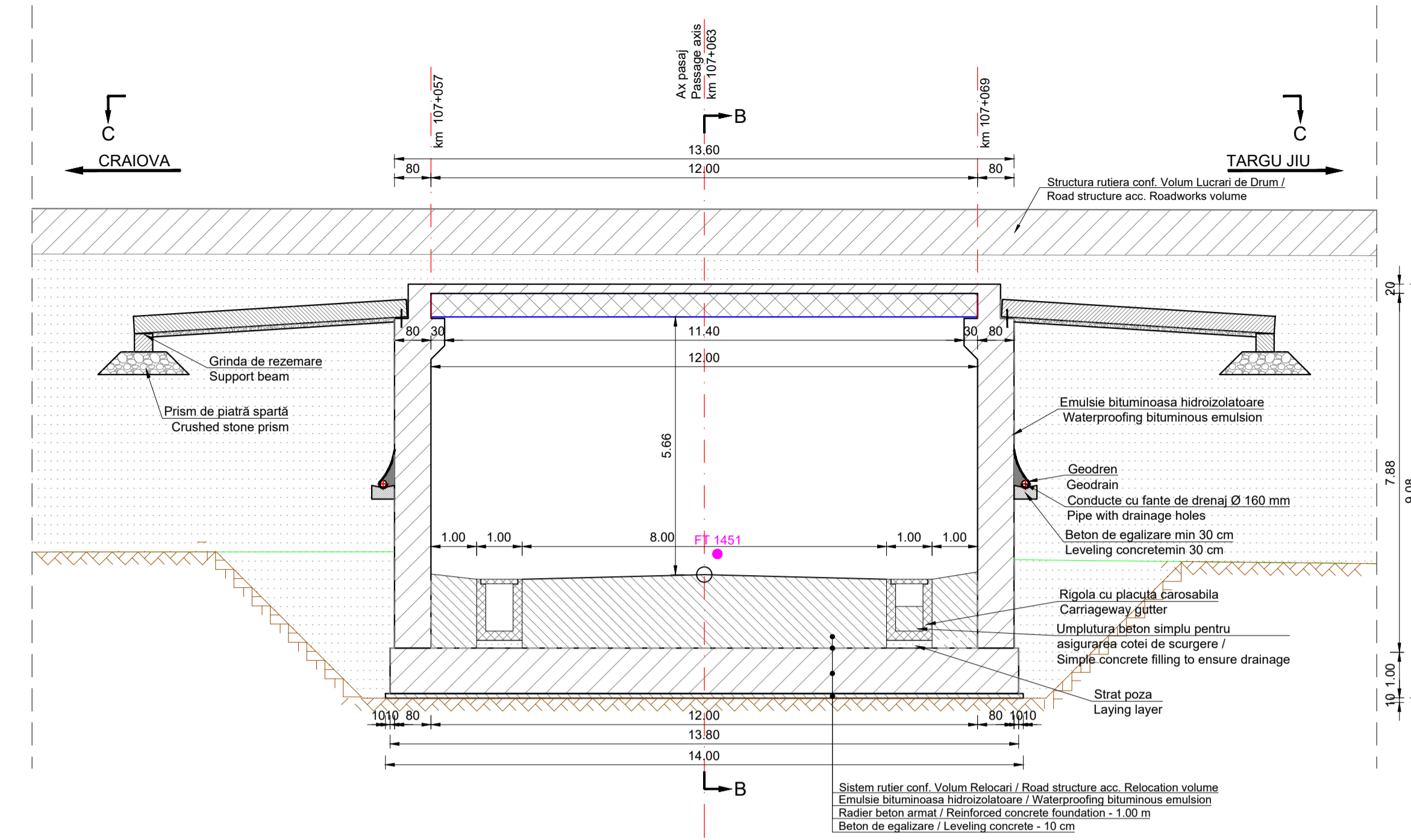
COORDONATOR ADJUNCT DE PROIECT: R. THADANI
COORDONATOR DEPLI: G. PERICOLE
INGINER PROIECTANT DE PUNTI: G. PERICOLE
INGINER PROIECTANT DE PUNTI: M. ANDREI
INGINER PROIECTANT DE PUNTI: M. ANDREI
VERIFICAT INTERN: A. PRODAN

Contract nr. 9222579
Date: 10/2023
Date: 10/2023

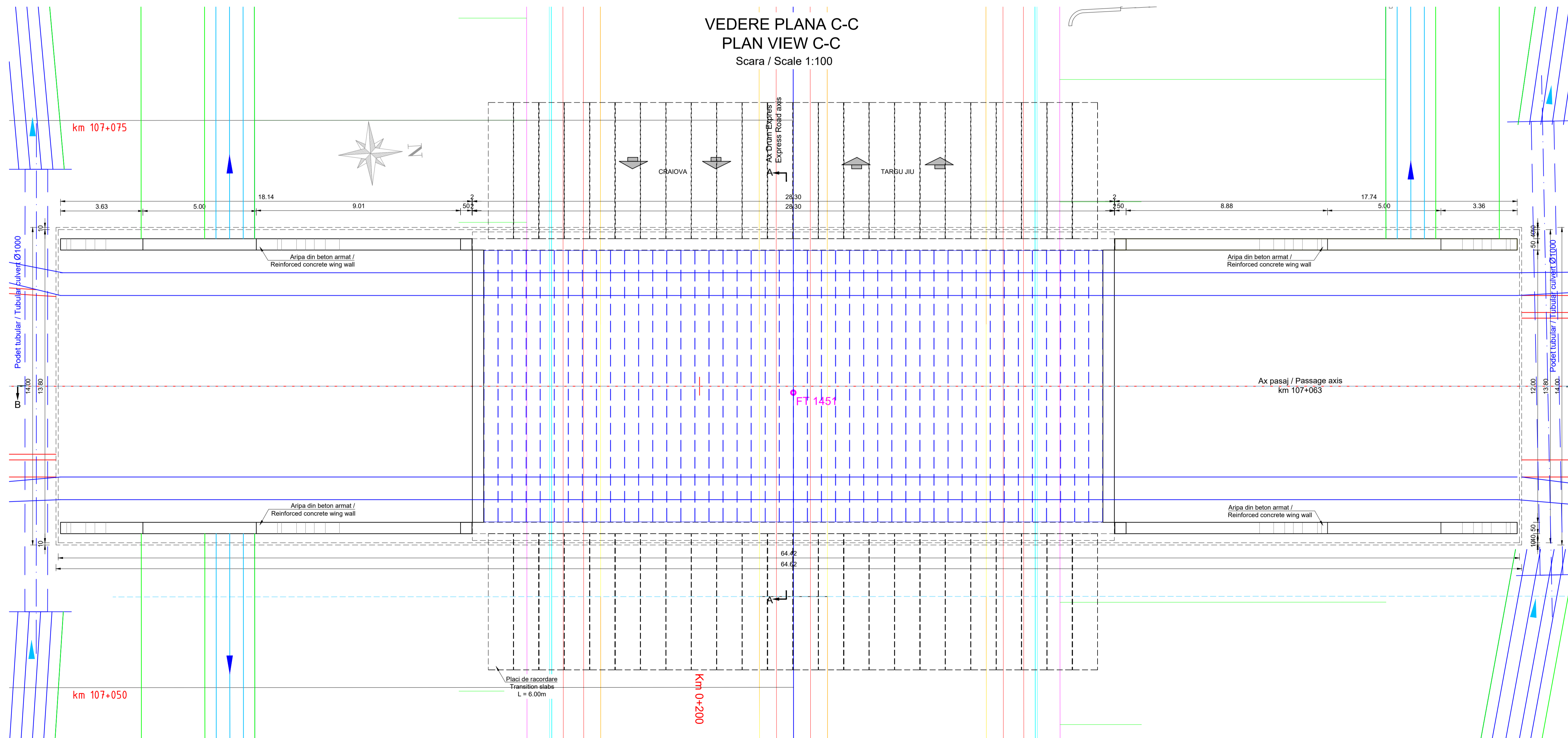
ELEVATIE B-B
ELEVATION B-B
Scara / Scale 1:100



SECTIUNE A-A
CROSS SECTION A-A
Scara 1:100

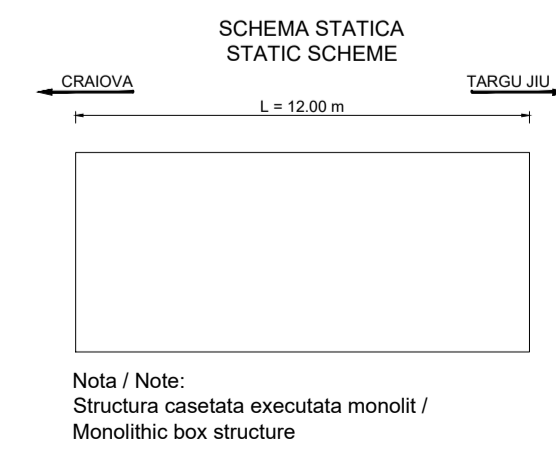


VEDERE PLANA C-C
PLAN VIEW C-C
Scara / Scale 1:100



CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloni forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Prenu / Riprap	C30/37	XC4 XF2
Fundatii prenu / Riprap foundations	C30/37	XC4
Arpi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prestabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Convoaie de calcul: LM1 - conf. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate: "7", acc. SR 11100/1-93
 $a_s=0.15g, T_c=0.7s$ conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D
Af

Lifespan: 120 years
Loading convoys: LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics: "7", acc. SR 11100/1-93
 $a_s=0.15g, T_c=0.7s$ acc. P100-1:2013
Quality requirements for TP Phase: A4, B2, D
Af

Note:

- Reprezentarea profilului de Autostada / Drum Express / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-PLAIA SI DRUMUL EXPRESS FILAȘ-TÂRȘU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-PLAIA MOTORWAY AND FILAȘ-TÂRȘU EXPRESS ROAD

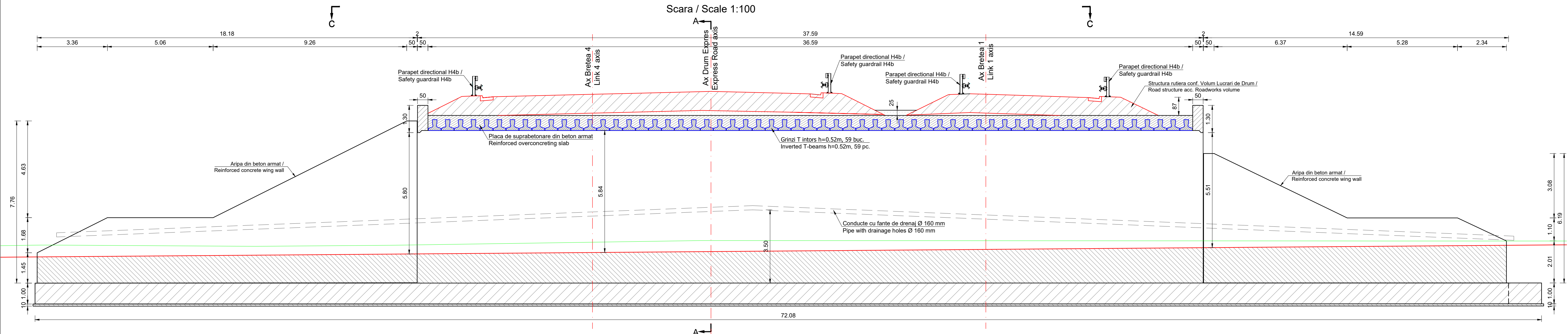
DISPOZITIE GENERALA
GENERAL LAYOUT
Pasaj pe Drum Express
km 107+057 peste Drum local 41 /
Passage on Express road
pk 107+057 over Local Road 41

COORDONATOR ADJUNCT DE PROIECT
PROJECT COORDINATOR DEPUTY
INGINER PROIECTANT DE PODURI
BRIDGE DESIGN ENGINEER
INGINER PROIECTANT DE PODURI
BRIDGE DESIGN ENGINEER
INGINER PROIECTANT DE PODURI
BRIDGE DESIGN ENGINEER
VERIFICATOR INTERN
INTERNAL CHECKER

Contract nr. 92/2579
Date: 10/2023
Cod desen: 2023-GT-SP-6A-3-3-DG-8_21-003
Drawing number:

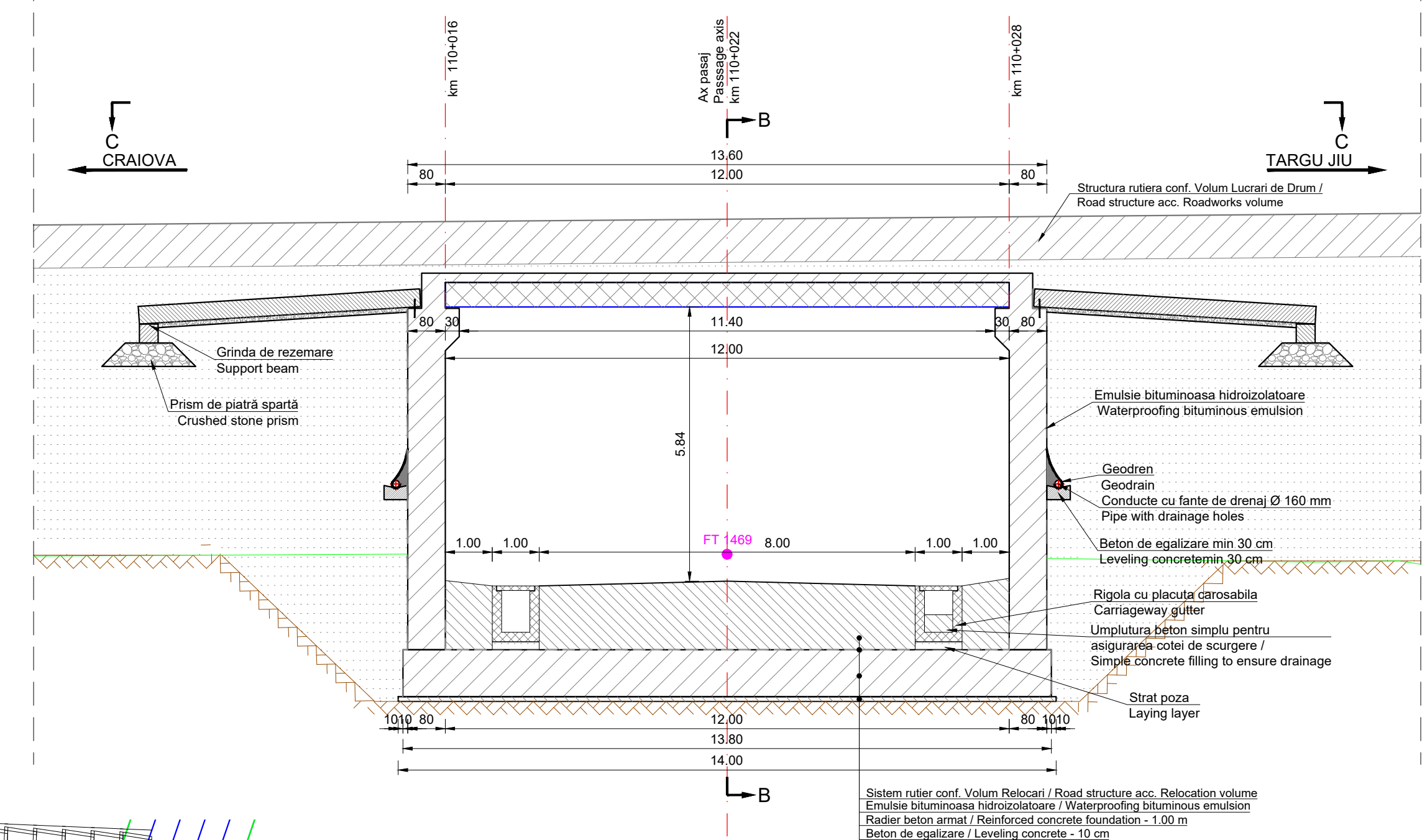
ELEVATIE B-B ELEVATION B-B

Scara / Scale 1:100



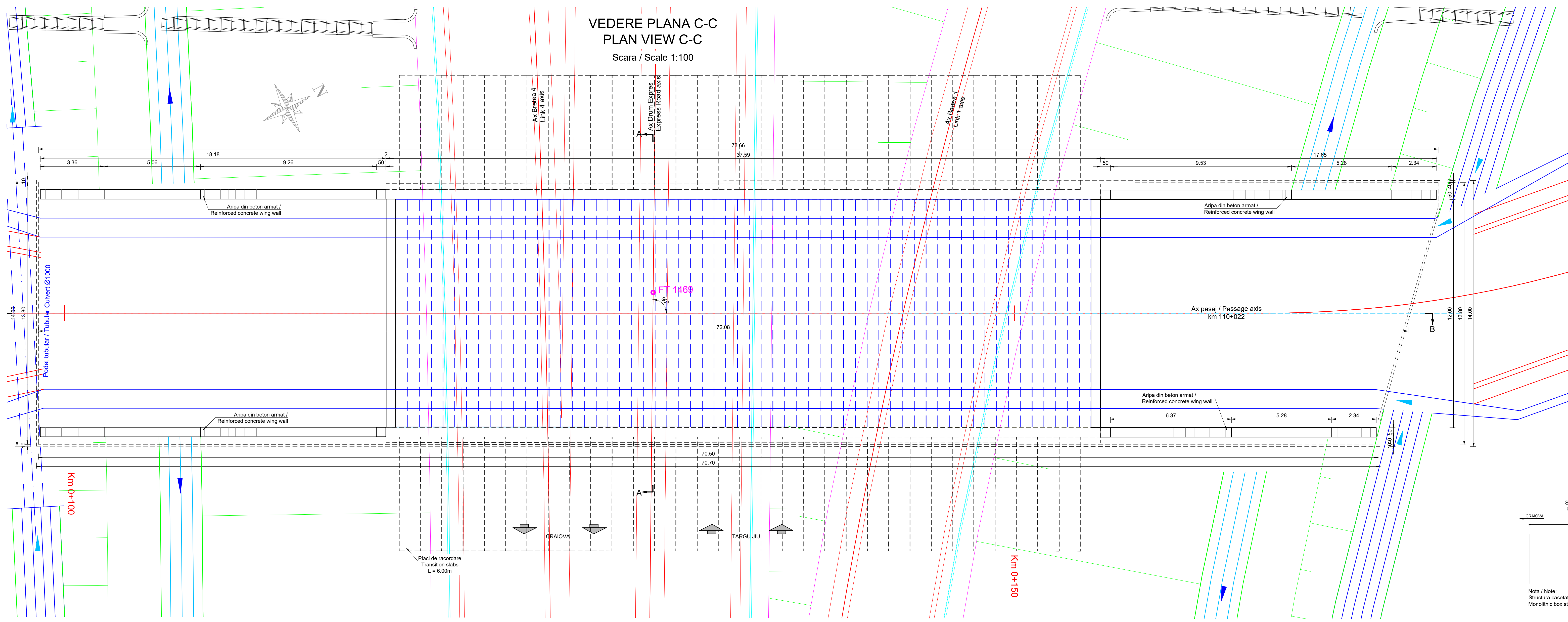
SECTIUNE A-A CROSS SECTION A-A

Scara 1:100

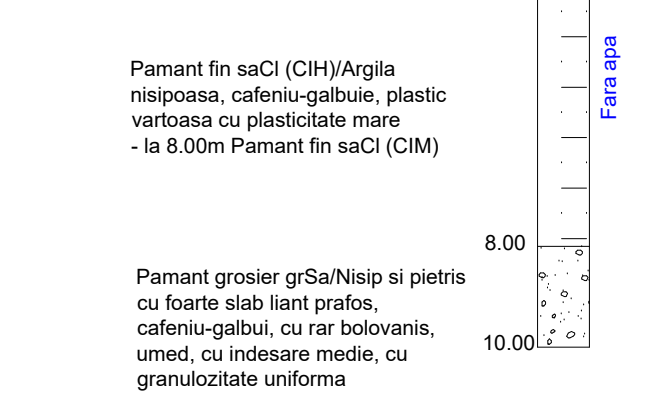


VEDERE PLANA C-C PLAN VIEW C-C

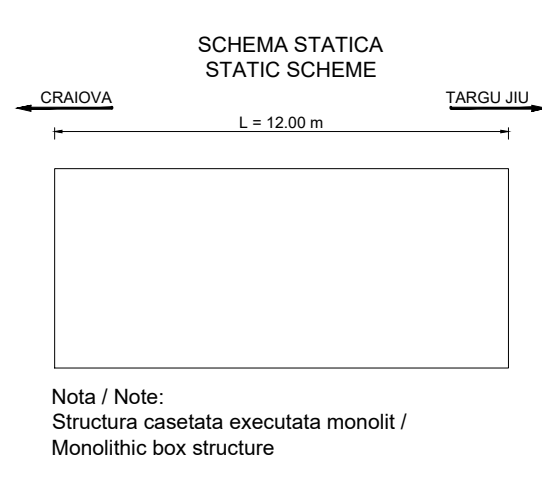
Scara / Scale 1:100



- Note:
- Reprezentarea profilului de Autostrada / Drum Express / drum este informativ. Profilele transversale își au rădăcinile în volumul de Lucrări de Drum.
 - Eventuale îmbunătățiri ale terenului de fundare se vor executa conform recomandărilor Studiului Geotehnic.
 - Reprezentarea the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
 - Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.



CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY		
Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antrebrasa / Cross beams	C35/45	XC1 XD3
Rerur / Riprap	C30/37	XC4 XF2
Fundatii peris / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinză prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prestabs	C35/45	XC3 XF1 XF3



Durata de viata: 120 ani
Loading convoys
LM1 - conf. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
a₀=0.15g, T_c=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
"7", acc. SR 11100/1-93
a₀=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Beneficiar / Client: COMPANIA NATIONALA DE ADMINISTRARE SI INFRASTRUCTURA RUTIERA / NATIONAL ADMINISTRATOR COMPANY OF ROAD INFRASTRUCTURE

Proiectant / Designer: ASOCIEREA DE PROIECTANTI EGIS ROMANIA SA / SEARCH CORPORATION

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-PLAJA SI DRUMUL EXPRESS PLAJA-TARGU JIU / PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-PLAJA MOTORWAY AND PLAJA-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE BRIDGE, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA GENERAL LAYOUT
Pasaj pe Drum Express km 110+016 peste Drum local 42 / Passage on Express road pk 110+016 over Local road 42

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

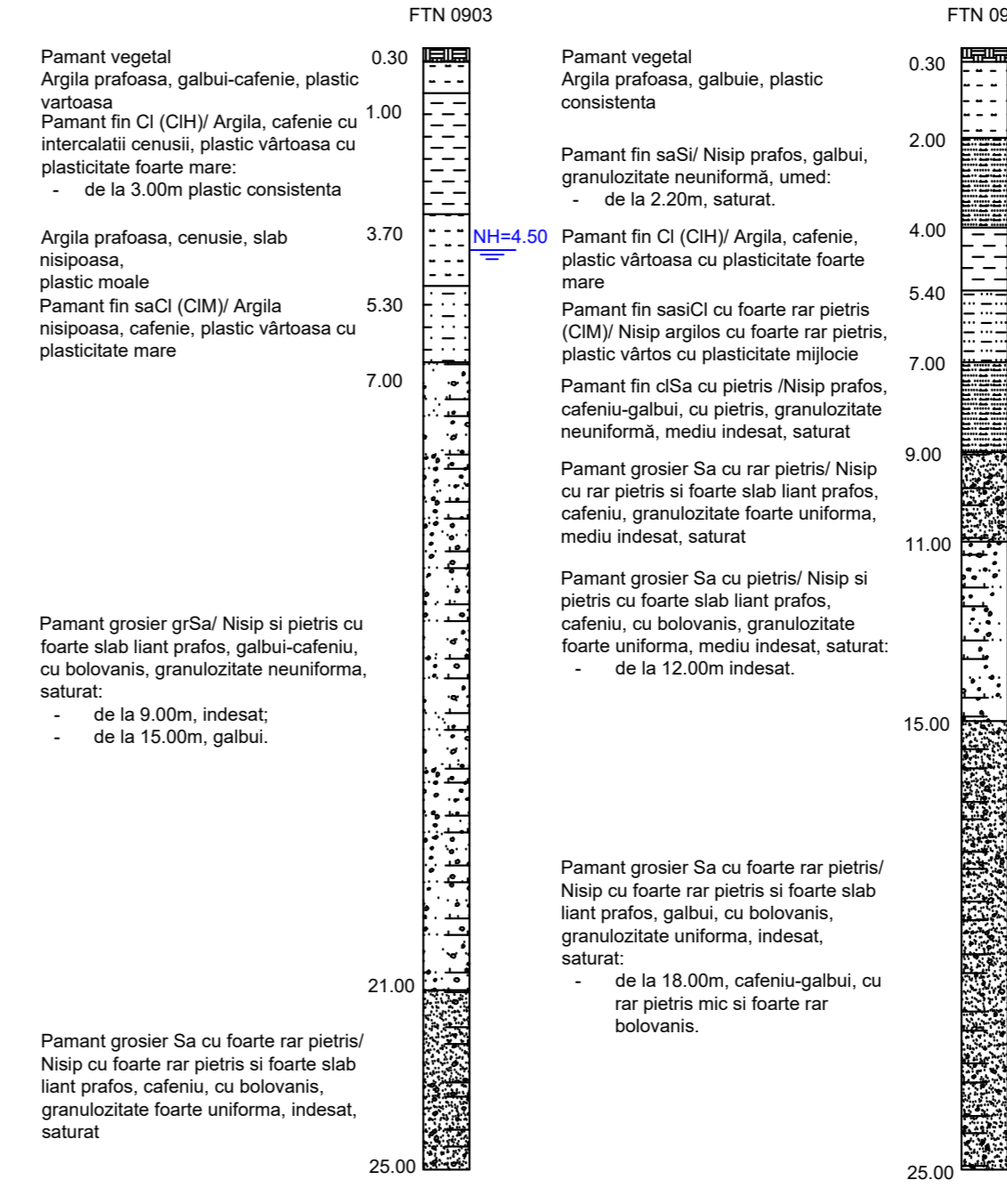
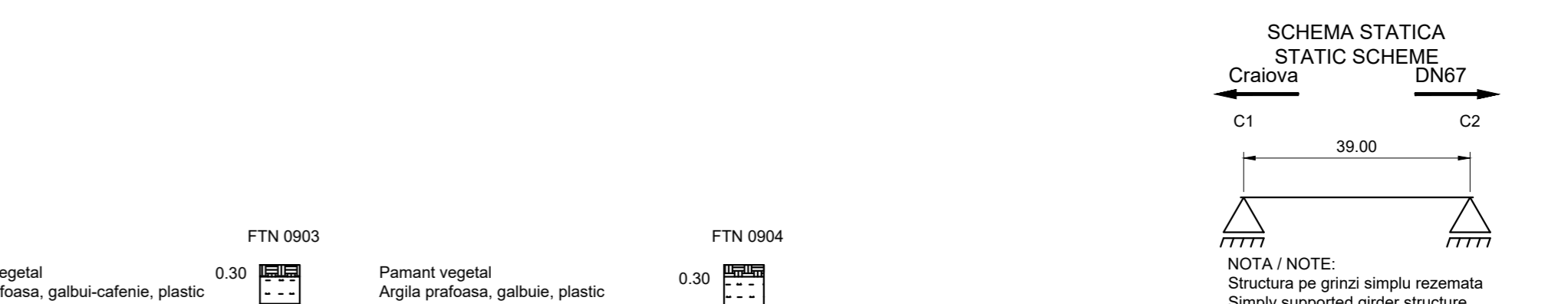
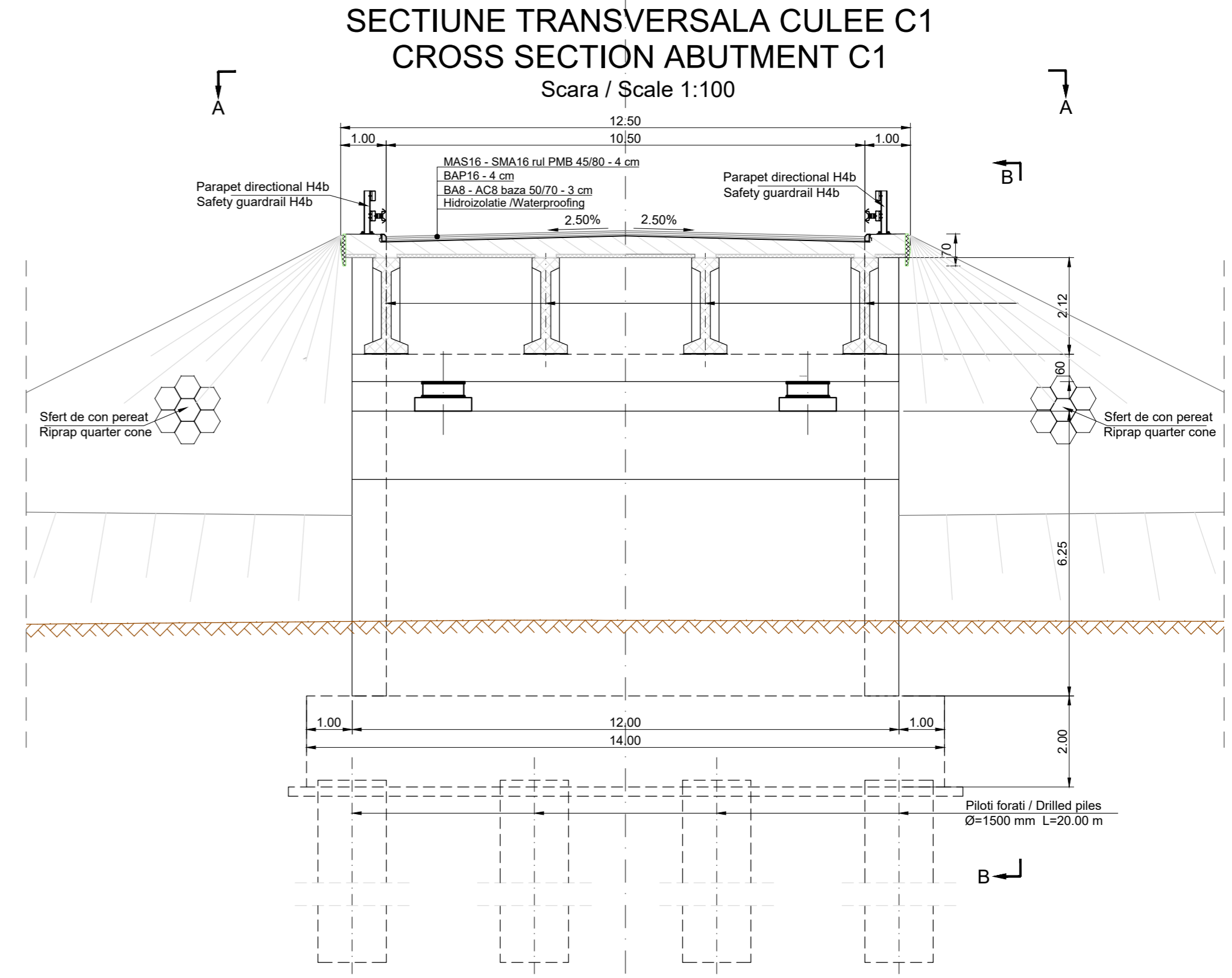
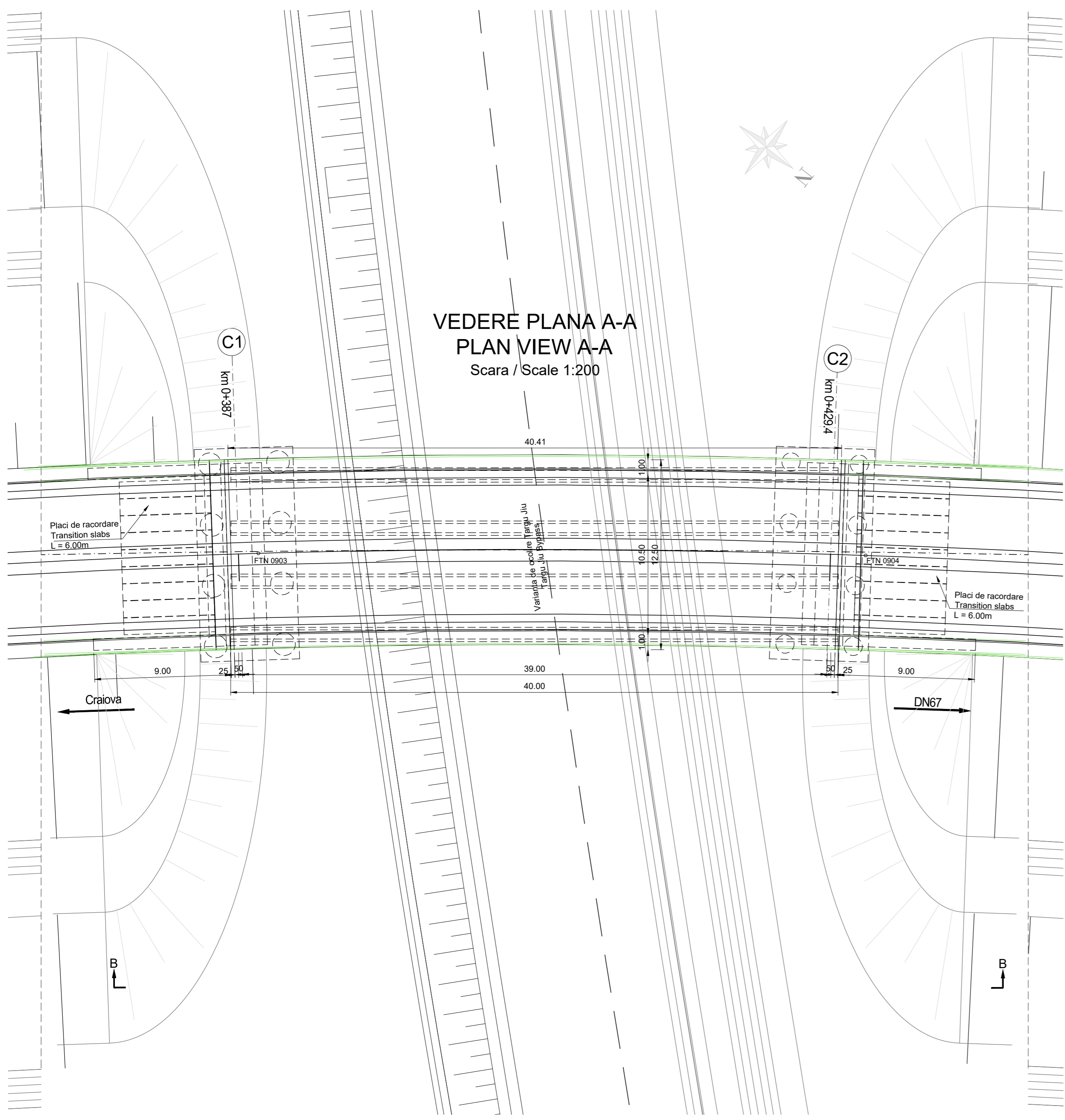
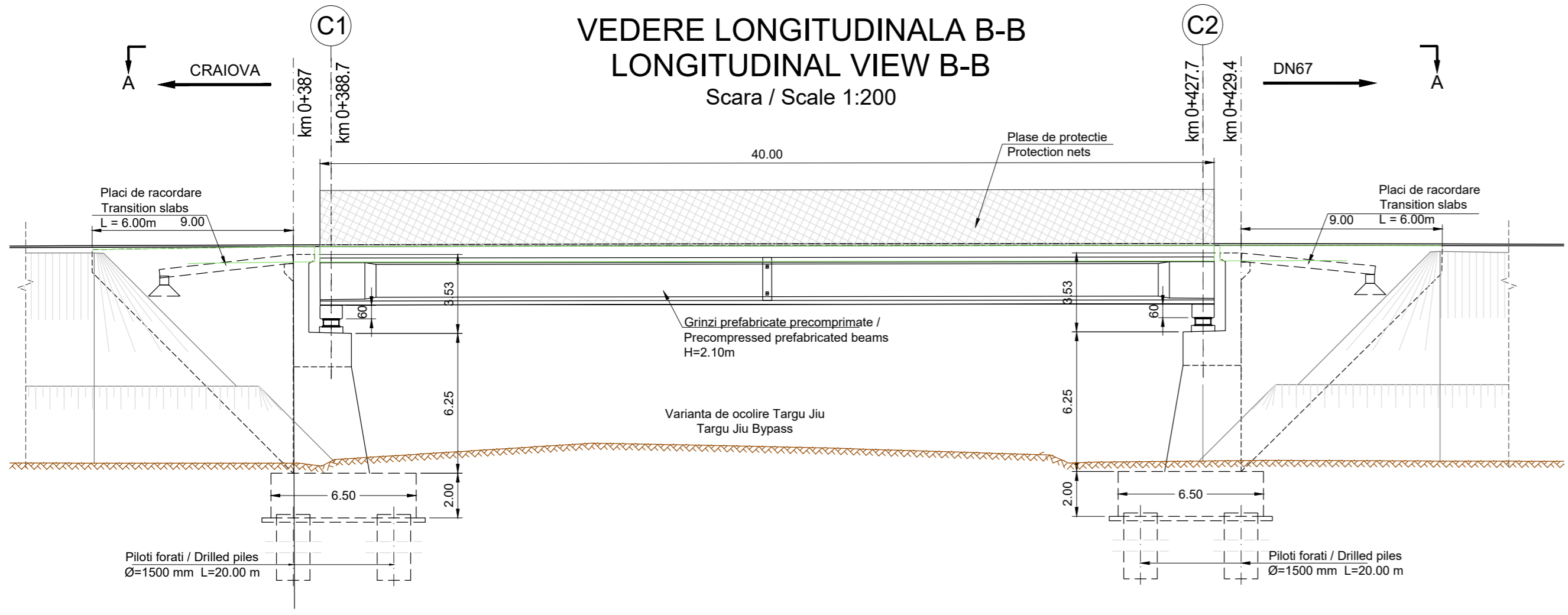
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLE

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. BARONCEA

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: M. ANDREI

VERIFICATOR INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 62/22/19
Contract no. 10/2023
Data: 10/2023
Scara: 1:100
Cod desen: 22/19/07/SP-6-LA-3-00-8_22/19
Drawing number:



CENTRALIZATOR CLASE DE BETON CONCRETE CLASS SUMMARY

Element / Element	Clasa de beton / Concrete class	Clase de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Preslabs	C35/45	XC3 XF1 XF3

Durata de viata: 120 ani Convoaie de calcul LM1 - acc. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005 Categorie de importanta: "B" Grad de seismicitate: "7", acc. SR 11100/1-93 a ₀ =0.15g, T _c =0.7s conf. P100-1:2013 Exigente de verificare faza PT: A4, B2, D Af	Lifespan: 120 years Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005 Importance category: "B" Seismic area characteristics: "7", acc. SR 11100/1-93 a ₀ =0.15g, T _c =0.7s acc. P100-1:2013 Quality requirements for TP phase: A4, B2, D Af
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Conform recomandarilor Studiului Geotehnic structura este fundata indirect pe piloti forati. Diametrul si lungimea pilotilor vor fi definitivate in etapa urmatoare de proiectare conform HG 907.

According to the recommendations of the Geotechnical Study, the structure is indirectly founded on drilled piles. The diameter and length of the piles will be finalized in the next stage of design according to HG 907.

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatatiri ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT: COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT ASOCIEREA / DESIGNER ASSOCIATION: egis SEARCH CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILIASI SI DRUM EXPRES FILIASI-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILIASI MOTORWAY AND FILIASI-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA
GENERAL LAYOUT
Pasaj pe Bretea 2 Nod Targu Jiu km 0+387 peste Varianta de ocolire Targu Jiu / Passage on Link 2 Targu Jiu Interchange pk 0+387 over Targu Jiu Bypass

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THADANI

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLO, G. BARONCEA, M. ANDREI

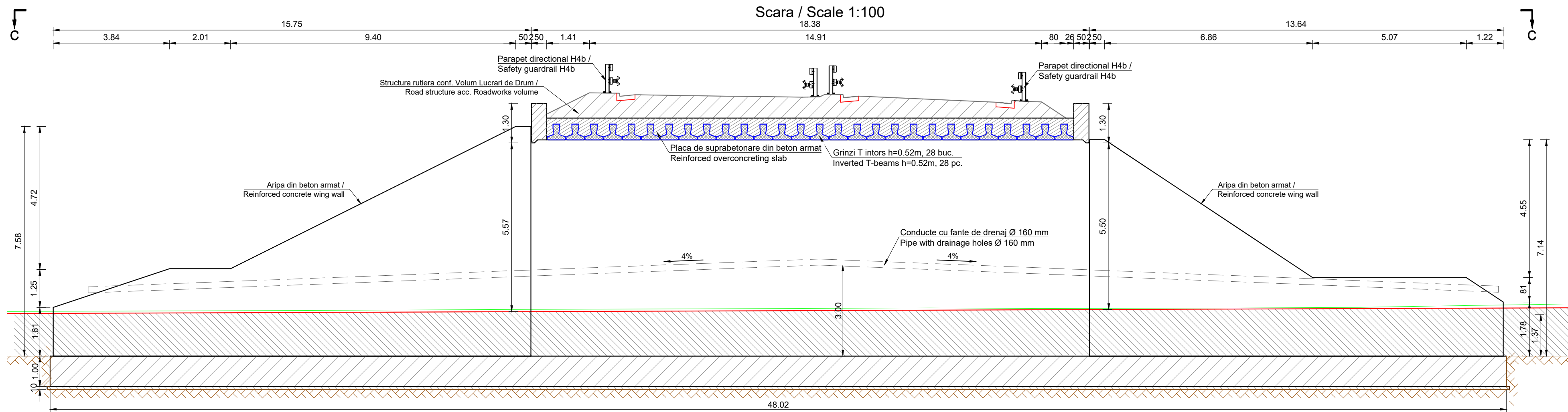
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: A. PRODAN

VERIFICATOR INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 92/2279 / Contract no. 92/2279
Data: 10/2023 / Date: 10/2023
Cod desen: 22579-C7J-SF-6-LA-3-DG-SN_9_1400 / Drawing number: 9_1400

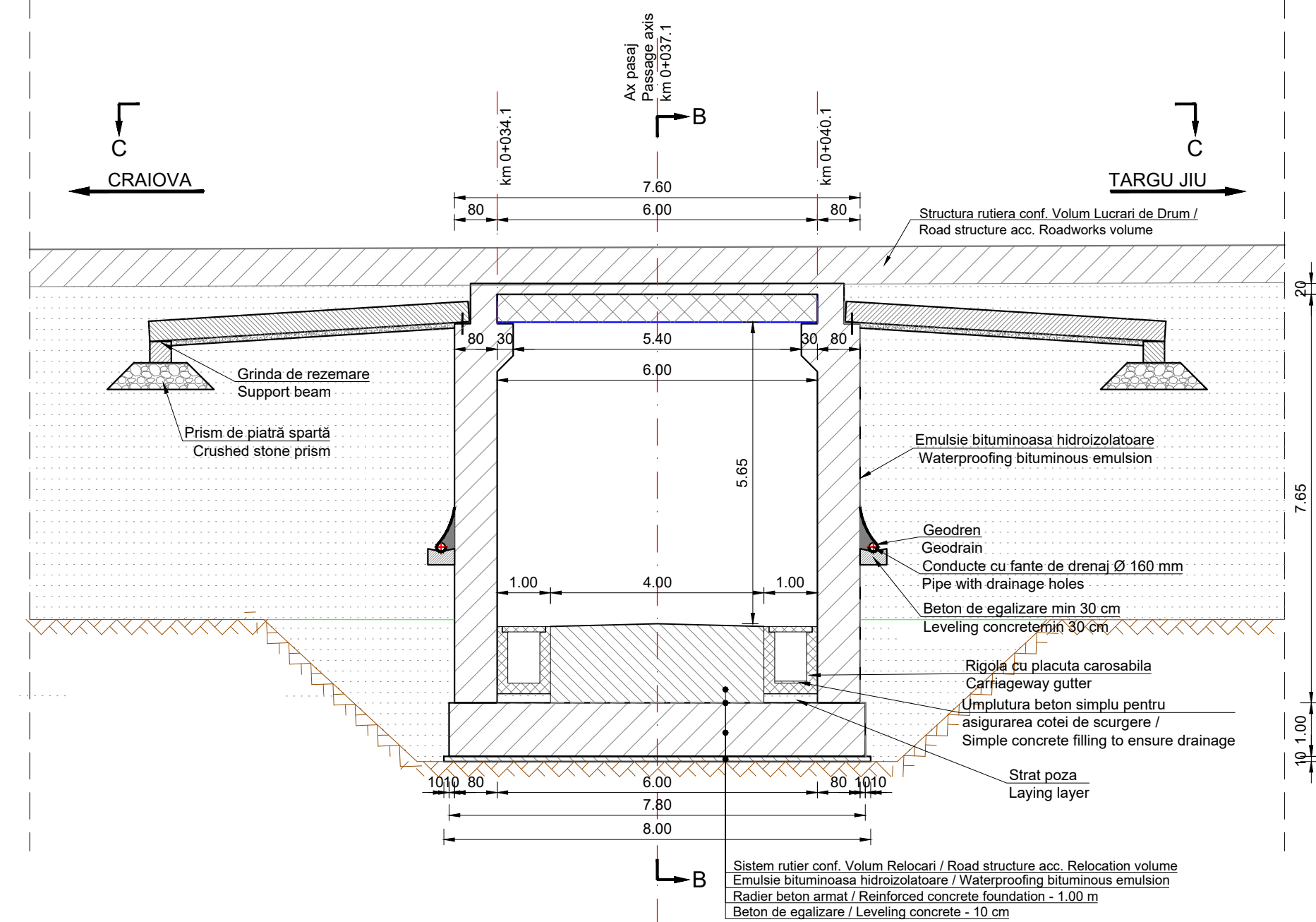
ELEVATIE B-B ELEVATION B-B

Scara / Scale 1:100



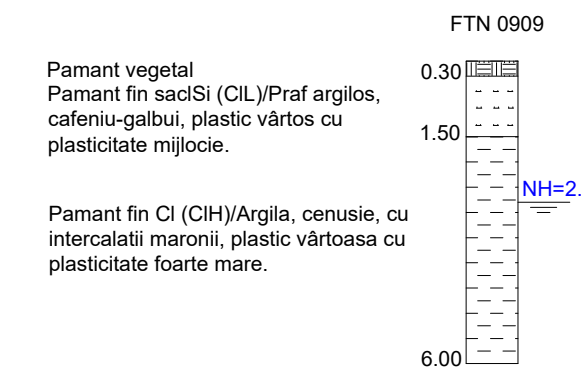
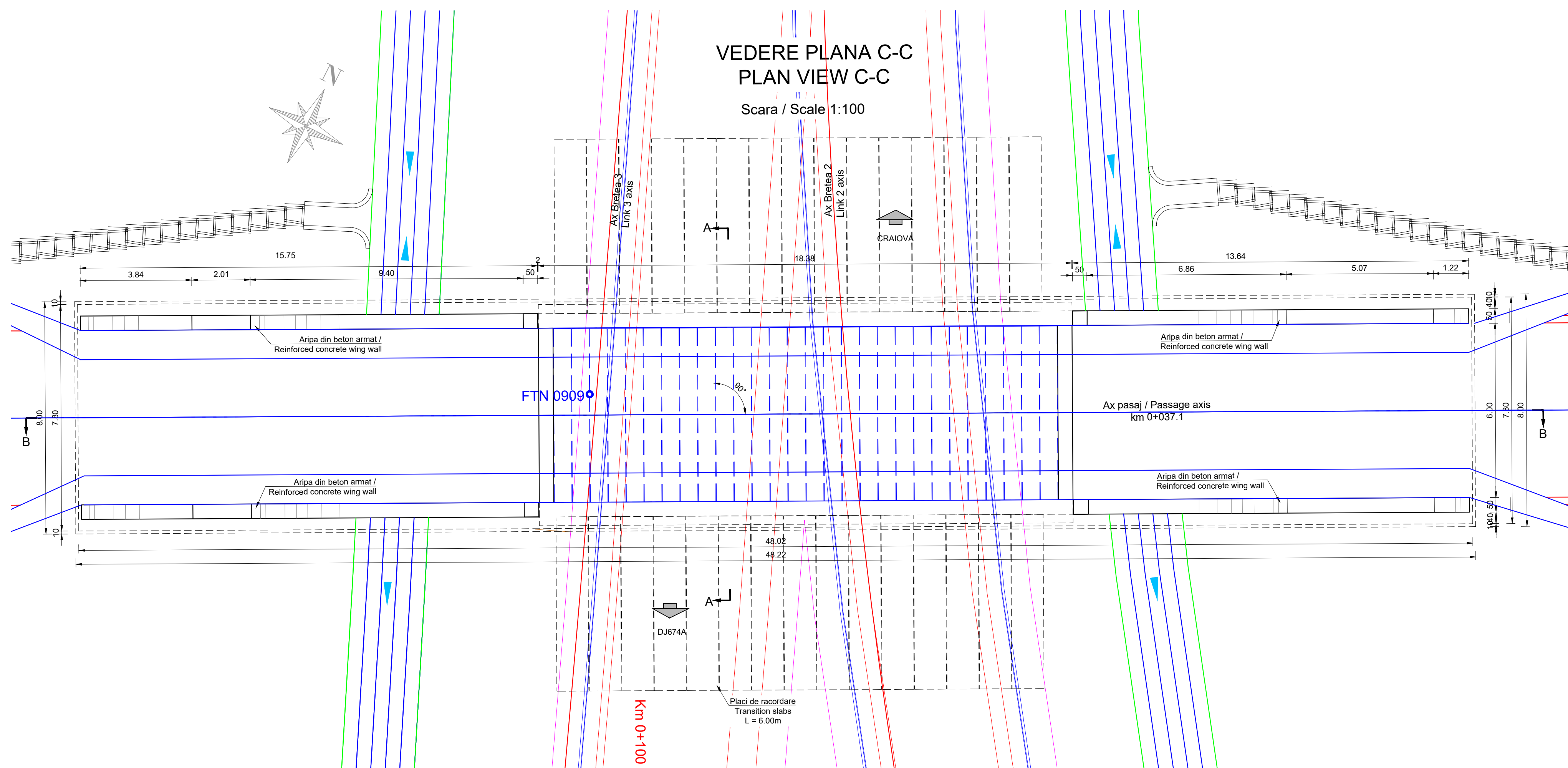
SECTIUNE A-A CROSS SECTION A-A

Scara / Scale 1:100



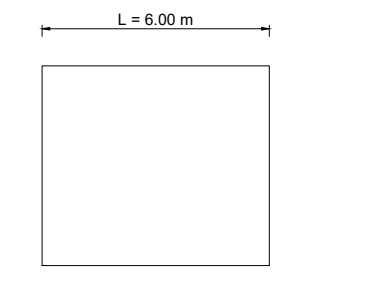
VEDERE PLANA C-C PLAN VIEW C-C

Scara / Scale 1:100



Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloti forati / Drilled piles	C30/37	XC4
Radieri / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Pereu / Riprap	C30/37	XC4 XF2
Fundatii pereu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Pre-slabs	C35/45	XC3 XF1 XF3

SCHEMA STATICA
STATIC SCHEME



Nota / Note:
Structura casetata executata monolit /
Monolithic box structure

Durata de viata: 120 ani
Convoaie de calcul
LM1 - conf. SR EN 1991-2:2005
LM2 - conf. SR EN 1991-2:2005
Categorie de importanta: "B"
Grad de seismicitate:
7, conf. SR 11100/1-93
a_s=0.15g, T_c=0.7s conf. P100-1:2013
Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
Loading convoys
LM1 - acc. SR EN 1991-2:2005
LM2 - acc. SR EN 1991-2:2005
Importance category: "B"
Seismic area characteristics:
7, acc. SR 11100/1-93
a_s=0.15g, T_c=0.7s acc. P100-1:2013
Quality requirements for TP phase: A4, B2, D Af

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativa. Profilele transversale tip se regasesc in volumul de Lucrari de Drum.
- Eventuale imbunatari ale terenului de fundare se vor executa conform recomandarilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.

BENEFICIAR / CLIENT:
COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIEREA / DESIGNER ASSOCIATION:
egis ROMANIA SA
SEARCH CORPORATION SRL

ELABORARE STUDIU DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILASII SI DRUM EXPRES FILASII-TARGU JIU
PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILASII MOTORWAY AND FILASII-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA
GENERAL LAYOUT
Pasaj pe Bretea 3 Nod Targu Jiu km 0+034 peste Drum local 50 / Passage on Link 3 Targu Jiu Interchange pk 0+034 over Local road 50

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY: R. THASANI

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. PERICOLO

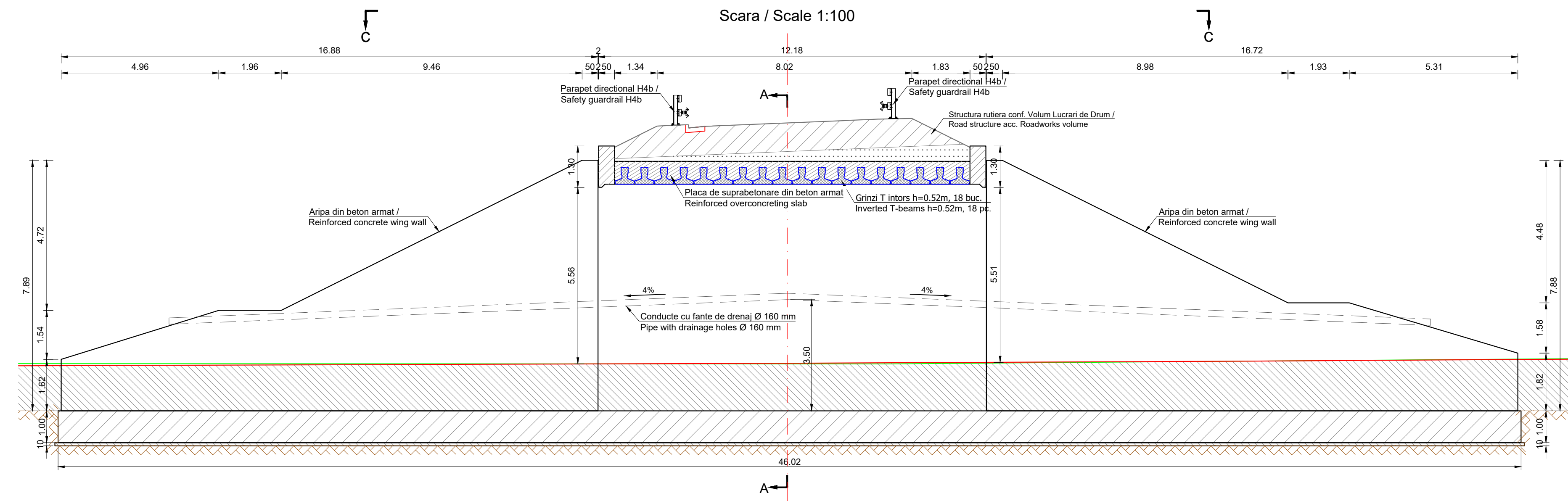
INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: G. BARONCEA

INGINER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER: M. ANDREI

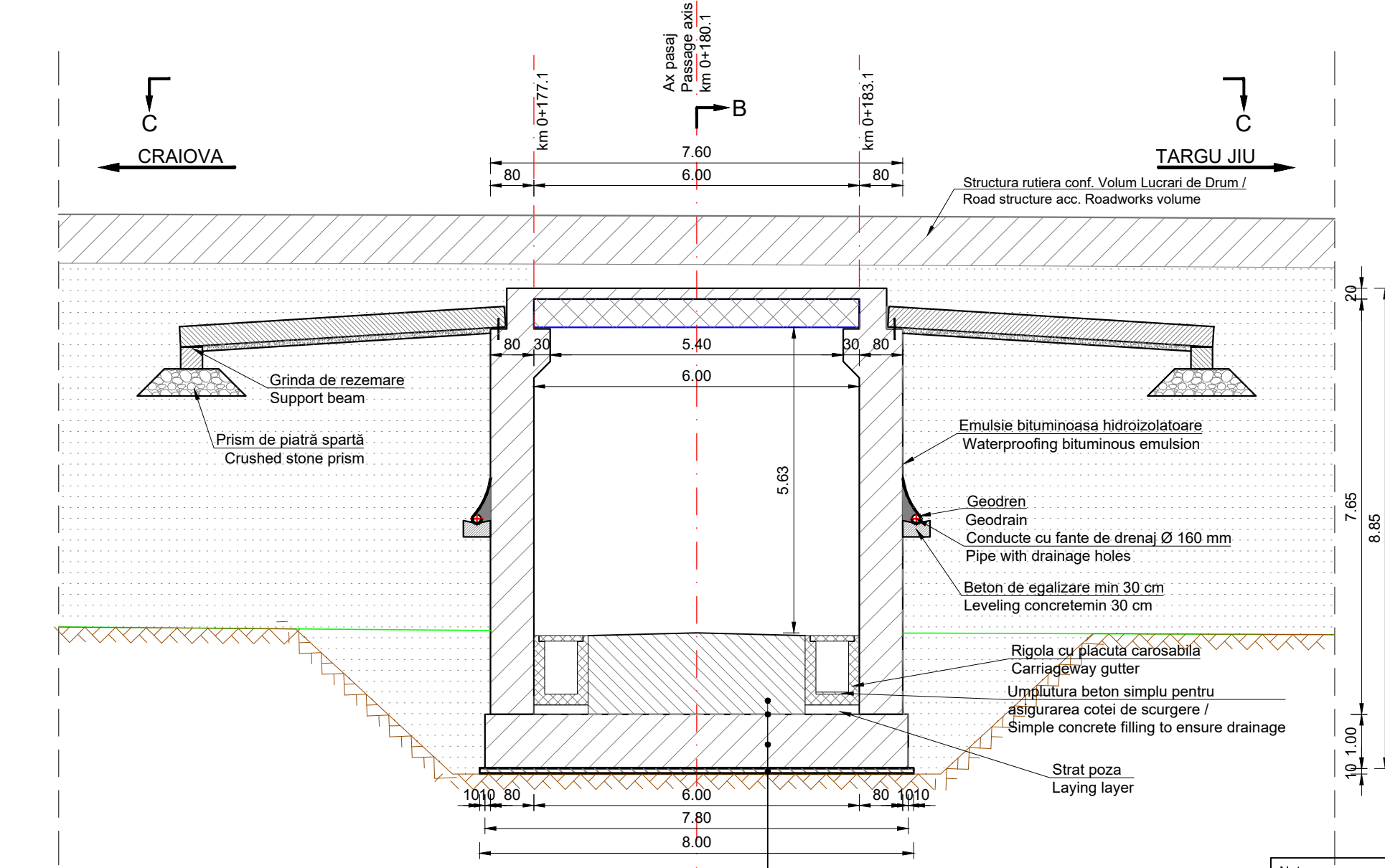
VERIFICAT INTERN / INTERNAL CHECKER: A. PRODAN

Contract nr. 92/2579 / Revision nr. 0
Data: 10/2023 / Scar: 1:100
Date: / Scale:
Cod desen: 22579-C1J-SF-6LA-3.3-DG-SN_9.2400 / Drawing number:

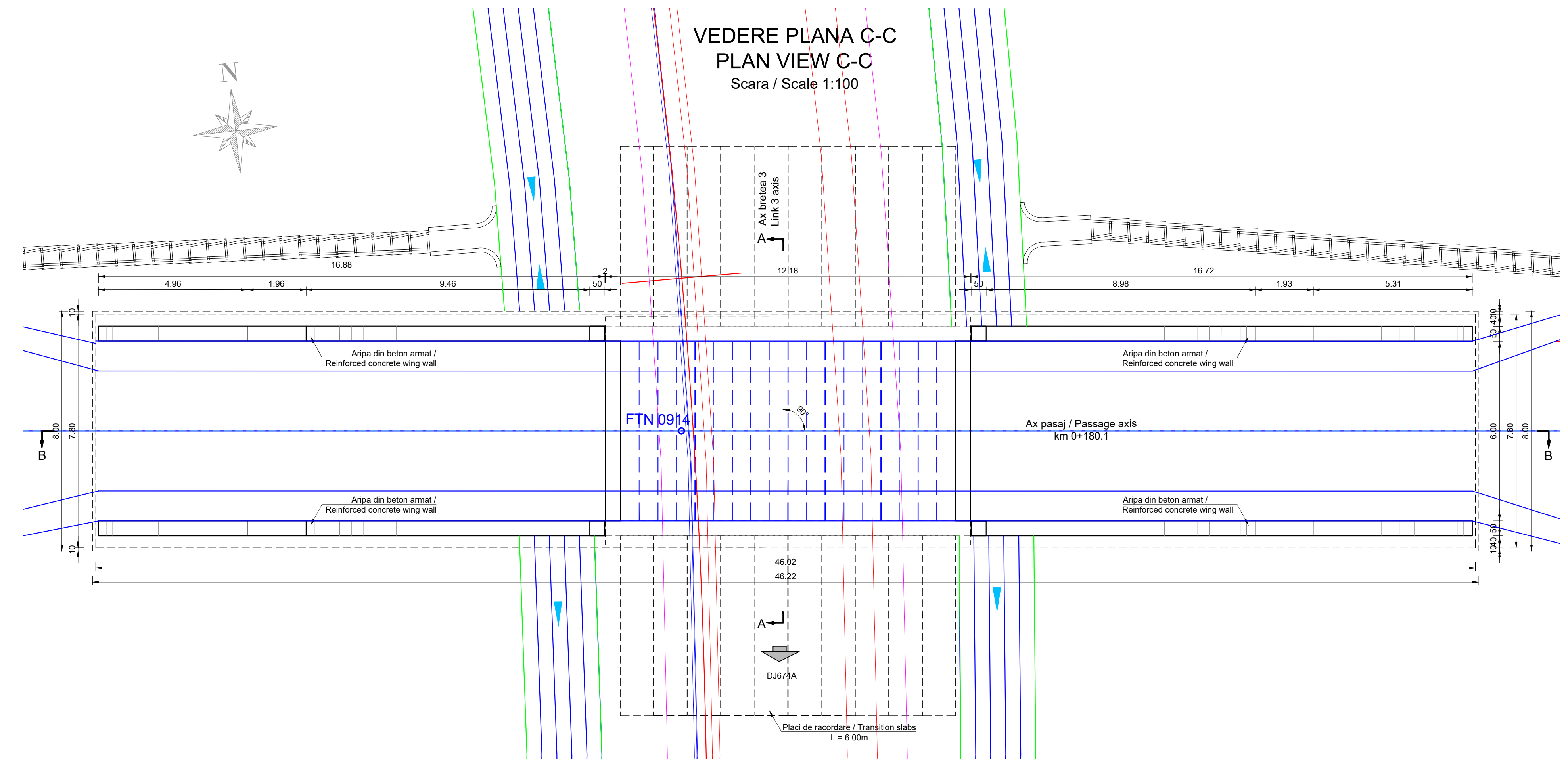
**ELEVATIE B-B
ELEVATION B-B**
Scara / Scale 1:100



**SECTIUNE A-A
CROSS SECTION A-A**
Scara 1:100



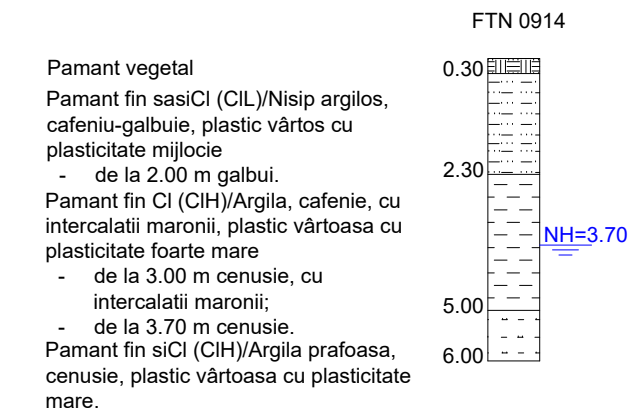
**VEDERE PLANA C-C
PLAN VIEW C-C**
Scara / Scale 1:100



Sistem rutier conf. Volum Relocari / Road structure acc. Relocation volume
 Emulsie bituminoasă hidroizolatoare / Waterproofing bituminous emulsion
 Radier beton armat / Reinforced concrete foundation - 1.00 m
 Beton de egalizare / Leveling concrete - 10 cm

Note:

- Reprezentarea profilului de Autostrada / Drum Expres / drum este informativă. Profilele transversale tip se regăsesc în volumul de Lucrari de Drum.
- Eventuale îmbunătățiri ale terenului de fundare se vor executa conform recomandărilor Studiului Geotehnic.
- Representation of the profile for Motorway / Express Road / road is informative. Typical cross-sections are found in the Roadworks volume.
- Possible improvements of the foundation ground will be executed according to recommendations of the Geotechnical Study.



**CENTRALIZATOR CLASE DE BETON
CONCRETE CLASS SUMMARY**

Element / Element	Clasa de beton / Concrete class	Clasa de expunere / Exposure classes
Beton de egalizare / Leveling concrete	C12/15	X0
Piloți forati / Drilled piles	C30/37	XC4
Radiere / Foundations	C35/45	XC4
Elevatii / Elevations	C35/45	XC4 XD3 XF4
Placa de suprabetonare / Overconcreting slab	C35/45	XC1 XD3
Antretoaze / Cross beams	C35/45	XC1 XD3
Peruu / Riprap	C30/37	XC4 XF2
Fundatii peruu / Riprap foundations	C30/37	XC4
Aripi / Wing Walls	C35/45	XC4 XD3 XF4
Grinzi prefabricate / Prefabricated beams	C50/60	XC3 XF1 XF3
Predale / Prestriabs	C35/45	XC3 XF1 XF3

**SCHEMA STATICA
STATIC SCHEME**
L = 6.00 m

Durata de viata: 120 ani
 Convoaie de calcul LM1 - conf. SR EN 1991-2:2005 LM2 - conf. SR EN 1991-2:2005
 Categorie de importanta: "B"
 Grad de seismicitate: "7", conf. SR 11100/1-93
 a_s=0.15g, T_c=0.7s conf. P100-1:2013
 Exigente de verificare faza PT: A4, B2, D Af

Lifespan: 120 years
 Loading convoys LM1 - acc. SR EN 1991-2:2005 LM2 - acc. SR EN 1991-2:2005
 Importance category: "B"
 Seismic area characteristics: "7", acc. SR 11100/1-93
 Quality requirements for TP phase: A4, B2, D Af

Nota / Note:
 Structura casetata executata monolit / Monolithic box structure

BENEFICIAR / CLIENT:
 COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE
 NATIONAL ADMINISTRATION COMPANY OF ROAD INFRASTRUCTURE

PROIECTANT / ASOCIEREA / DESIGNER ASSOCIATION:
 egis | SEARCH CORPORATION
 EGIS ROMANIA SA | SEARCH CORPORATION SRL

ELABORARE STUDIULUI DE FEZABILITATE SI PROIECT TEHNIC PENTRU AUTOSTRADA CRAIOVA-FILASII SI DRUMUL EXPRES FILASII-TARGU JIU
 PREPARATION OF FEASIBILITY STUDY AND TECHNICAL DESIGN FOR CRAIOVA-FILASII MOTORWAY AND FILASII-TARGU JIU EXPRESS ROAD

LUCRARI DE PODURI, VIADUCTE SI PASAJE
 BRIDGES, VIADUCTS AND PASSAGES WORKS

DISPOZITIE GENERALA
 Pasaj pe Bretea 3 Nod Targu Jiu km 0+177 peste Drum local 51 / Passage on Link 3 Targu Jiu Interchange pk 0+177 over Local road 51

COORDONATOR ADJUNCT DE PROIECT / PROJECT COORDINATOR DEPUTY:
 R. THASANI

INGINIER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER:
 G. PERICOLU

INGINIER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER:
 G. BARONCEA

INGINIER PROIECTANT DE PODURI / BRIDGE DESIGN ENGINEER:
 M. ANDREI

VERIFICAT INTERN / INTERNAL CHECKER:
 A. PRODAN

Contract nr. 92/2579 / Revision nr. 0
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 Cod desen: 22579-C1J-SF-6LA-3.3-DG-SN_9.3-000 / Drawing number: