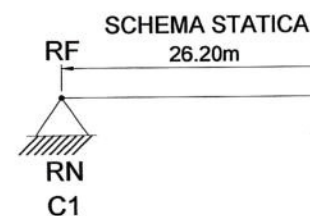
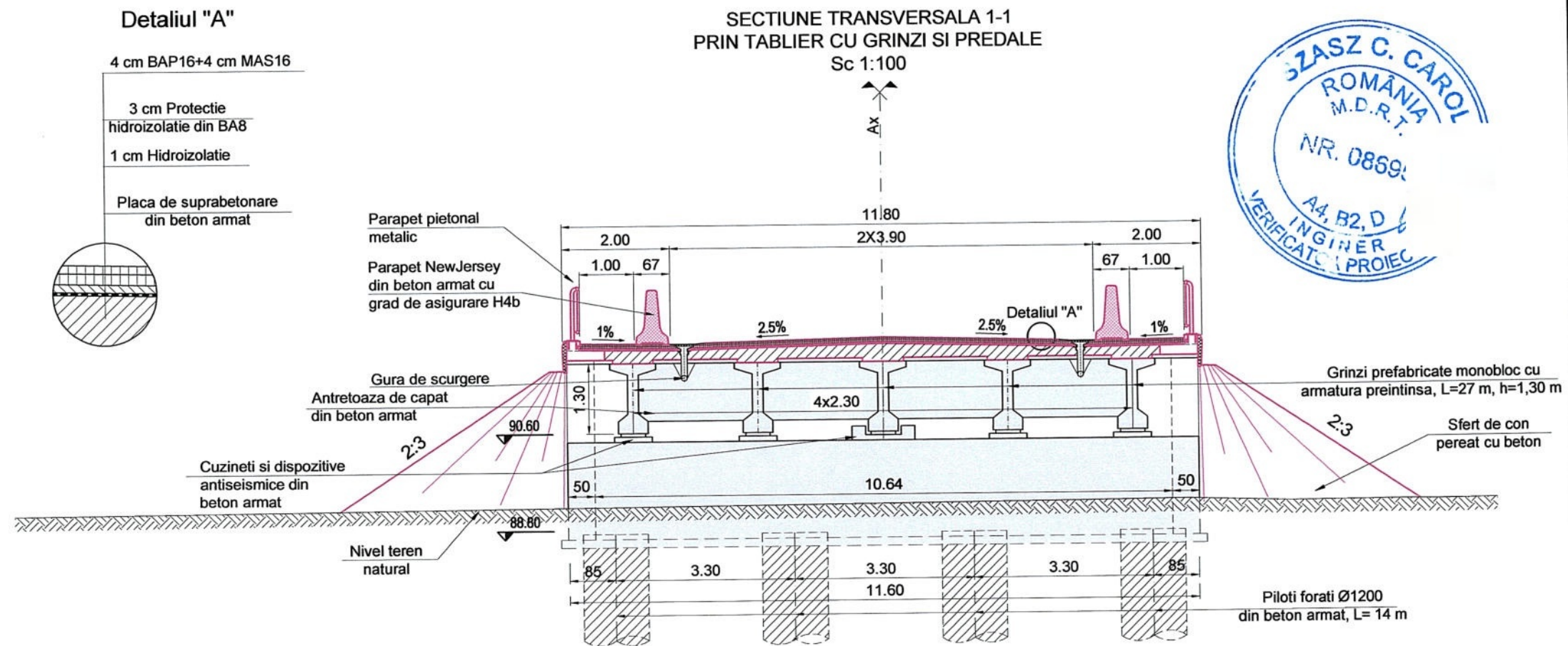
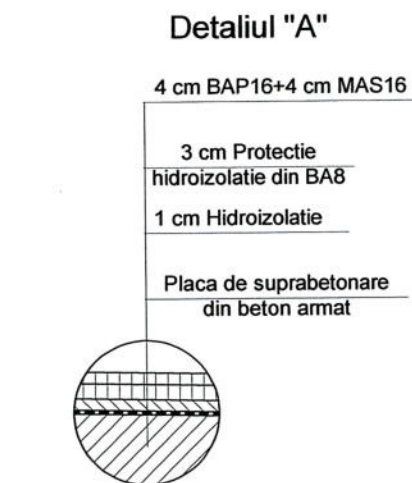
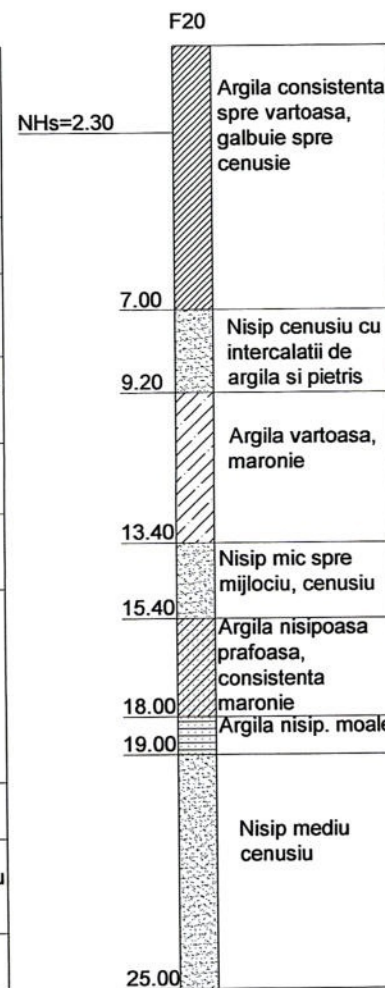
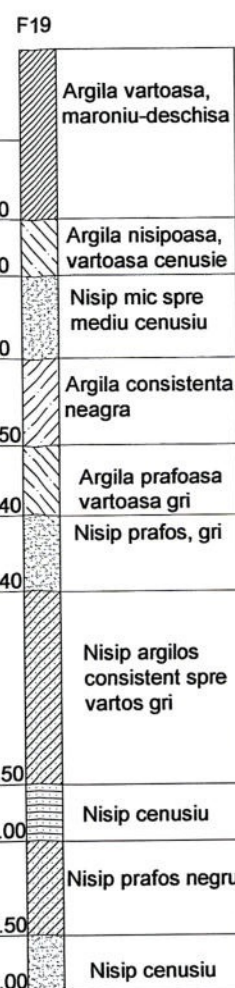


Convoiul de calcul: LM1, LM2(SR EN 1991-2/2005).  
Caracteristicile seismice ale zonei:  $a_g=0,2g$ ,  $T_c=0,7$  S  
conform cod P100/1-2013, SR EN 1998-2/2006.  
Categorie de importanta: C.  
Exigente de verificare: A4, B2, D2.



RN - aparat de reazem din neopren  
RD - rost de dilatare  
RF - aparat de reazem fix  
RM - aparat de reazem mobil



TABEL CENTRALIZATOR			
NR.CRT.	ELEMENT	CLASA DE BETON	CLASA DE EXPUNERE
1	Piloti	C25/30	XC4
2	Beton de egalizare	C8/10	-
3	Radiere culee si pile	C25/30	XC2, XF3
4	Elevatii culee	C35/45	XC4, XD1, XF2
5	Elevatii pile, rigle, cuzineti	C35/45	XC4, XD3, XF2
6	Grinzi prefabricate	C50/60	XC4, XD1, XF2
7	Placa de suprabetonare	C35/45	XC3, XD1, XF2
8	Antretoaze	C35/45	XC4, XF2
9	Predale	C35/45	XC4, XD1, XF2
10	Lise prefabricate	C35/45	XC4, XD3, XF4
11	Grinda de rezemare, placi de racordare	C25/30	XC2, XF2

#### LEGENDA:

REALIZAT-

NEREALIZAT-

#### NOTA:

- Toate fisurile si degradarile intalnite pe fetele de beton existente se vor remedia cu injectari cu mortare speciale sau rasini epoxidice;
- Toate elementele de beton vor fi protejate anticoroziv;



Technical drawing of a bridge structure, showing a plan view and a cross-section.

**Plan View Dimensions:**

- Total length:  $L_{tot} = 32.30m$
- Bridge deck width:  $28.00m$
- Bridge deck height:  $11.80m$
- Bridge deck width (excluding side slopes):  $2 \times 3.90m$
- Bridge deck width (including side slopes):  $2 \times 2.00m$
- Bridge deck width (including side slopes and abutments):  $2 \times 2.15m$
- Bridge deck width (including side slopes and abutments):  $2 \times 2.15m$

**Plan View Labels:**

- Placi de racordare  $L = 6.00m$
- Canal Bega
- F19
- F20
- DN6
- NHs=2

**Cross-Section Dimensions:**

- Bridge deck width:  $28.00m$
- Bridge deck height:  $11.80m$
- Bridge deck width (excluding side slopes):  $2 \times 3.90m$
- Bridge deck width (including side slopes):  $2 \times 2.00m$
- Bridge deck width (including side slopes and abutments):  $2 \times 2.15m$
- Bridge deck width (including side slopes and abutments):  $2 \times 2.15m$

**Cross-Section Labels:**

- Placi de racordare  $L = 6.00m$
- Canal Bega
- F19
- F20
- DN6
- NHs=2

Canal Bega

DN6

1

1

2.15

2.15

Parapet pietonal

Ltot = 32.30m

28.00

90.57

90.60

Grinzi prefabricate precomprimate  
L=27 m, h=1.30 m

1.80

1.80

88.77

1.94

NA 2%=88.69

88.80

2.00

2.00

Piloti forati Ø1200,  
din beton armat, L= 14 m

C1

C2

Piloti forati Ø1200  
din beton armat, L= 14 m

F20

**SCHEMA STATICA**

26.20m

R1      RF      RM      R2

$\Delta = \pm 80 \text{ mm}$        $\Delta = \pm 80 \text{ mm}$

RN      RN      RN      RN

C1      C2

F19	
0.00	Argila vartoasa, maroniu-deschisa
4.50	Argila nisipoasa, vartoasa cenusie
6.00	Nisip mic spre mediu cenusiu
8.20	Argila consistenta neagra
10.50	Argila prafoasa vartoasa gri
12.40	Nisip prafos, gri
14.40	Nisip argilos consistent spre vartos gri
19.50	Nisip cenusiu
21.00	Nisip prafos negru
23.50	Nisip cenusiu
25.00	Nisip cenusiu

Diagram illustrating the geological profile of a road section, showing the vertical distribution of soil layers and their depths relative to the ground surface (F20).

The profile is defined by the following layers and depths:

- Surface:** F20
- Layer 1:** Argila consistentă spre vartoasă, galbuie spre cenușie (Consistent clay, tending to be friable, yellowish to ashy). Depth range: 0.00 to 7.00 m.
- Layer 2:** Nisip cenușiu cu intercalații de argilă și pietriș (Ashy sand with intercalations of clay and gravel). Depth range: 7.00 to 9.20 m.
- Layer 3:** Argila vartoasă, maronie (Friable clay, brown). Depth range: 9.20 to 13.40 m.
- Layer 4:** Nisip mic spre mijlociu, cenușiu (Fine to medium sand, ashy). Depth range: 13.40 to 15.40 m.
- Layer 5:** Argilă nisipoasă prăfoasă, consistentă maronie (Sandy, silty, friable, consistent brown clay). Depth range: 15.40 to 18.00 m.
- Layer 6:** Argilă nisip. moale (Sandy, soft clay). Depth range: 18.00 to 19.00 m.
- Layer 7:** Nisip mediu cenușiu (Medium sand, ashy). Depth range: 19.00 to 25.00 m.

The total depth of the profile is 25.00 m.

4 cm BAP16+4 cm MAS16

3 cm Protecție hidroizolatie din BA8

1 cm Hidroizolatie

Placa de suprabetonare din beton armat

Technical cross-section drawing of a bridge structure. The drawing shows a concrete slab with precast beams (Grinzi prefabricate monobloc cu armatura preintinsa, L=27 m, h=1,30 m) supported by a concrete base with anti-seismic devices (Cuzineti si dispozitive antiseismice din beton armat). The base is supported by bored piles (Piloti forati Ø1200 din beton armat, L=14 m). The drawing includes dimensions: total width 11.80 m, slab width 2.00 m, beam spacing 2x3.90 m, and pile spacing 3.30 m. It also shows elevations: 90.60 m for the slab top and 88.80 m for the natural ground level (Nivel teren natural). A detail 'A' is indicated on the slab.

NOTA:

- Toate fisurile si degradarile intalnite pe fetele de beton existente se vor remedia cu injectari cu mortare speciale sau rasini epoxidice;
- Toate elementele de beton vor fi protejate anticoroziv;

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE  
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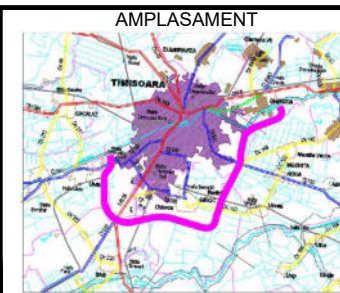
PROIETTANT GENERAL

THE WAY TO DARE BEYOND THE LIMITS

**DP**

**CONSULT**

DP CONSULT S.A.



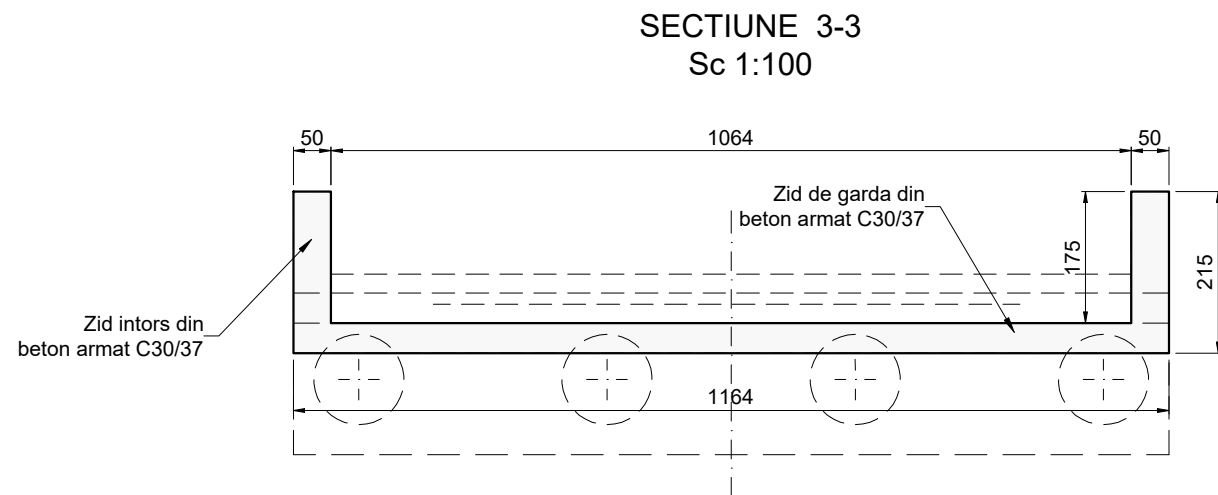
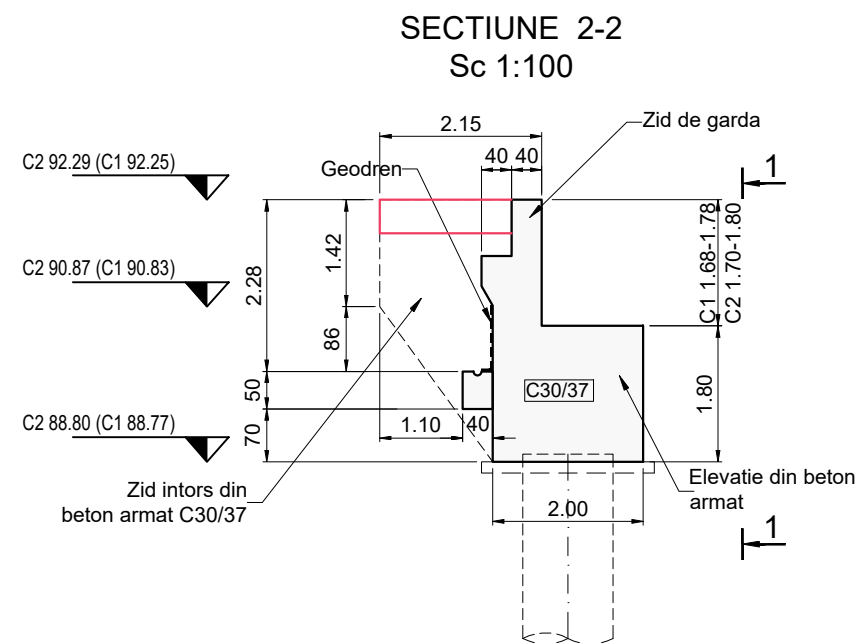
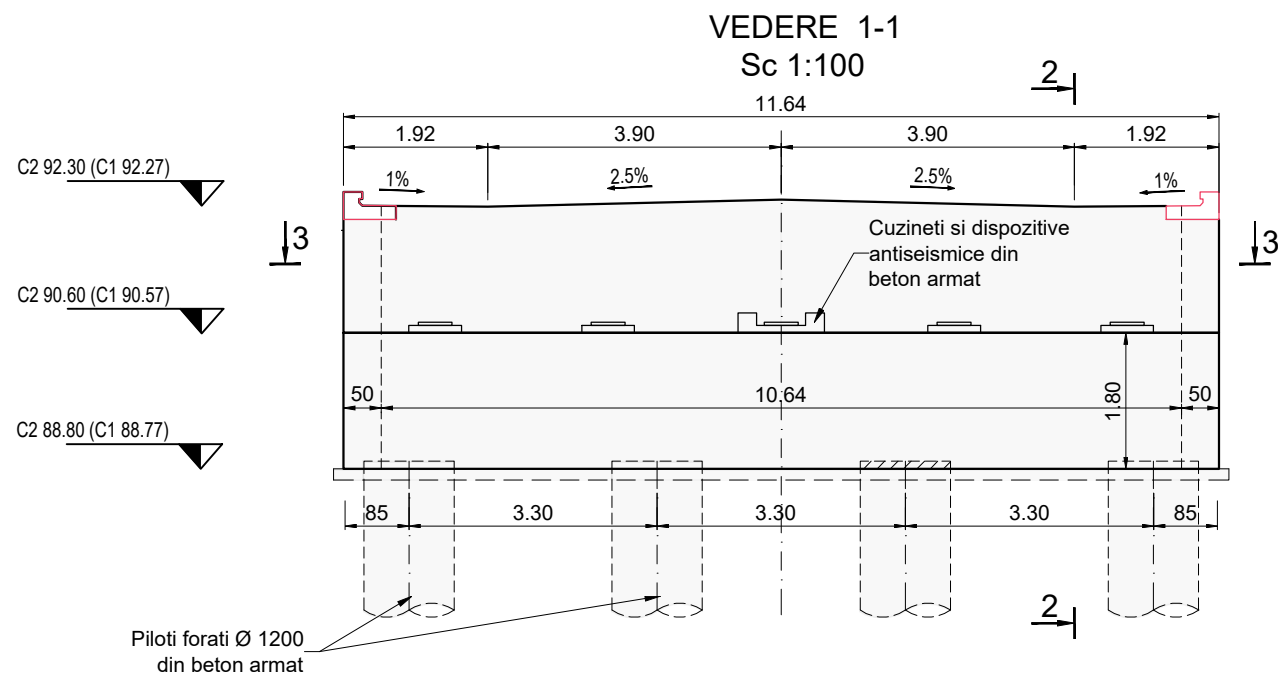
<p>DENUMIRE PROIECT PROIECTARE SI EXECUTIE "VARIANTA DE OCOLIRE TIMISOARA SUD" ELABORARE PROIECT TEHNIC REST DE EXECUTAT</p>
<p>NUMAR CONTRACT: 550/36/09.02.2021</p>
<p>NUMAR PROIECT : 556</p>

VERIFICATOR TEHNIC

Manager de Proiect	ing. Silivan Moldovan
Sef Echipa Proiectare	ing. Raul Cocis
Inginer Proiectant Poduri	ing. Attila Takacs
Inginer Proiectant	ing. Anamaria Virvaruti

REVIZII		
NR. REV.	DATA	SEMN.

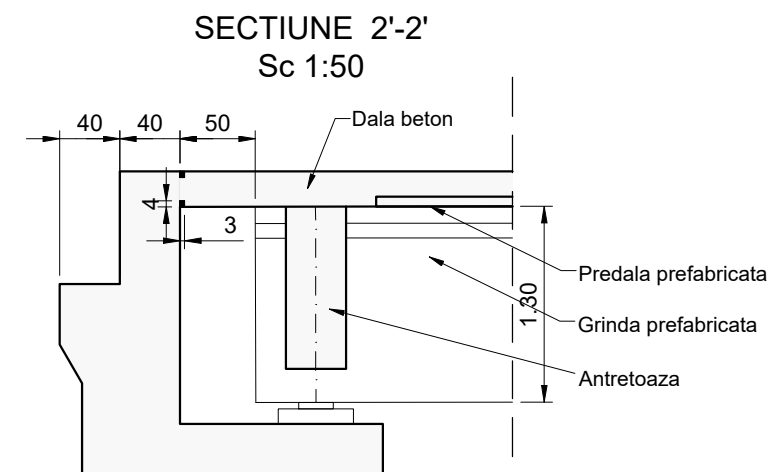
DENUMIRE PLANSĂ		
POD KM 18+926 PESTE CANAL DE IRIGAȚII RELEVU LUCRĂRI EXECUTATE		
Scara :	1:100	1:200
NUMAR PLANSĂ		
10036-VOTM-STR10-RLE-01		



CERINTE DE CALITATE  
BETON EGALIZARE  
Beton: C8/10  
Otel: -  
Clasa de expunere: -  
Valoare max. A/C: -  
Dozaj min. ciment: -

CERINTE DE CALITATE  
RADIERE/FUNDATII  
Beton: C25/30  
Otel: BST500C  
Clasa de expunere: XC2, XF3.  
Valoare max. A/C: 0.55<sup>a</sup>  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

CERINTE DE CALITATE  
ELEVATII  
Beton: C30/37  
Otel: BST500C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.50  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>



LEGENDA:

REALIZAT-

NEREALIZAT-

NOTA:

- Toate elementele de beton in contact cu pamantul se vor proteja cu emulsie bituminoasa sau alte solutii de protectie anticoroziva

INVESTITOR



COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



D.P. CONSULT S.A.

AMPLASAMENT



DENUMIRE PROIECT  
PROIECTARE SI EXECUTIE  
"VARIANTA DE OCOLIRE  
TIMISOARA SUD"  
ELABORARE PROIECT TEHNIC  
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect  
ing. Silivan Moldovan

Sef Echipa Proiectare  
ing. Raul Cocis

Inginer Proiectant Poduri  
ing. Attila Takacs

Inginer Proiectant  
ing. Anamaria Virvaruti

REVIZII

NR. REV. DATA SEMN.

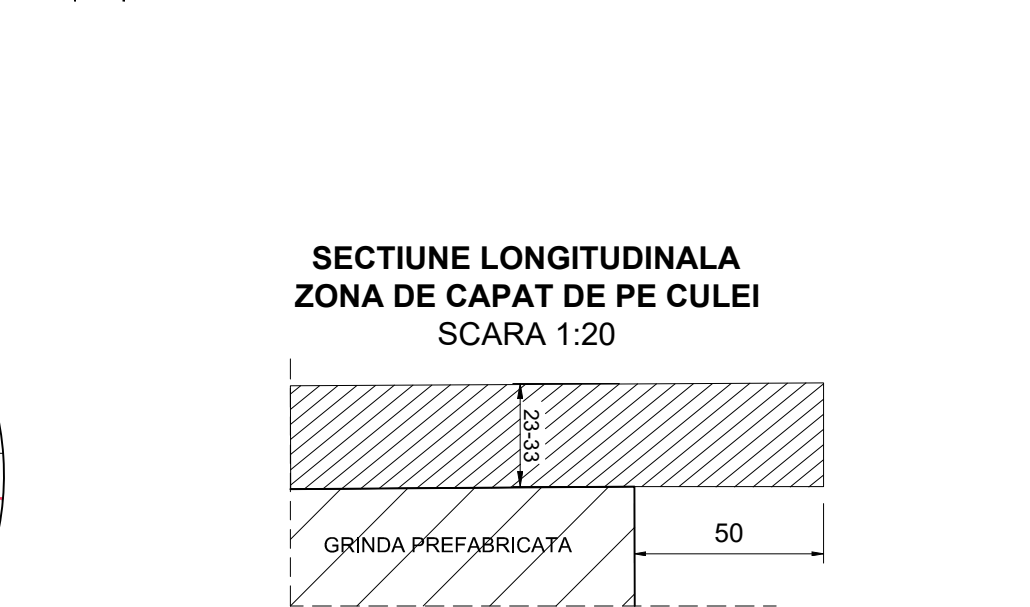
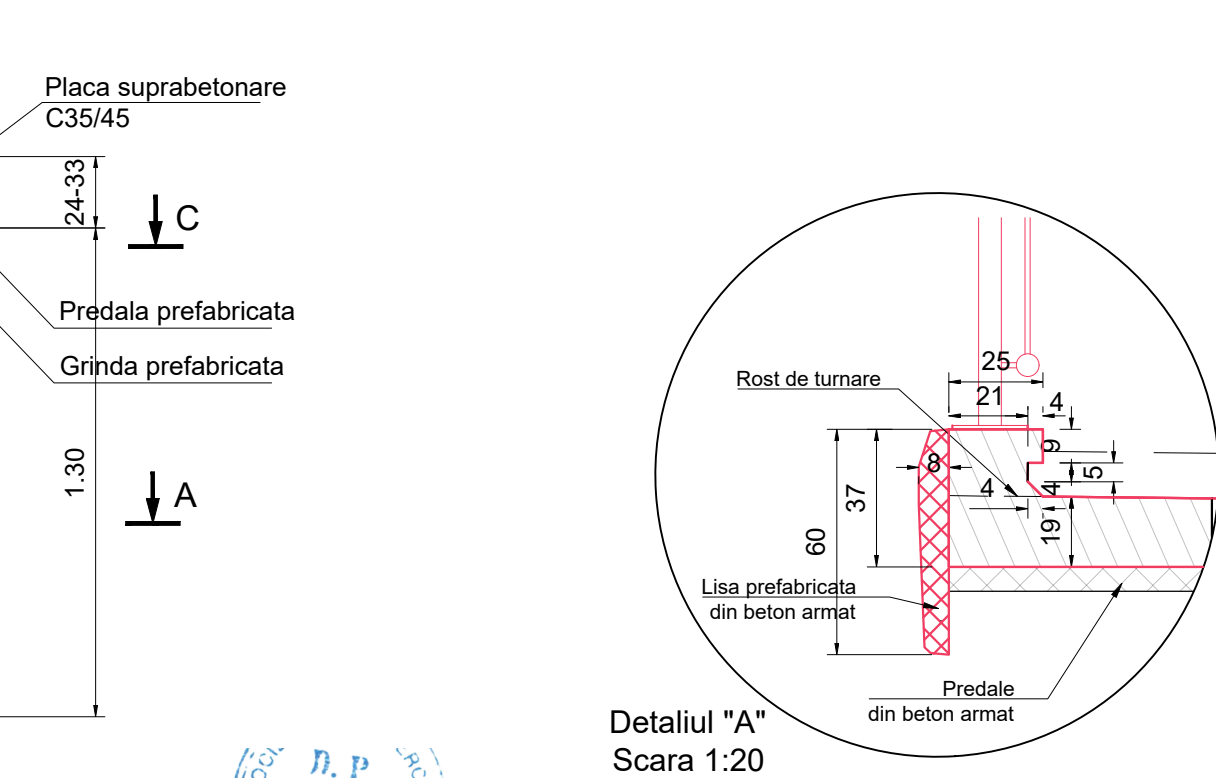
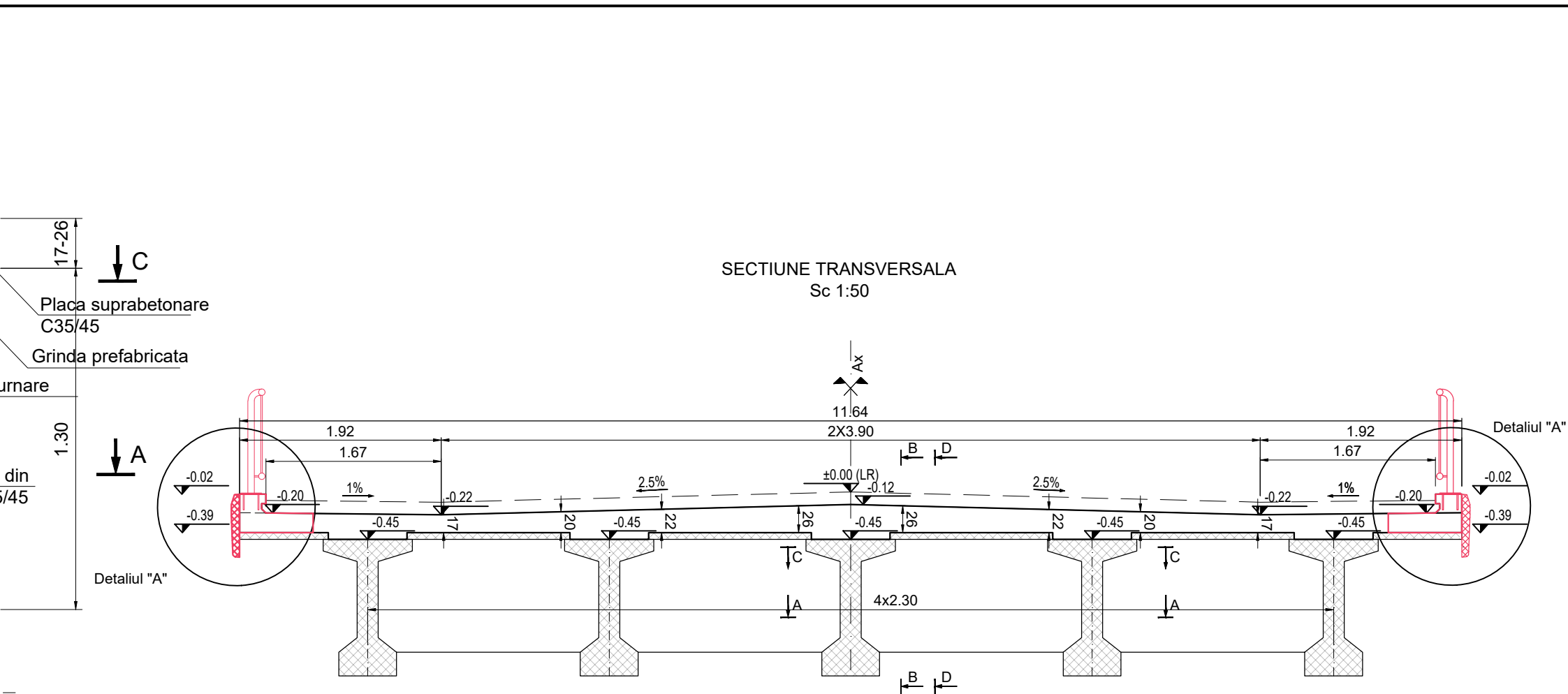
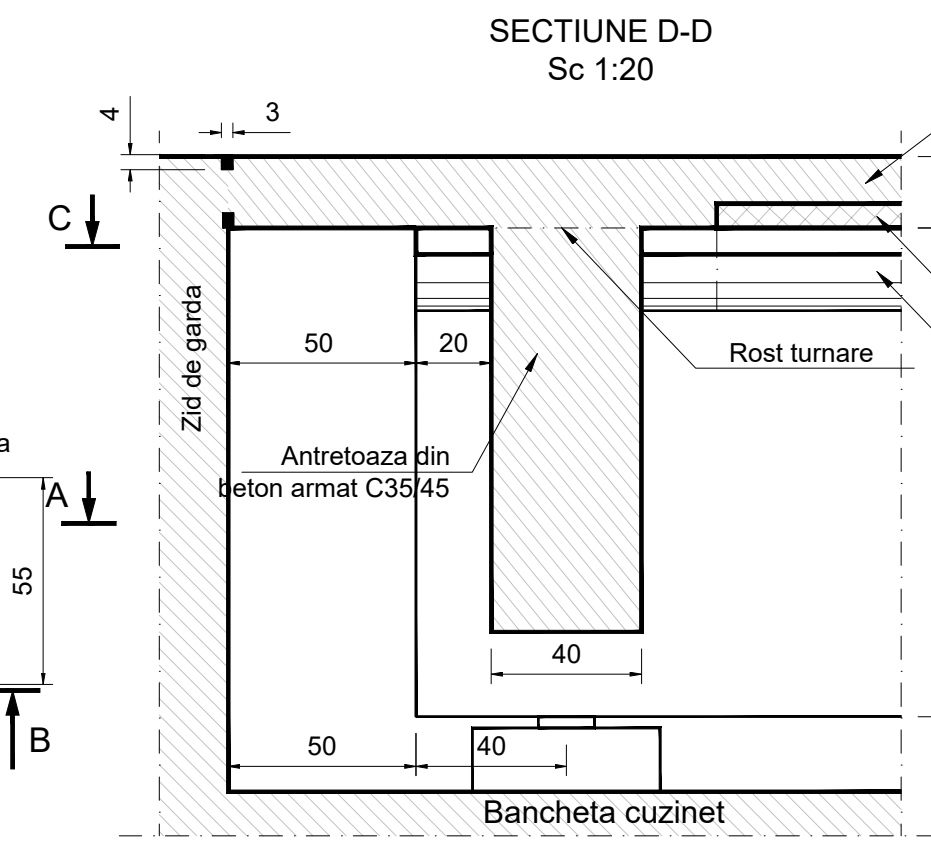
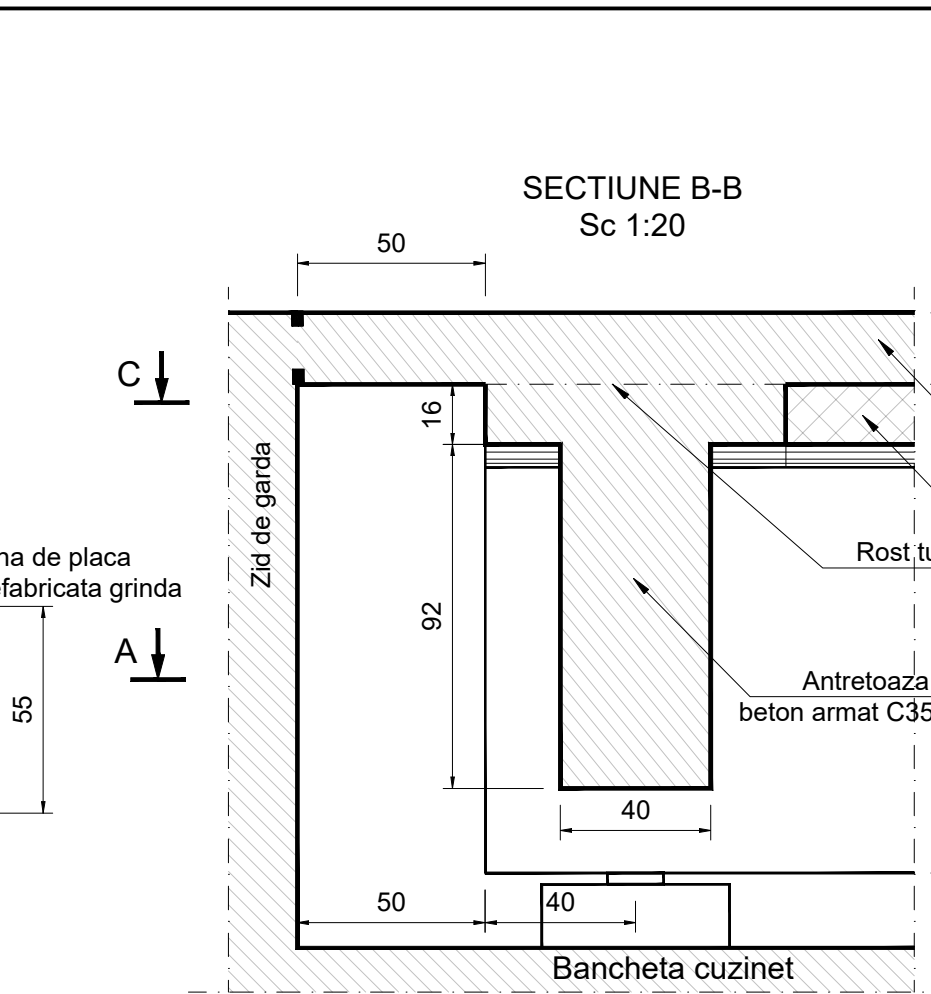
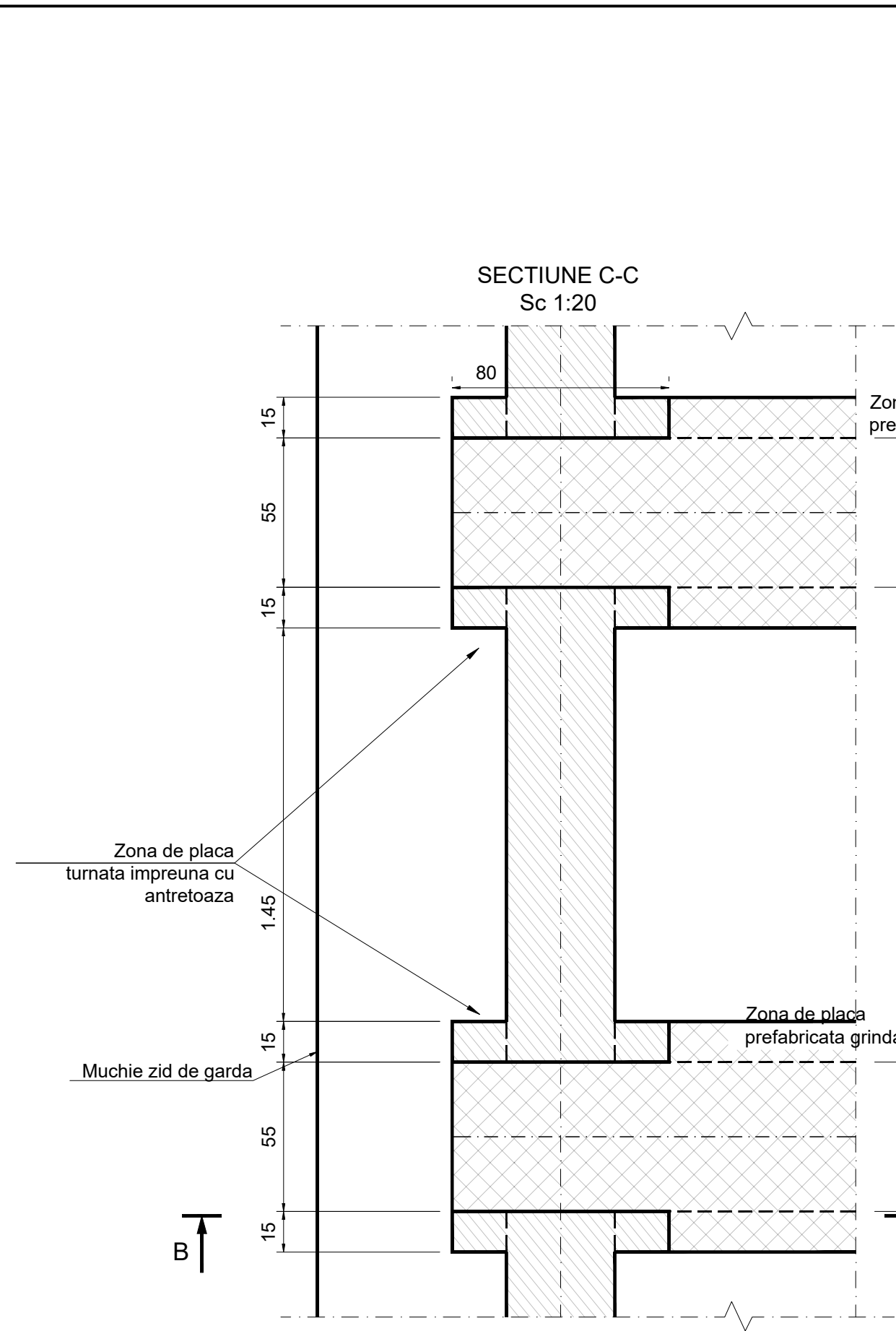
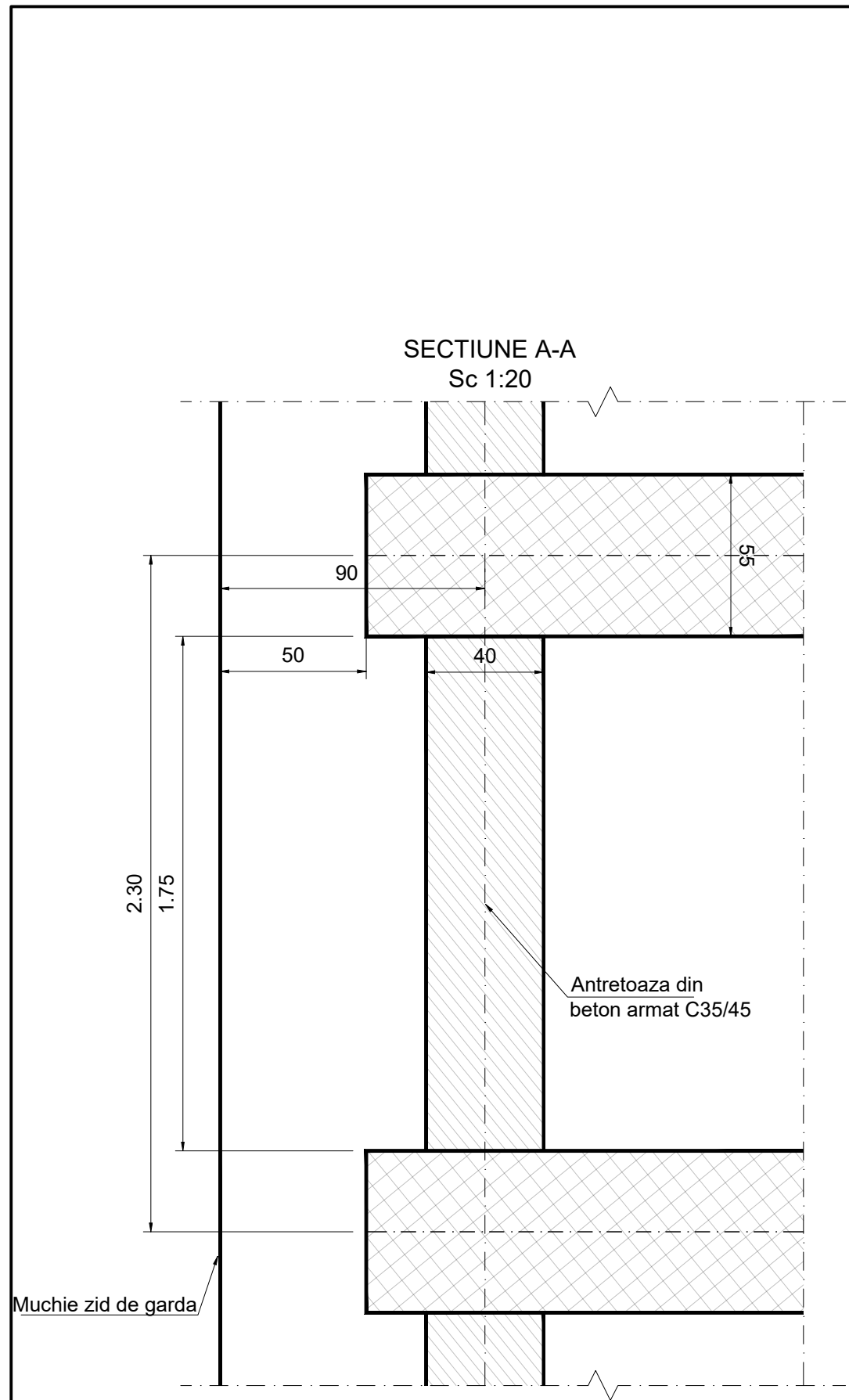
DENUMIRE PLANSA

POD KM 18+926  
PESTE CANAL DE IRIGATII  
PLAN COFRARE CULEI

Scara 1:100

NUMAR PLANSA

10036-VOTM-STR10-Ci-01



CERINTE DE CALITATE  
PREDALE  
Beton: C35/45  
Otel: BST500C  
B450C  
Clasa de expunere: XC4, XD1, XF2.  
Valoare max. A/C: 0.55  
Dozaj min. ciment: 300 Kg/m<sup>3</sup>

CERINTE DE CALITATE  
ANTRETOAZA  
Beton: C35/45  
Otel: BST500C  
Clasa de expunere: XC3, XF2  
Valoare max. A/C: 0.55<sup>a</sup>  
Dozaj min. ciment: 340 Kg/m<sup>3</sup>

CERINTE DE CALITATE  
PLACA DE SUPRABETONARE  
Beton: C35/45  
Otel: BST500C  
Clasa de expunere: XC3, XD1, XF2  
Valoare max. A/C: 0.55<sup>a</sup>  
Dozaj min. ciment: 340 Kg/m<sup>3</sup>

CERINTE DE CALITATE  
LISA DE PARAPET  
Beton: C35/45  
Otel: BST500C  
Clasa de expunere: XC4, XD3, XF4  
Valoare max. A/C: 0.45  
Dozaj min. ciment: 340 Kg/m<sup>3</sup>

LEGENDA:

REALIZAT-

NEREALIZAT-

INVESTITOR

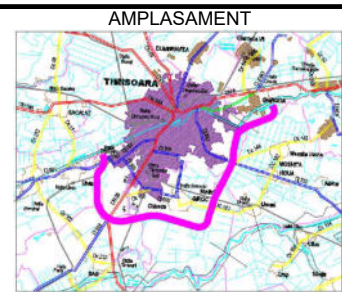


COMPANIA NATIONALA DE ADMINISTRARE  
A INFRASTRUCTURII RUTIERE S.A.

PROIECTANT GENERAL



D.P. CONSULT S.A.



DENUMIRE PROIECT  
PROIECTARE SI EXECUTIE  
"VARIANTA DE OCOLIRE  
TIMISOARA SUD"  
ELABORARE PROIECT TEHNIC  
REST DE EXECUTAT

NUMAR CONTRACT: 550/36/09.02.2023

NUMAR PROIECT : 556

FAZA PROIECT  
PROIECT TEHNIC  
REST DE EXECUTAT

Data : 03.2023

VERIFICATOR TEHNIC

Manager de Proiect

ing. Silvan Moldovan

Sef Echipa Proiectare

ing. Raul Cocis

Inginer Proiectant Poduri

ing. Attila Takacs

Inginer Proiectant

ing. Anamaria Virvaruti

REVIZII

NR. REV.

DATA

SEM.N.

DENUMIRE PLANSA

POD KM 18+926 PESTE

CANAL DE IRIGATII

PLAN COFRAJ

PLACA DE SUPRABETONARE

Scara : 1:50 1:20

NUMAR PLANSA

10036-VOTM-STR10-Cs-01



