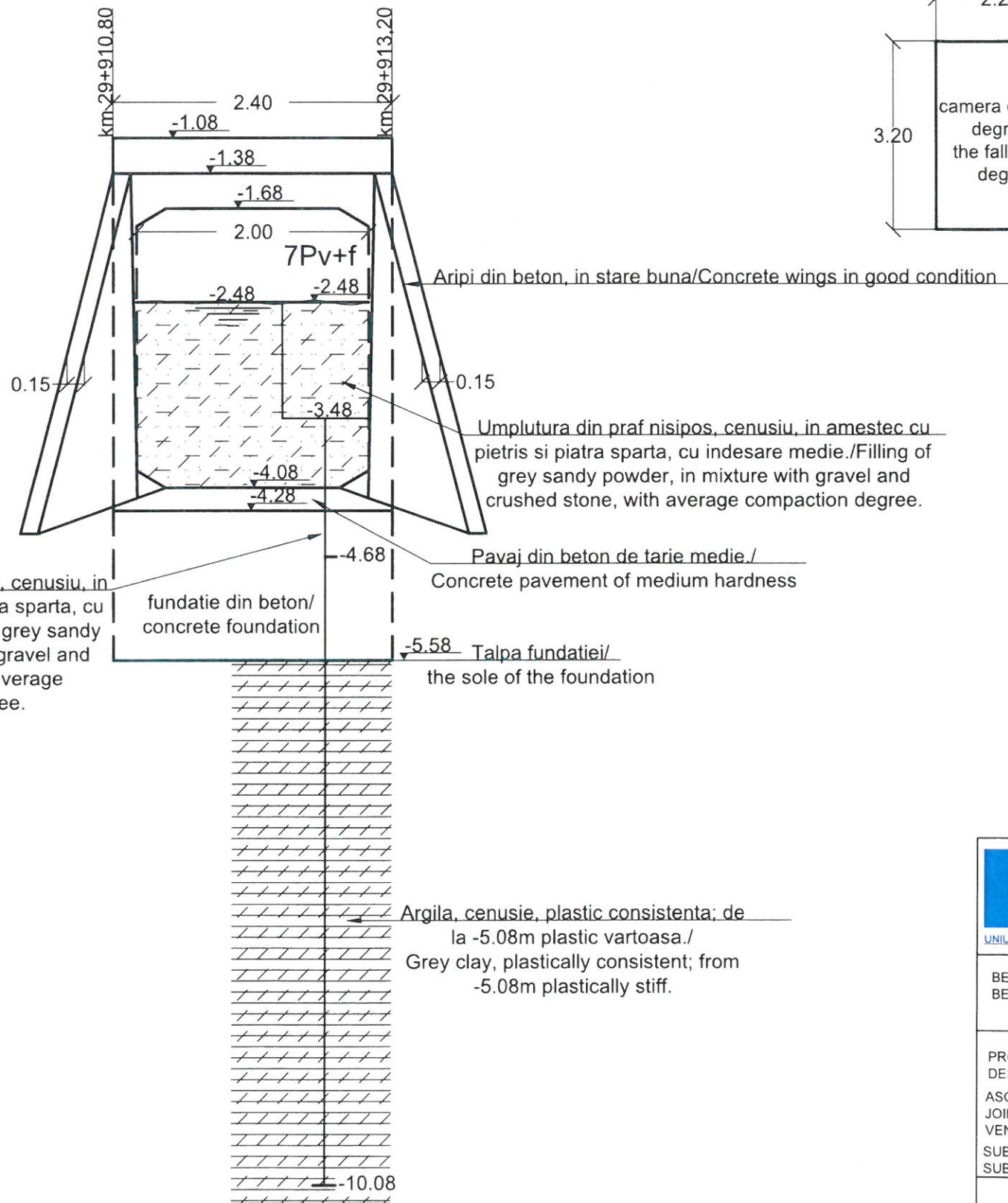


Sc: 1:50

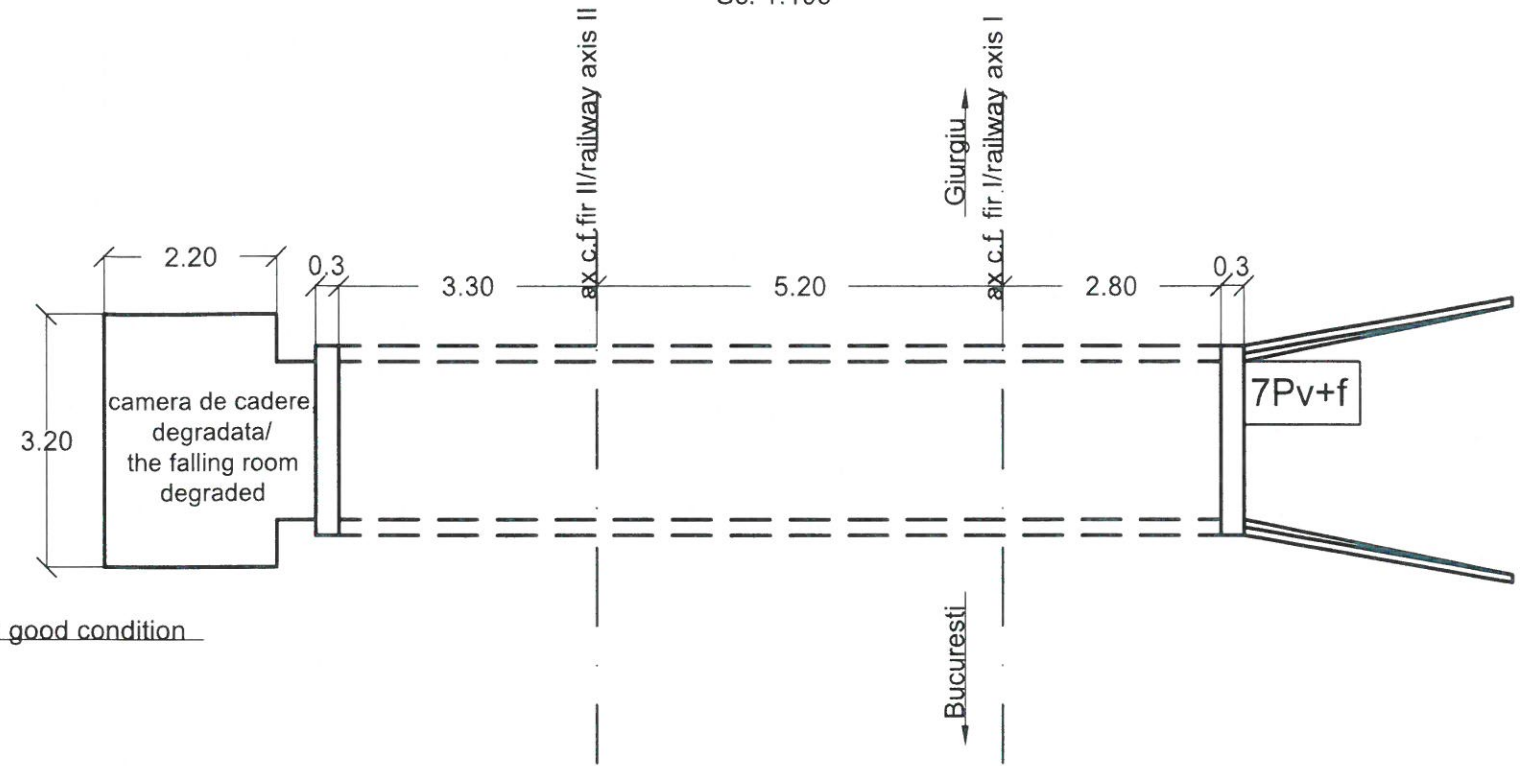
0.00 NSS



Umplutura din praf nisipos, cenusiu, in amestec cu pietris si piatra sparta, cu indesare medie./Filling of grey sandy powder, in mixture with gravel and crushed stone, with average compaction degree.

Argila, cenusie, plastic consistenta: de la -5.08m plastic vartoasa./  
Grey clay, plastically consistent; from -5.08m plastically stiff.

Sc: 1:100

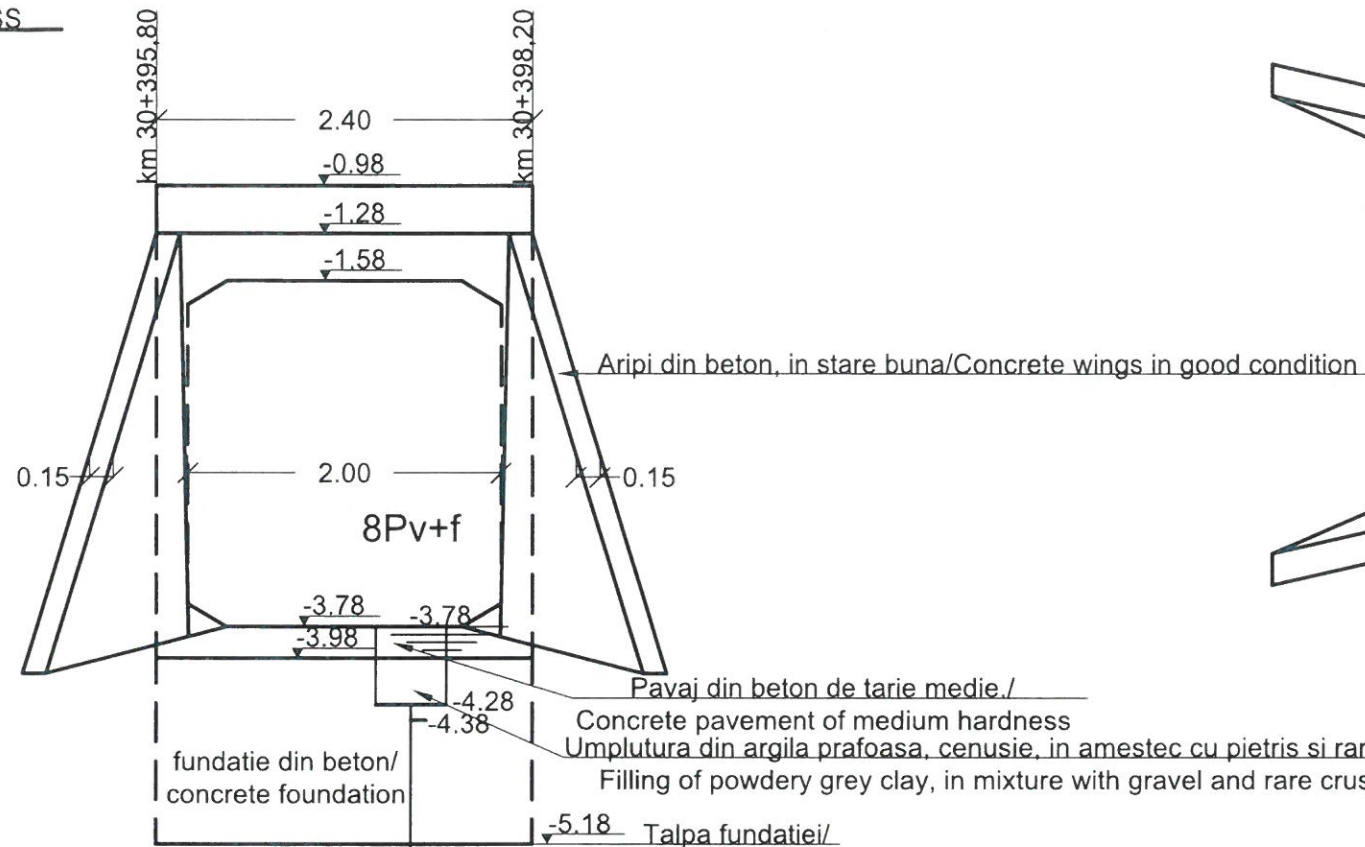


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	 J40/9877/2001 J40/20534/2004	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: EXPERT CHEIE/ KEY EXPERT: MP/PM	NUME/NOME ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE: 	SPECIALITATE/ SPECIALITY: <b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 29+912</b> <b>Vedere in plan si releveu podet sondaj 7Pv+f km 29+912</b>
DATA/DATE: <b>03.2018</b>	SCARA/SCALE: <b>1:50/1:100</b>	EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>	COD PLAN/ CODIFICATION SYSTEM: <b>SG 207 Lot 2 19 Pd03 01 00</b>

Sc: 1:50

Sc: 1:100

0.00 NSS



Aripi din beton, in stare buna/Concrete wings in good condition.

fundatie din beton/  
concrete foundation

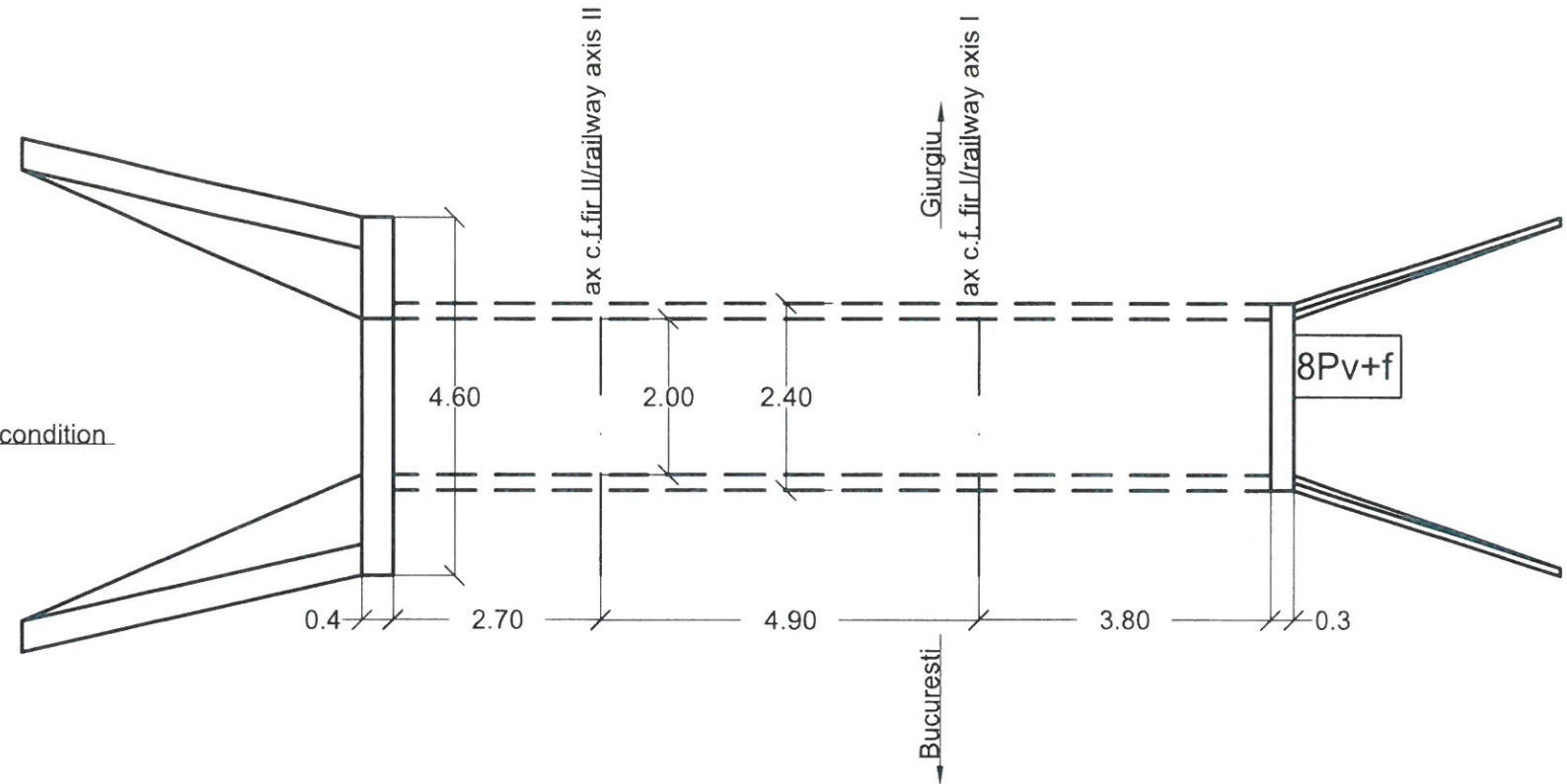
Pavaj din beton de tarie medie./

Concrete pavement of medium hardness

Umplutura din argila prafoasa, cenusie, in amestec cu pietris si rara piatra sparta, plastic consistenta./  
Filling of powdery grey clay, in mixture with gravel and rare crushed stone, plastically consistent.

Talpa fundatiei/  
the sole of the foundation

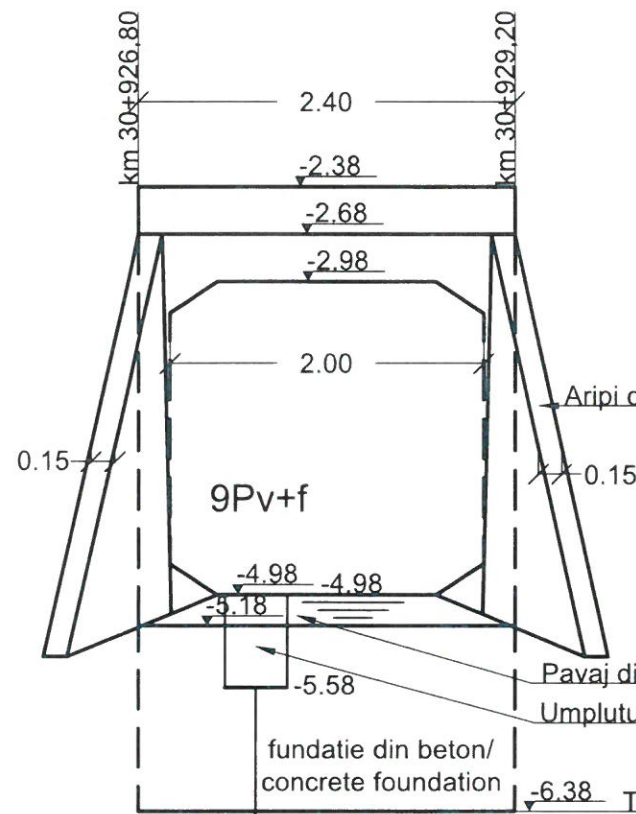
Argila, cenusie, plastic vartoasa./  
Grey clay, plastically stiff.



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER:  &		DENUMIRE PROIECT/DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/Joint Venture: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE/WORKS TITLE:	
PROIECTANT/DESIGNER: ing. Gh. Neata		SPECIALITATE/SPECIALITY:	
EXPERT CHEIE/KEY EXPERT: ing. C. Grosu		DENUMIRE PLAN/DRAWING TITLE:	
MP/PM: ing. M. Baicu		EXEMPLAR NR./EXEMPLARY NO.: 1	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:100	
COD PLAN/CODIFICATION SYSTEM:		STUDIUL GEOTEHNIC Pod, pasaj si podete - Podet km 30+397 Vedere in plan si releveu podet sondaj 8Pv+f km 30+397	
SG 207		Lot 2 19 Pd04 01 00	

0.00 NSS

Sc: 1:50



Aripi din beton, in stare buna/Concrete wings in good condition

Pavaj din beton de tarie medie./Concrete pavement of medium hardness

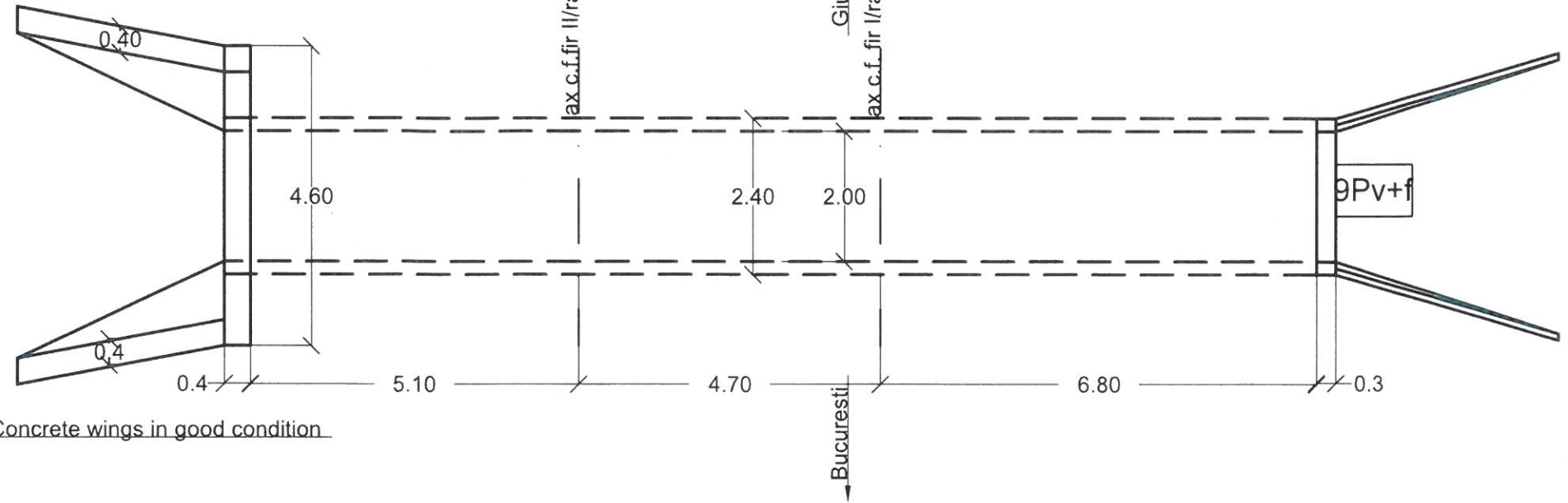
Umplutura din argila prafoasa, cafeniu-cenusie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery grey-brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

fundatie din beton/  
concrete foundation

Talpa fundatiei/  
the sole of the foundation

Argila, cafenie, cu rare concretiuni calcaroase, plastic consistenta-plastic vartoasa; de la -6.18m plastic vartoasa./ Brown clay, with rare calcareous concretions, plastically consistent-plastically stiff; from -6.18m, plastically stiff.

-10.98



Sc: 1:100

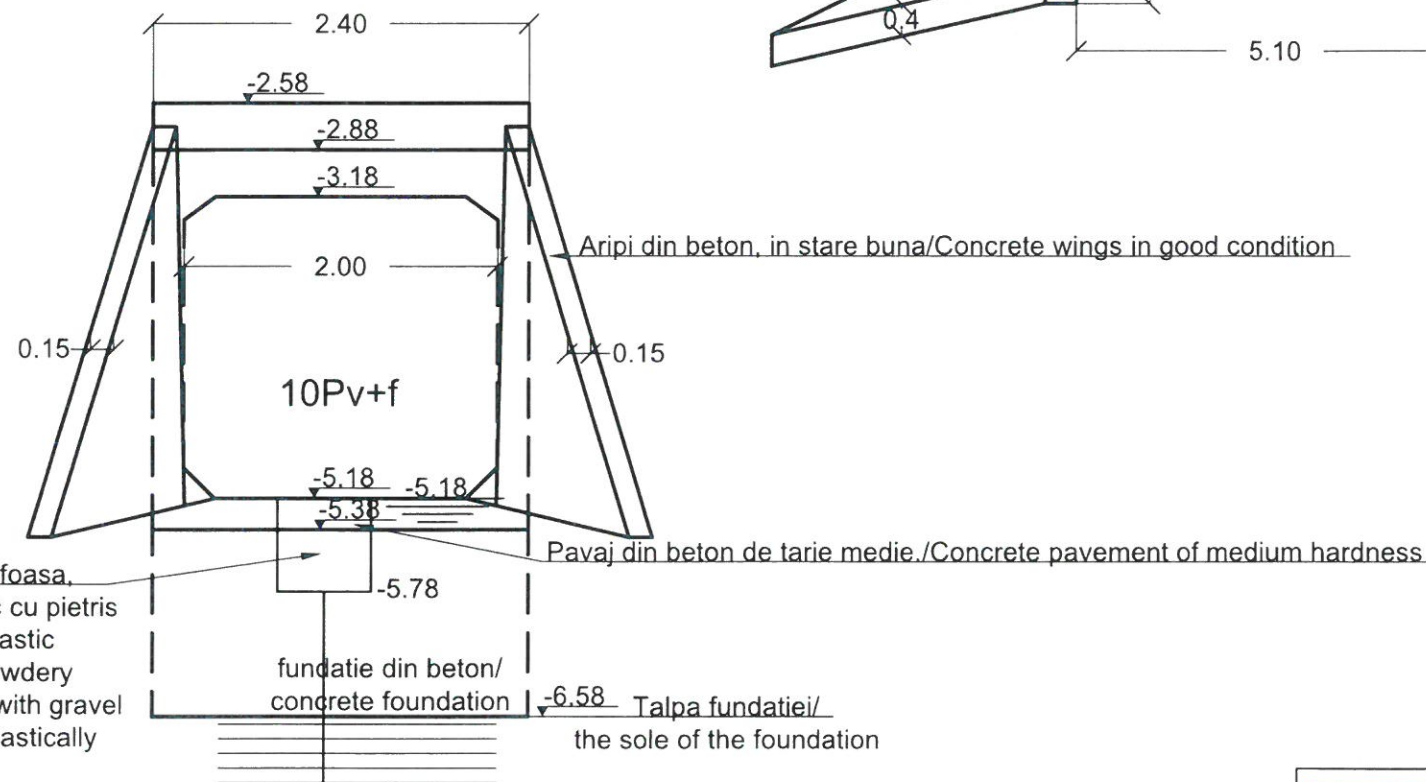
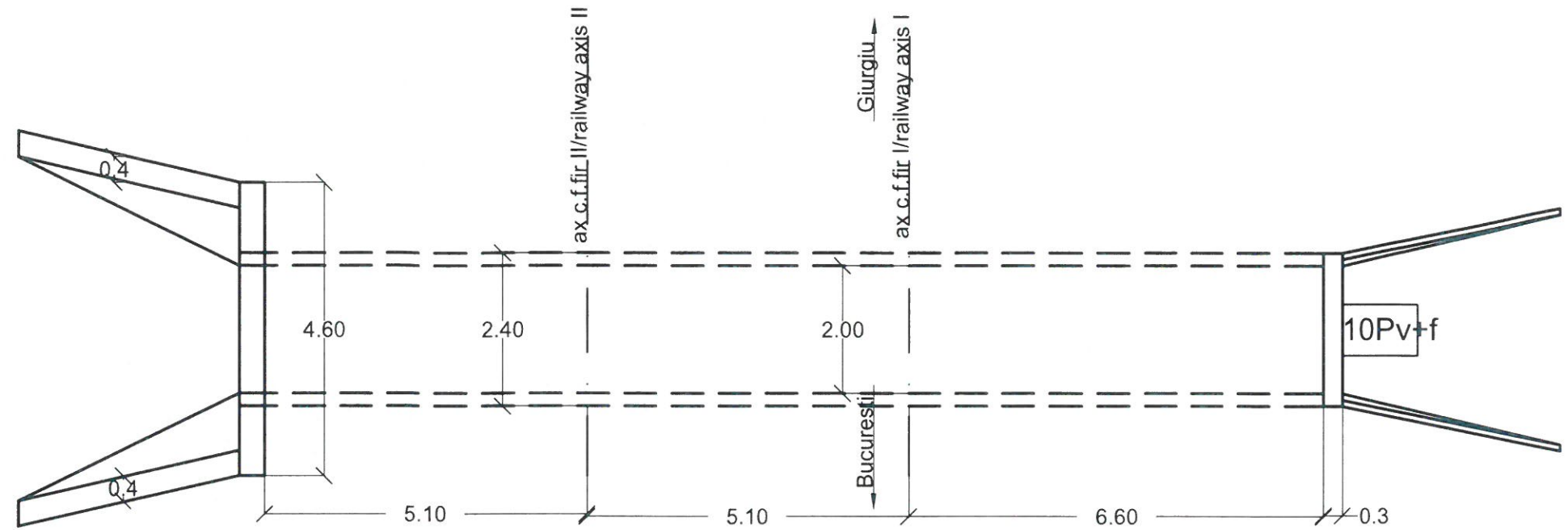


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:  &		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/ JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: JI40/12943/1994		PROJECT TITLE/ WORKS TITLE:	
PROIECTANT/ DESIGNER: ing. Gh. Neata		SEMNATURA/ SIGNATURE:	
EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu		SPECIALITATE/ SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE:	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:100	
EXEMPLAR NR./ EXEMPLARY NO.: 1		COD PLAN/ CODIFICATION SYSTEM:	
		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 30+928</b>	
		<b>Vedere in plan si releveu podet sondaj 9Pv+f km 30+928</b>	
		SG 207 Lot 2 19 Pd05 01 00	

Sc: 1:100

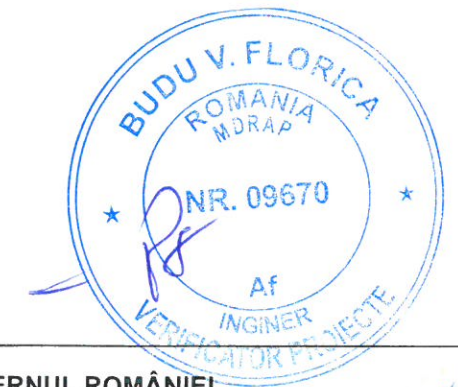
0.00 NSS

Sc: 1:50



Umplutura din argila prafoasa, cafeniu-cenusie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery grey-brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

Argila, cafenie, cu rare concrețiuni calcaroase, plastic vartoasa./Brown clay, with rare calcareous concretions, plastically stiff.

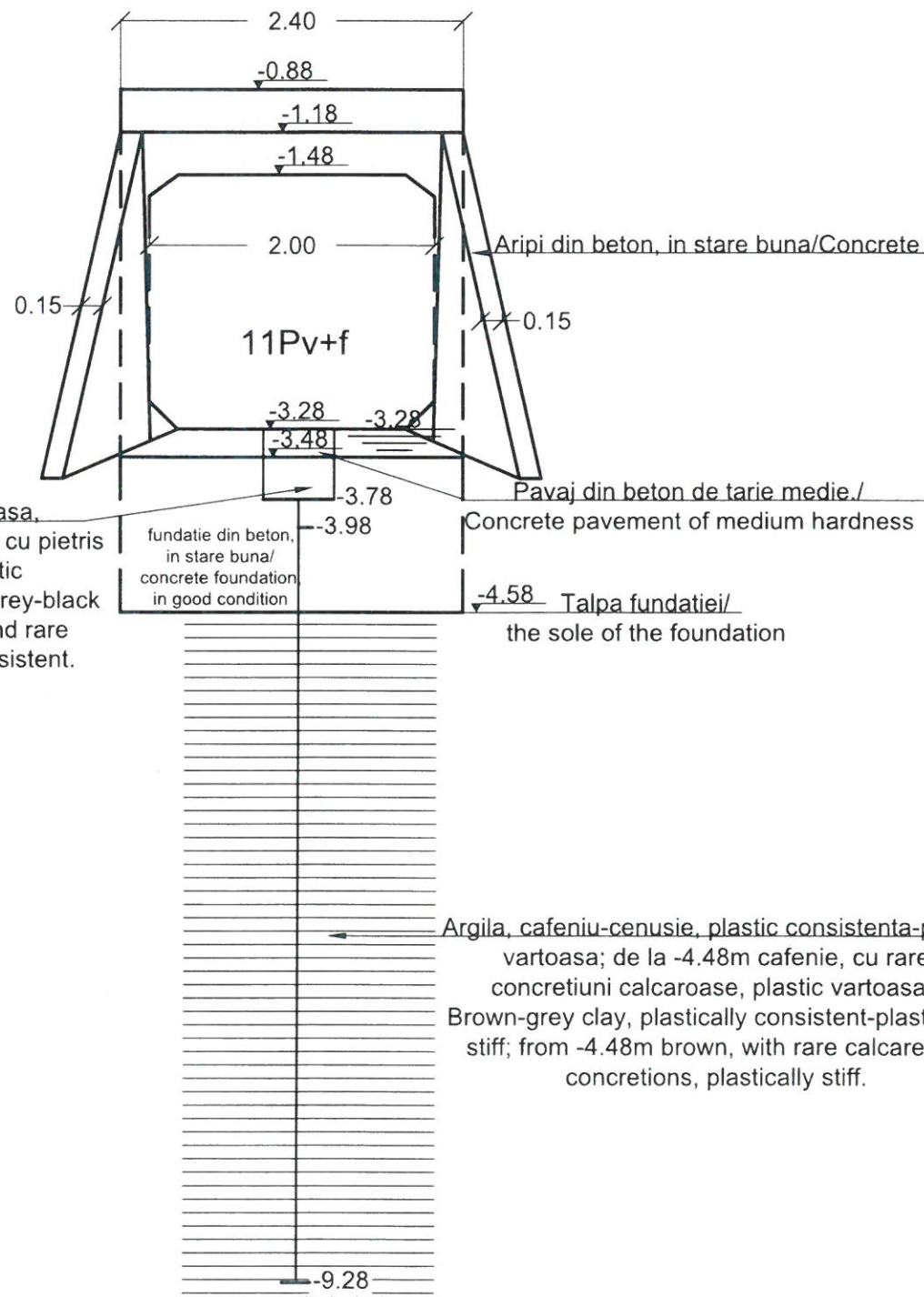


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: JI40/12943/1994	& <b>acciona</b> Ingineria	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: EXPERT CHEIE/ KEY EXPERT MP/PM	NUME/NOME ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE   	SPECIALITATE/ SPECIALITY <b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 31+154 Vedere in plan si releveu podet sondaj 10Pv+f km 31+154 COD PLAN/ CODIFICATION SYSTEM:
DATA/DATE: <b>03.2018</b>	SCARA/SCALE: <b>1:50/1:100</b>	EXEMPLAR NR./ EXEMPLARY NO. <b>1</b>	<b>SG 207 Lot 2 19 Pd06 01 00</b>

Sc: 1:100

Sc: 1:50

0.00 NSS



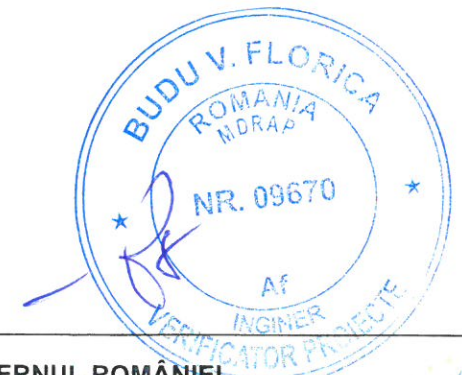
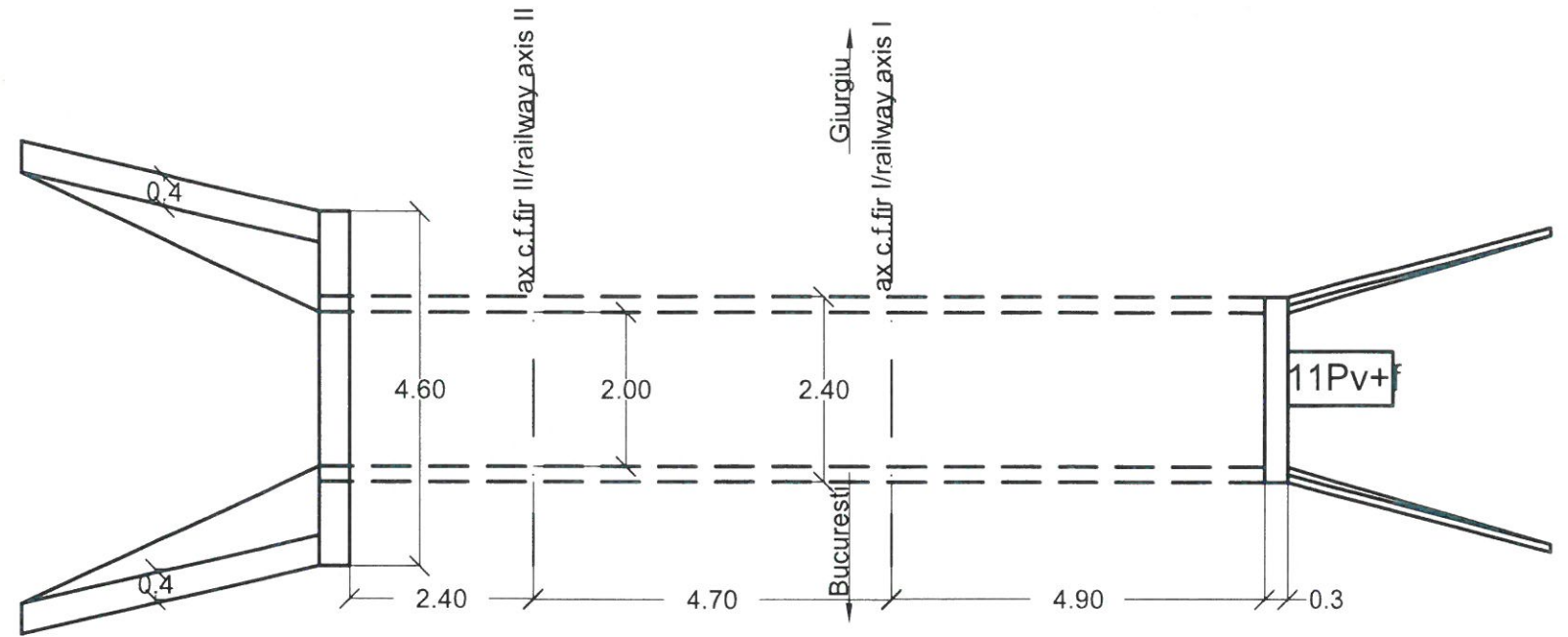
Umplutura din argila prafoasa, cenusiu-negricioasa, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery grey-black clay, in mixture with gravel and rare crushed stone, plastically consistent.

fundatie din beton, in stare buna/  
concrete foundation  
in good condition

Pavaj din beton de tarie medie./  
Concrete pavement of medium hardness

Talpa fundatiei/  
the sole of the foundation

Argila, cafeniu-cenusie, plastic consistenta-plastic vartoasa; de la -4.48m cafenie, cu rare concretiuni calcaroase, plastic vartoasa./ Brown-grey clay, plastically consistent-plastically stiff; from -4.48m brown, with rare calcareous concretions, plastically stiff.

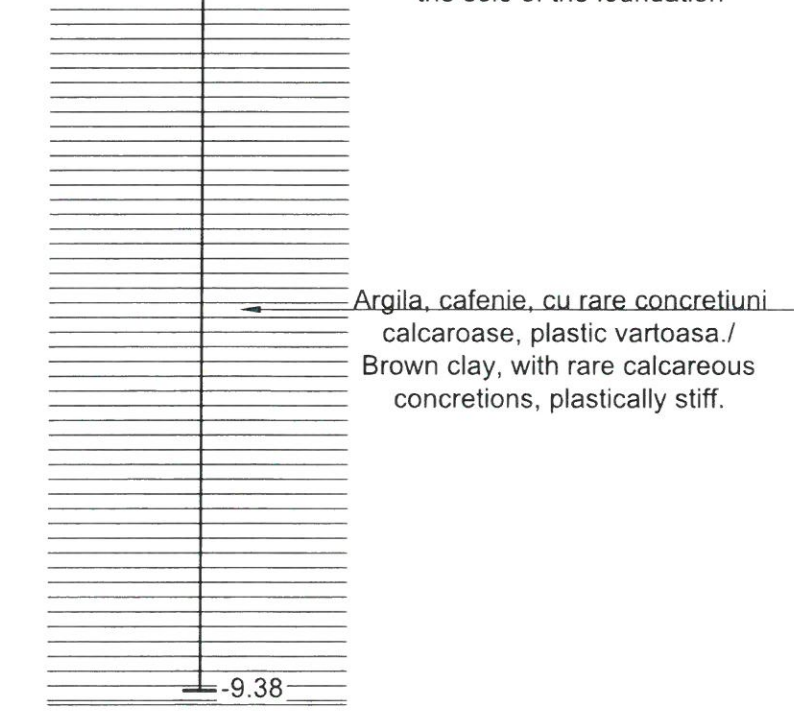
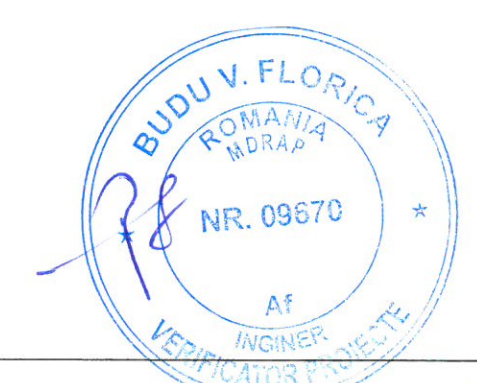
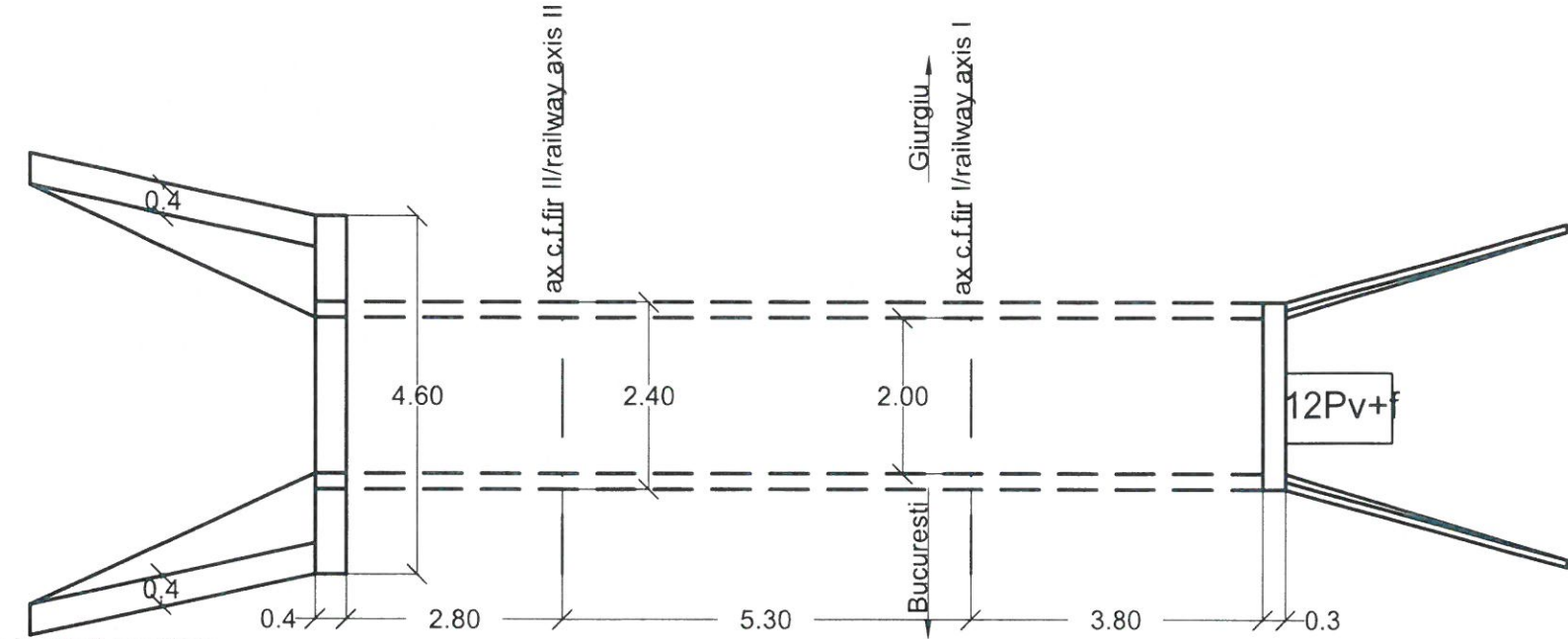
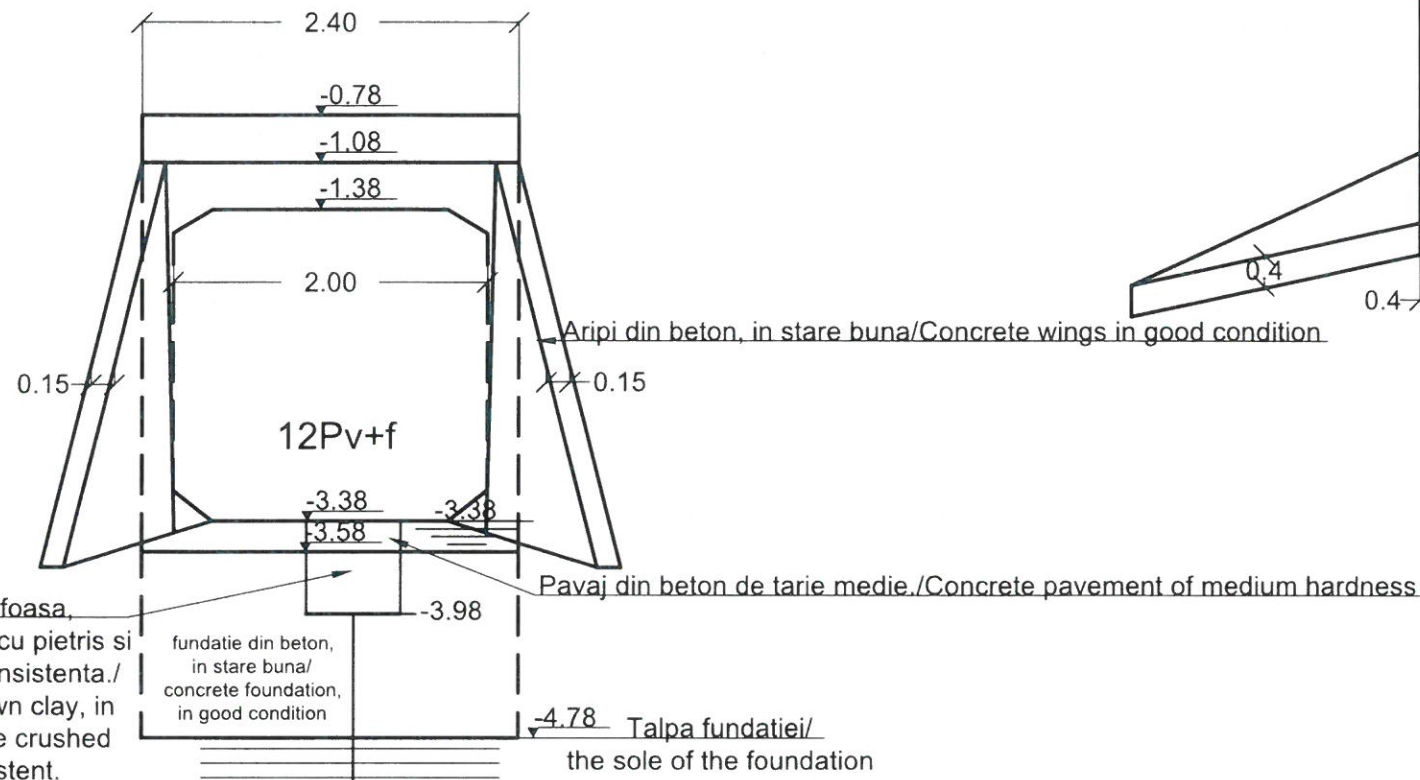


BENEFICIAR BENEFICIARY:		COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/ JOINT VENTURE: J40/9877/2001 & J40/20534/2004		PROJECT TITLE/ WORKS TITLE:	
SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE/ WORKS TITLE:	
PROIECTANT/ DESIGNER: ing. Gh. Neata		SEMNATURA/ SIGNATURE:	
EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu		SPECIALITATE/ SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE:	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:100	
EXEMPLAR NR./ EXEMPLARY NO.: 1		COD PLAN/ CODIFICATION SYSTEM:	
STUDIUL GEOTEHNIC Pod, pasaj si podete - Podet km 31+689		Vedere in plan si releveu podet sondaj 11Pv+f km 31+689	
SG 207 Lot 2 19 Pd07 01 00		SG 207 Lot 2 19 Pd07 01 00	

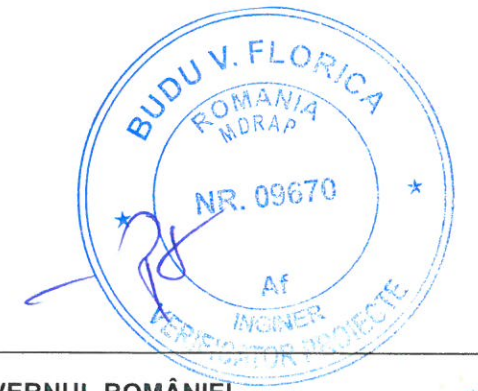
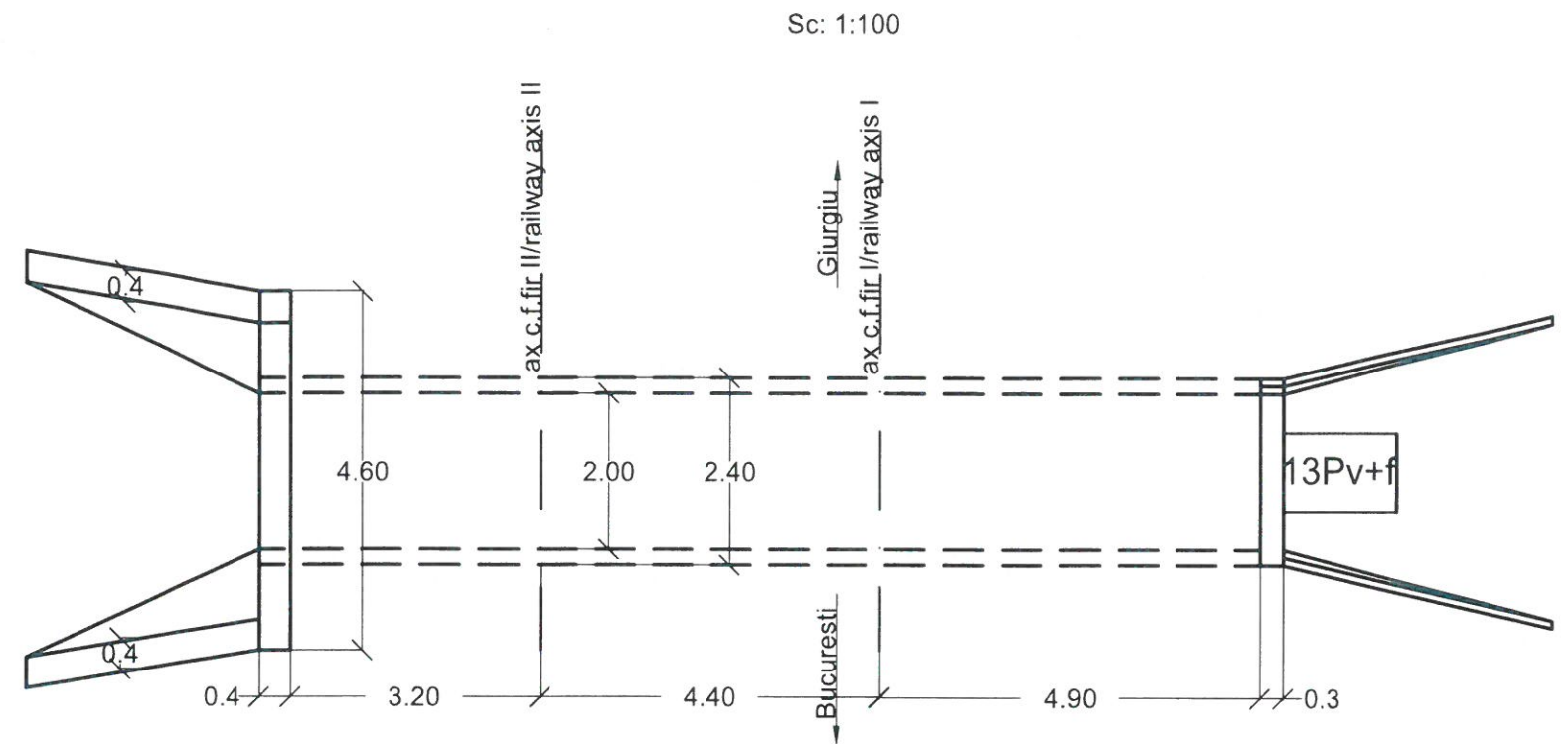
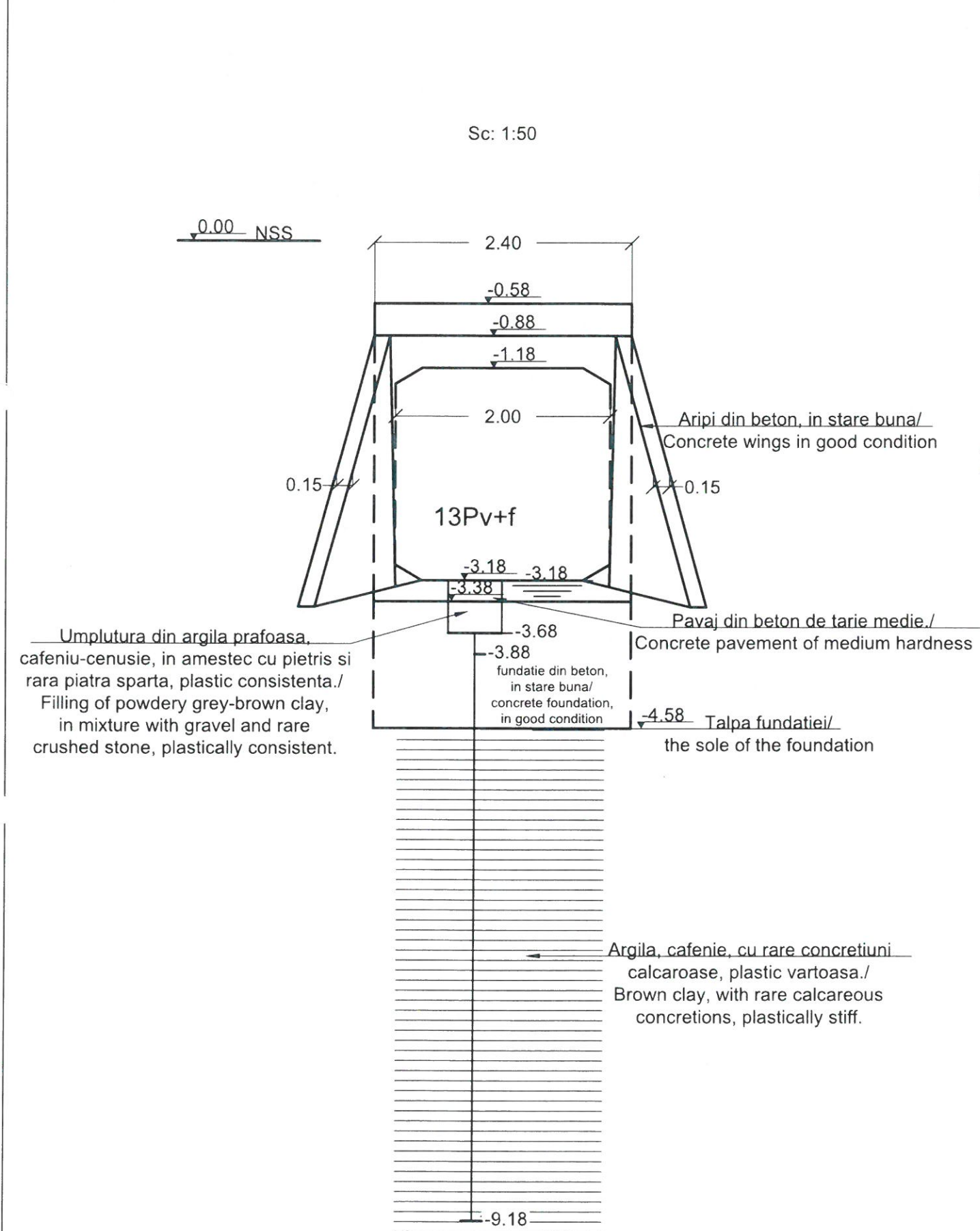
Sc: 1:100

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0.00 NSS



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR BENEFICIARY:</b>		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
<b>PROIECTANT/ DESIGNER:</b>		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
<b>ASOCIEREA/ JOINT VENTURE:</b> J40/9877/2001 & J40/20534/2004 <b>SUBCONTRACTANT/ GEO - SERV SRL</b> <b>SUBCONTRACTOR:</b> J/40/12943/1994		<b>PROJECT TITLE/ WORKS TITLE:</b>	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata		<b>SPECIALITATE/ SPECIALITY:</b>	
<b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu		<b>DENUMIRE PLAN/ DRAWING TITLE:</b>	
<b>MP/PM:</b> ing. M. Baicu		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 32+085</b>	
<b>DATA/DATE:</b> 03.2018		<b>SCARA/SCALE:</b> 1:50/1:100	
<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>COD PLAN/ CODIFICATION SYSTEM:</b>	
		<b>SG 207 Lot 2 19 Pd08 01 00</b>	

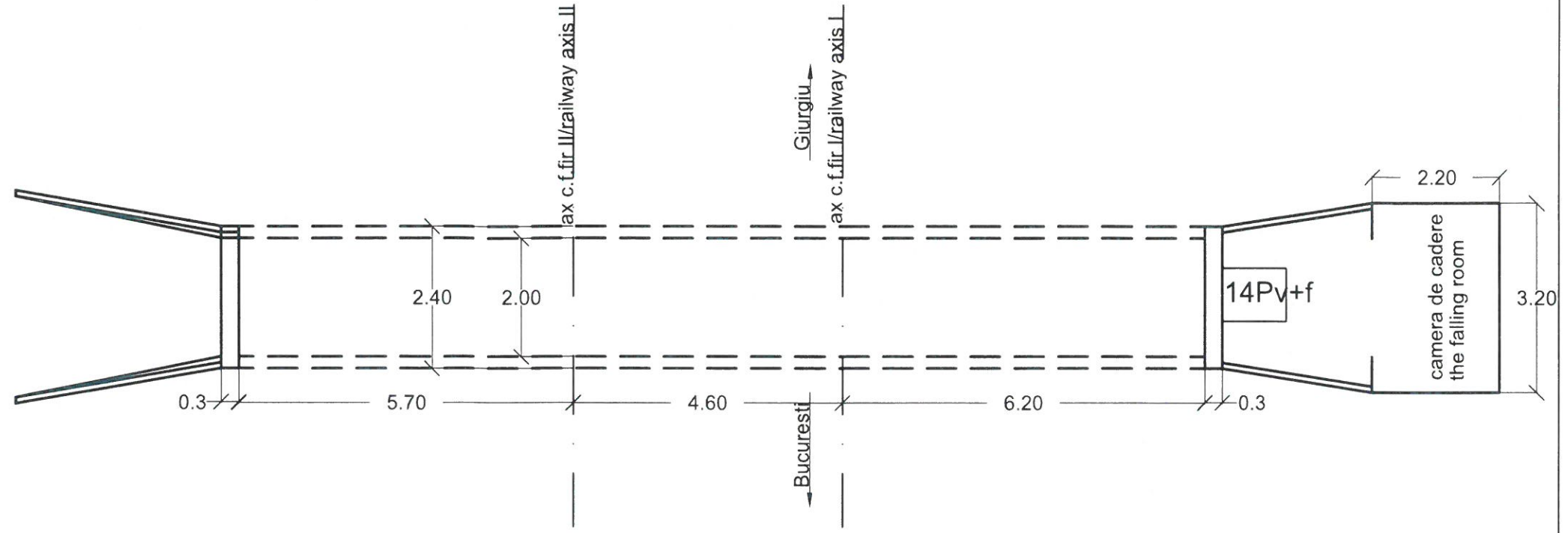
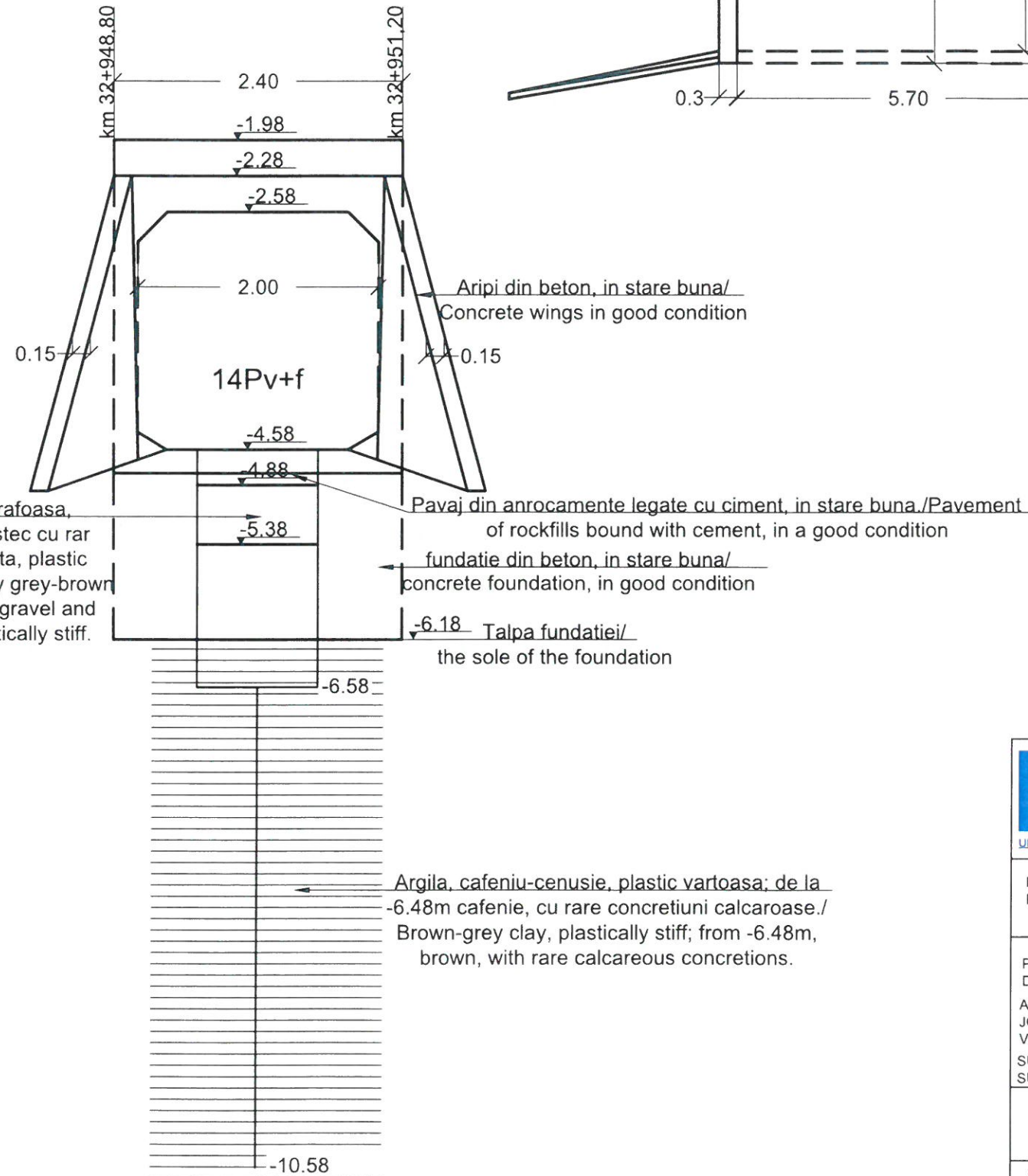


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:  & <b>acciona</b> Ingineria ASOCIEREA/ JOINT VENTURE: J40/9877/2001 J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
PROJECT TITLE/ WORKS TITLE:		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 32+334</b>	
PROIECTANT/ DESIGNER: ing. Gh. Neata EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE: <b>Vedere in plan si releveu podet sondaj 13Pv+f km 32+334</b>	
DATA/DATE: <b>03.2018</b>		SCARA/SCALE: <b>1:50/1:100</b>	
EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>		COD PLAN/ CODIFICATION SYSTEM: <b>SG 207 Lot 2 19 Pd09 01 00</b>	

Sc: 1:100

0.00 NSS

Sc: 1:50



Umplutura din argila prafoasa, cafeniu-cenusie, in amestec cu rar pietris si rara piatra sparta, plastic vartoasa./Filling of powdery grey-brown clay, in mixture with rare gravel and rare crushed stone, plastically stiff.

Aripi din beton, in stare buna/Concrete wings in good condition

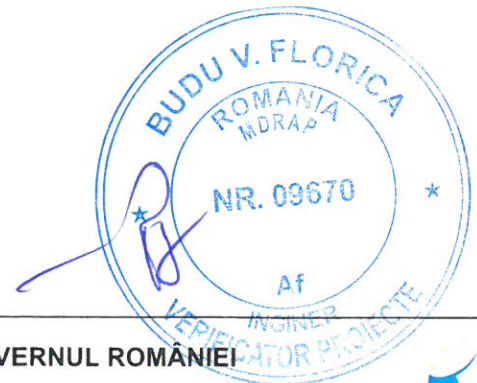
14Pv+f

Pavaj din anrocamente legate cu ciment, in stare buna./Pavement of rockfills bound with cement, in a good condition

fundatie din beton, in stare buna/concrete foundation, in good condition

Talpa fundatiei/the sole of the foundation

Argila, cafeniu-cenusie, plastic vartoasa; de la -6.48m cafenie, cu rare concretuni calcaroase./Brown-grey clay, plastically stiff; from -6.48m, brown, with rare calcareous concretions.

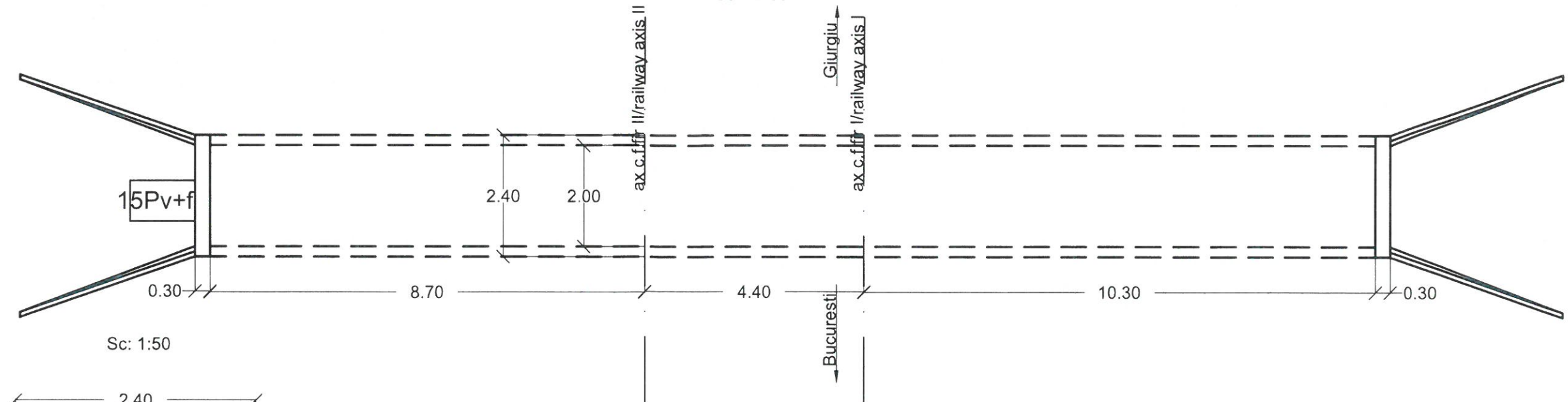


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER:  &		DENUMIRE PROIECT/DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J40/12943/1994		PROJECT TITLE/WORKS TITLE:	
PROIECTANT/DESIGNER: ing. Gh. Neata		SEMNATURA/SIGNATURE:	
EXPERT CHEIE/KEY EXPERT: ing. C. Grosu		SPECIALITATE/SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/DRAWING TITLE:	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:100	
EXEMPLAR NR./EXEMPLARY NO.: 1		COD PLAN/CODIFICATION SYSTEM:	
		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 32+950</b>	
		<b>Vedere in plan si relevu podet sondaj 14Pv+f km 32+950</b>	
		SG 207 Lot 2 19 Pd10 01 00	

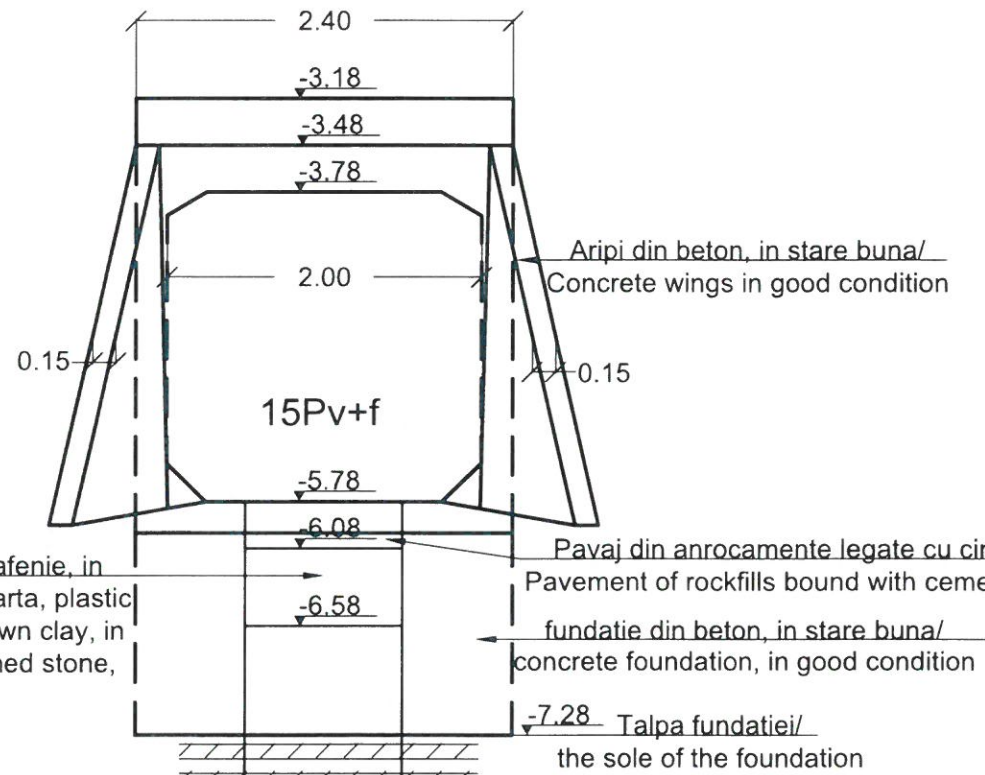


0.00 NSS

Sc: 1:100



Sc: 1:50



Umplutura din argila prafoasa, cafenie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

Aripi din beton, in stare buna/ Concrete wings in good condition

Pavaj din anrocamente legate cu ciment, in stare buna/ Pavement of rockfills bound with cement, in a good condition

fundatie din beton, in stare buna/ concrete foundation, in good condition

Talpa fundatiei/ the sole of the foundation

slaba inf. -9.08

Argila prafoasa, cafeniu-cenusie, plastic vartoasa./ Powdery brown-grey clay, plastically stiff.

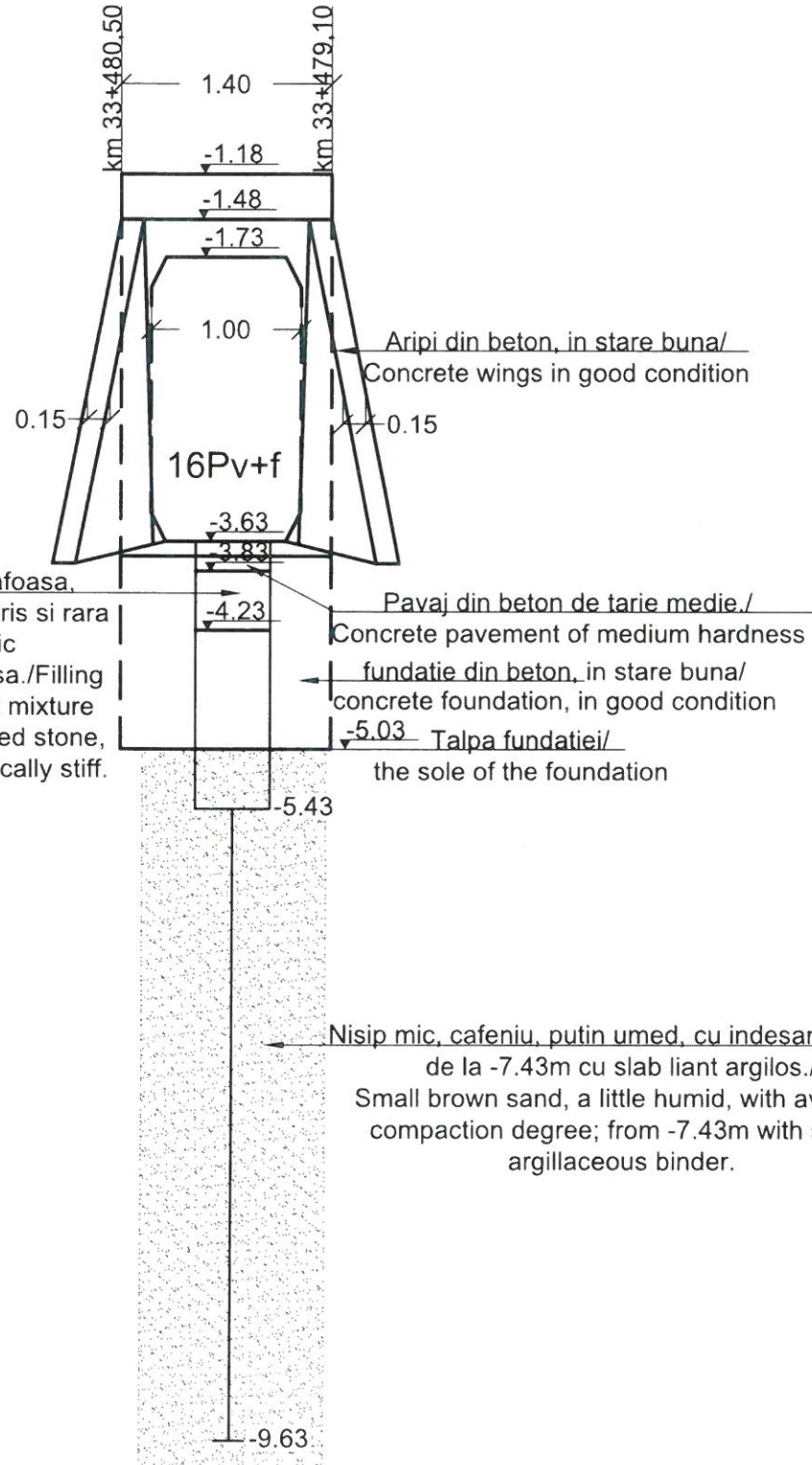
-11.78



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR:	 J40/9877/2001 J40/20534/2004 J/40/12943/1994	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: EXPERT CHEIE/ KEY EXPERT: MP/PM:	NUME/NAME: ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE: SPECIALITATE/ SPECIALITY: DENUMIRE PLAN/ DRAWING TITLE: EXEMPLAR NR./ EXEMPLARY NO.:	<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 33+272</b> <b>Vedere in plan si releveu podet sondaj 15Pv+f km 33+272</b> COD PLAN/ CODIFICATION SYSTEM:
DATA/DATE: <b>03.2018</b>	SCARA/SCALE: <b>1:50/1:100</b>	EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>	<b>SG 207 Lot 2 19 Pd11 01 00</b>

Sc: 1:50

0.00 NSS



Umplutura din argila prafoasa, cafenie, in amestec cu pietris si rara piatra sparta, plastic consistenta-plastic vartoasa./Filling of powdery brown clay, in mixture with gravel and rare crushed stone, plastically consistent-plastically stiff.

Aripi din beton, in stare buna/  
Concrete wings in good condition

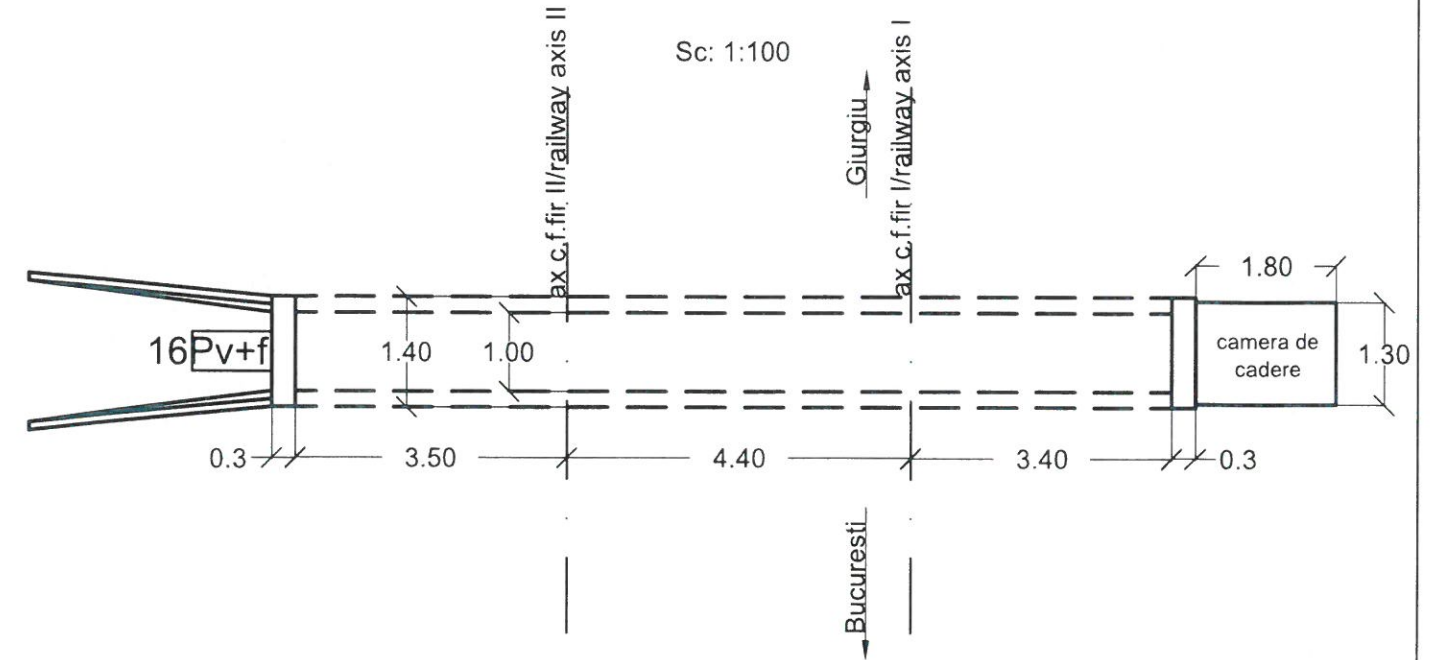
Pavaj din beton de tarie medie./  
Concrete pavement of medium hardness

fundatie din beton, in stare buna/  
concrete foundation, in good condition

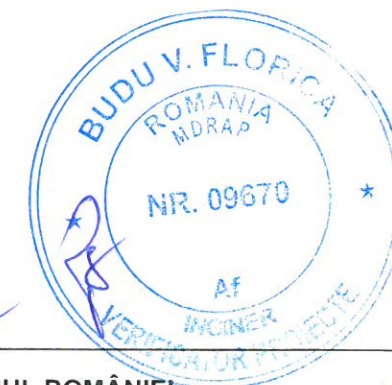
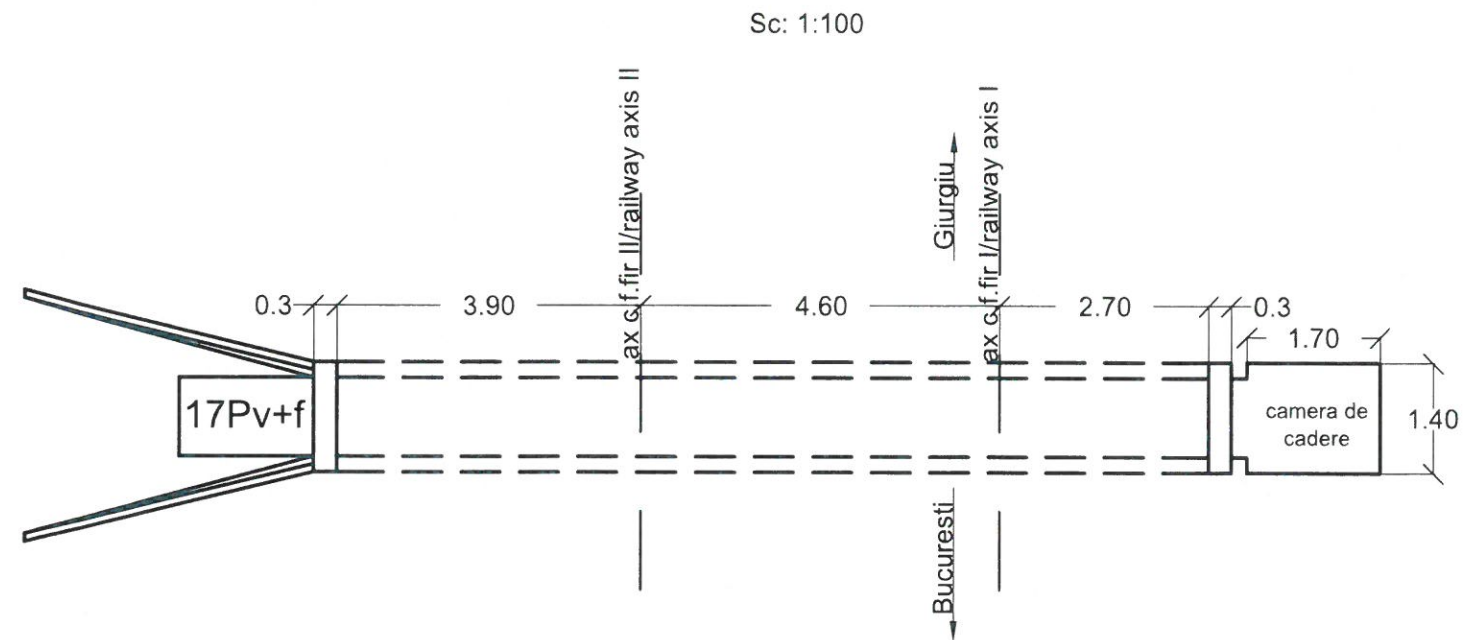
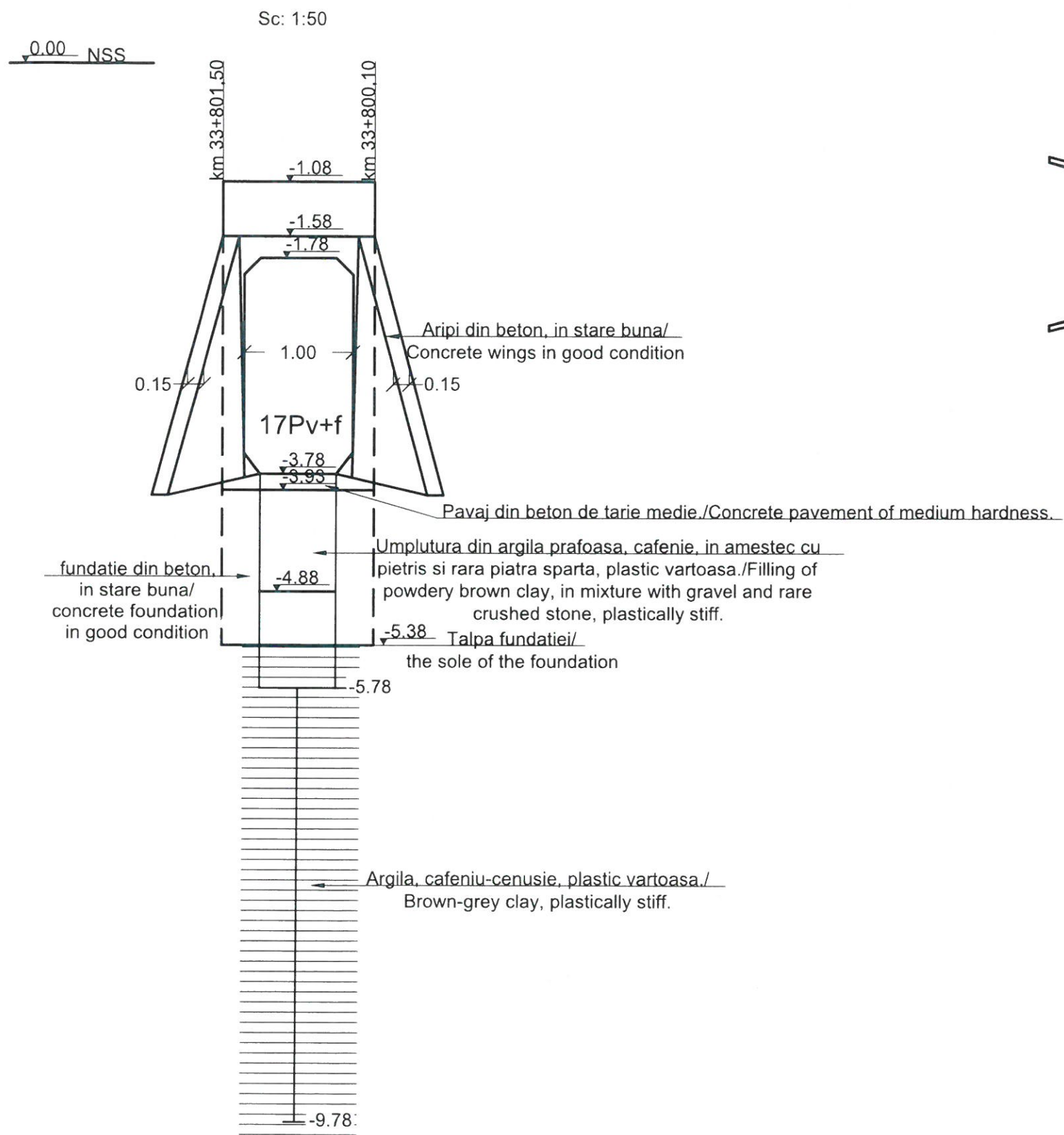
Talpa fundatiei/  
the sole of the foundation

Nisip mic, cafeniu, putin umed, cu indesare medie: de la -7.43m cu slab liant argilos./  
Small brown sand, a little humid, with average compaction degree; from -7.43m with slight argillaceous binder.

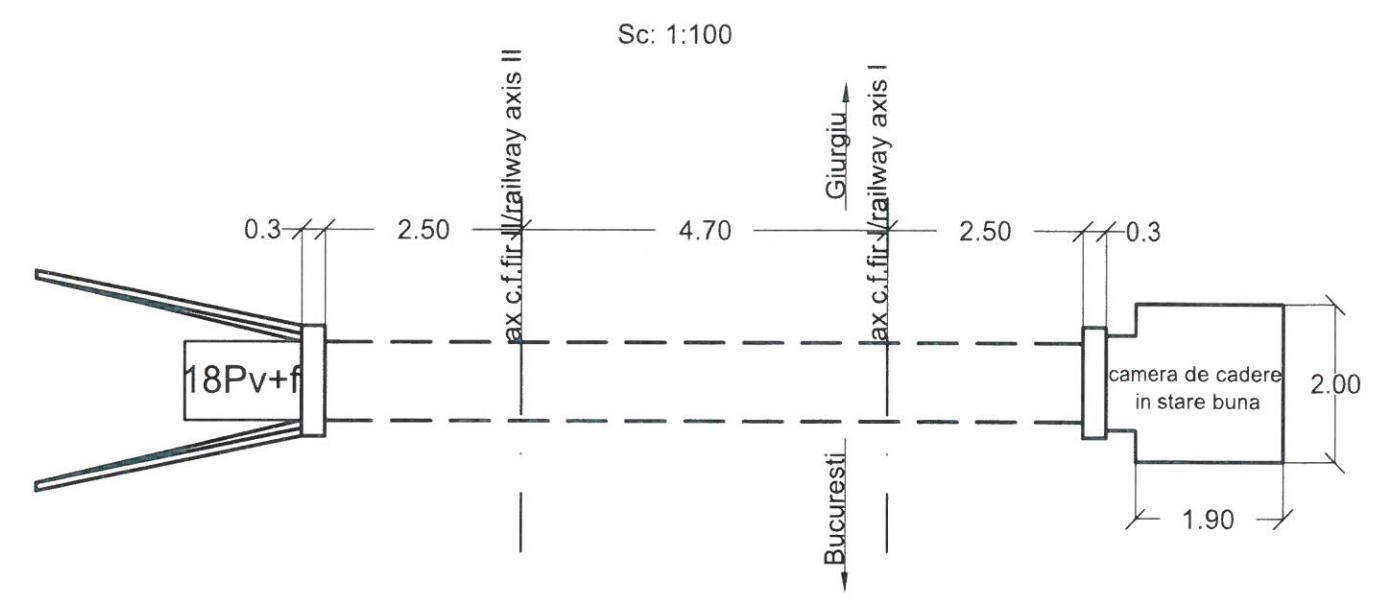
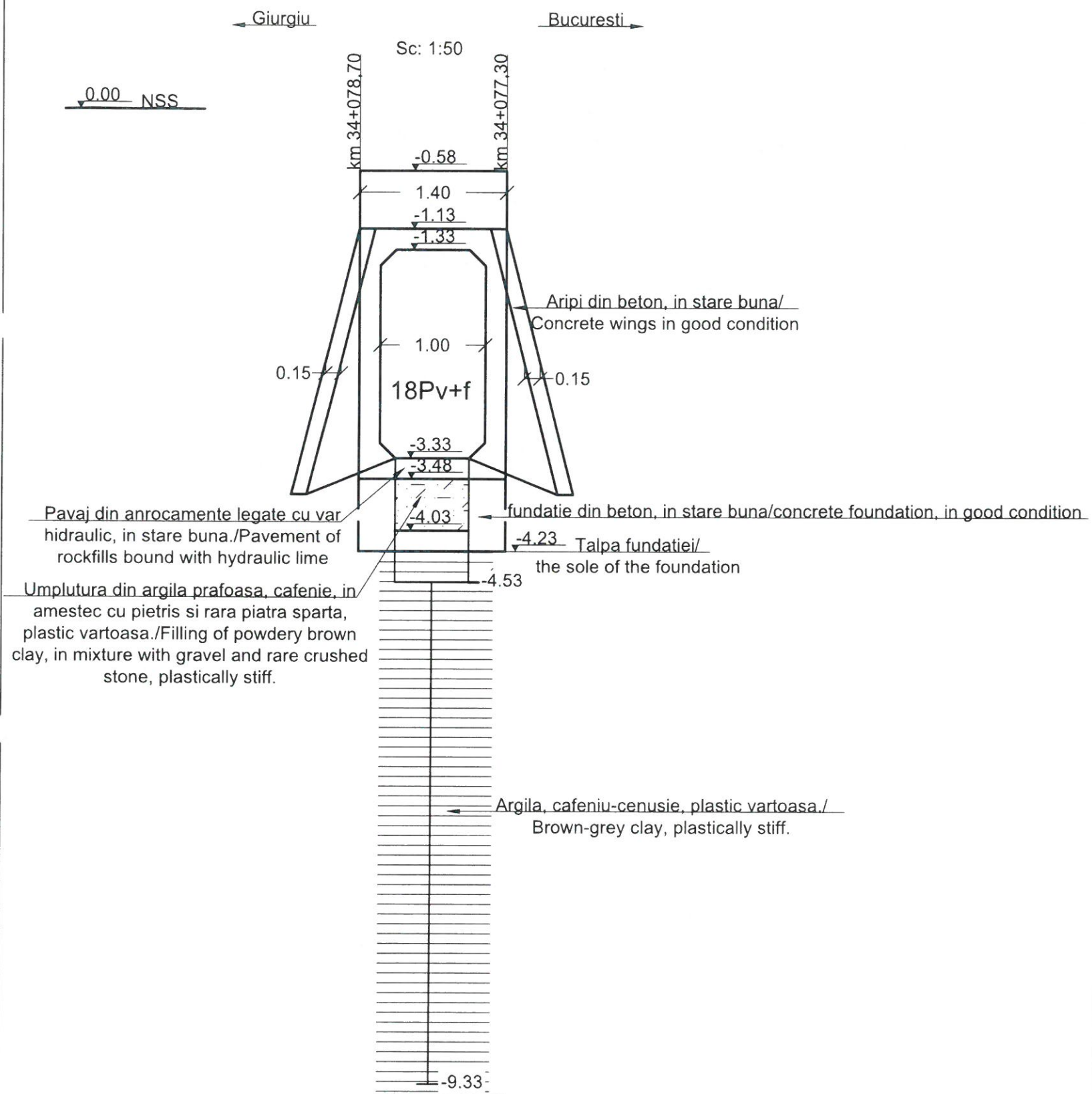
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> <b>EUROPEAN UNION FINANCED PROJECT</b>		<b>GUVERNUL ROMÂNIEI</b> <b>GOVERNMENT OF ROMANIA</b>	
<b>BENEFICIAR</b> BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> <b>ROMANIAN RAILWAY NATIONAL COMPANY</b>	
<b>PROIECTANT/ DESIGNER:</b> ASOCIEREA/ JOINT VENTURE: &		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" <b>Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA</b> "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" <b>Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS</b>	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 33+480</b>	
<b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu		<b>Vedere in plan si releveu podet sondaj 16Pv+f km 33+480</b>	
<b>MP/PM:</b> ing. M. Baicu		<b>COD PLAN/ CODIFICATION SYSTEM:</b> SG 207 Lot 2 19 Pd12 01 00	
<b>DATA/DATE:</b> 03.2018		<b>SCARA/SCALE:</b> 1:50/1:100	
<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1	

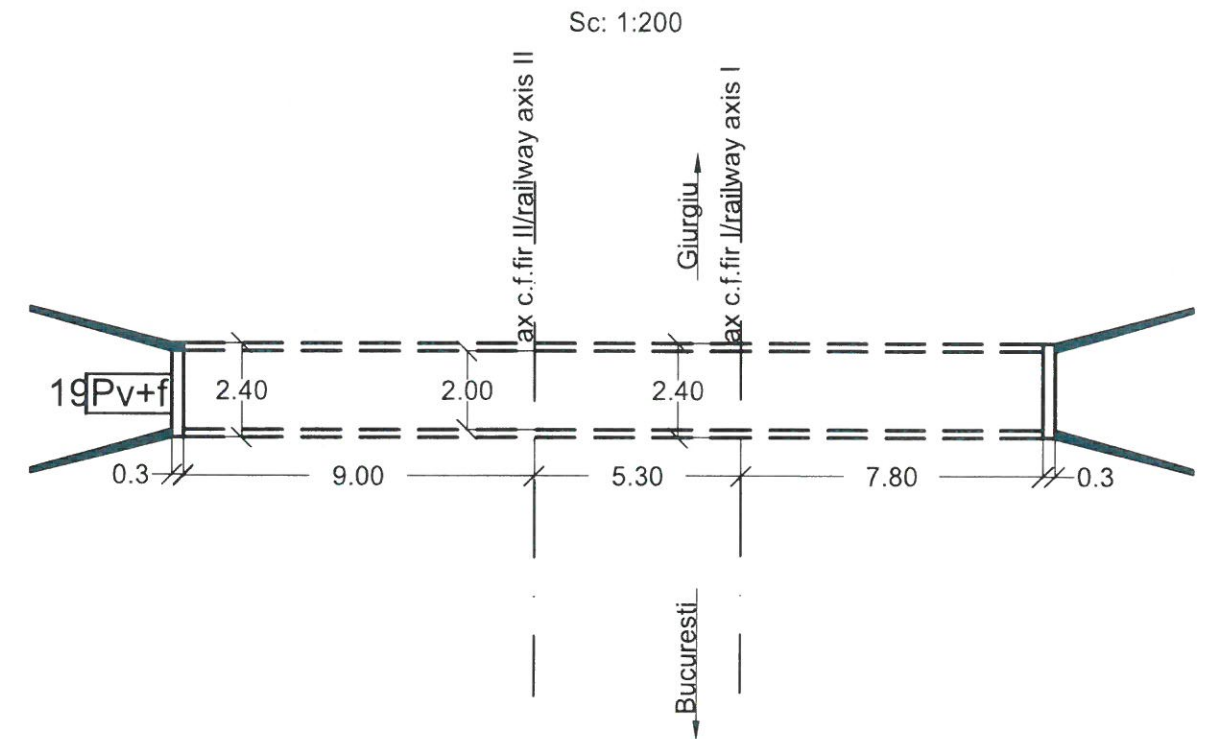
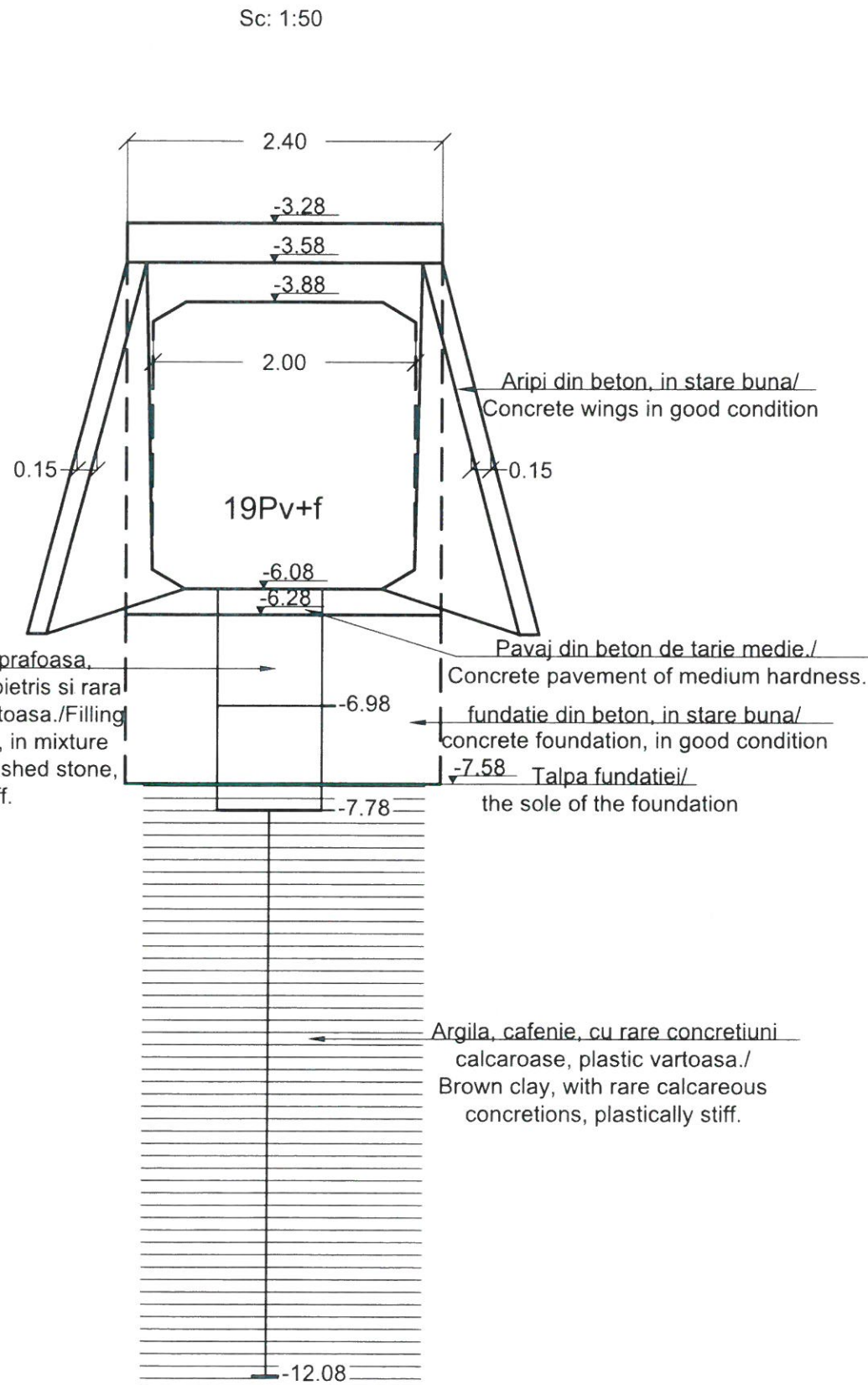


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA		Instrumente Structurale 2014-2020
BENEFICIAR / BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY		
PROIECTANT / DESIGNER:  &		DENUMIRE PROIECT / DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS		
ASOCIEREA / JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT / GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE / WORKS TITLE:		
PROIECTANT / DESIGNER: ing. Gh. Neata		SEMNATURA / SIGNATURE:		SPECIALITATE / SPECIALITY:
EXPERT CHEIE / KEY EXPERT: ing. C. Grosu		SEMNATURA / SIGNATURE:		SPECIALITATE / SPECIALITY:
MP/PM: ing. M. Baicu		SEMNATURA / SIGNATURE:		SPECIALITATE / SPECIALITY:
DATA / DATE: 03.2018		SCARA / SCALE: 1:50/1:100		COD PLAN / CODIFICATION SYSTEM:
EXEMPLAR NR. / EXEMPLARY NO.: 1		STUDIU GEOTEHNIC Pod, pasaj si podete - Podet km 33+801 Vedere in plan si releveu podet sondaj 17Pv+f km 33+801		
03.2018		1:50/1:100		SG 207 Lot 2 19 Pd13 01 00



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR / BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT / DESIGNER:		DENUMIRE PROIECT / DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA / JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT / GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE / WORKS TITLE:	
PROIECTANT / DESIGNER: ing. Gh. Neata		SEMNATURA / SIGNATURE:	
EXPERT CHEIE / KEY EXPERT: ing. C. Grosu		SPECIALITATE / SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN / DRAWING TITLE:	
DATA / DATE: 03.2018		SCARA / SCALE: 1:50/1:100	
EXEMPLAR NR. / EXEMPLARY NO.: 1		COD PLAN / CODIFICATION SYSTEM:	
STUDIUL GEOTEHNIC Pod, pasaj si podete - Podet km 34+078		Vedere in plan si releveu podet sondaj 18Pv+f km 34+078	
SG 207 Lot 2 19 Pd14 01 00			

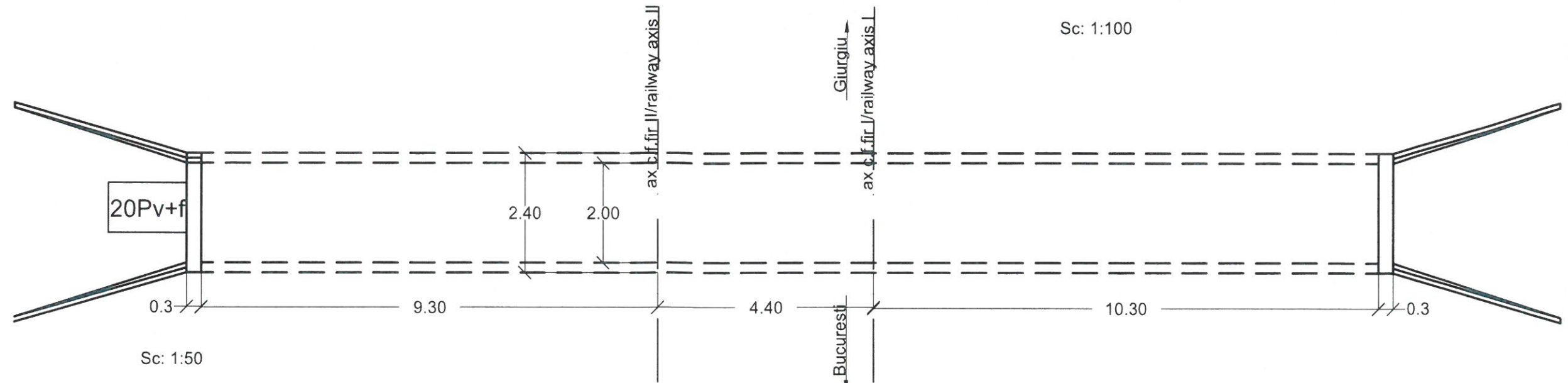
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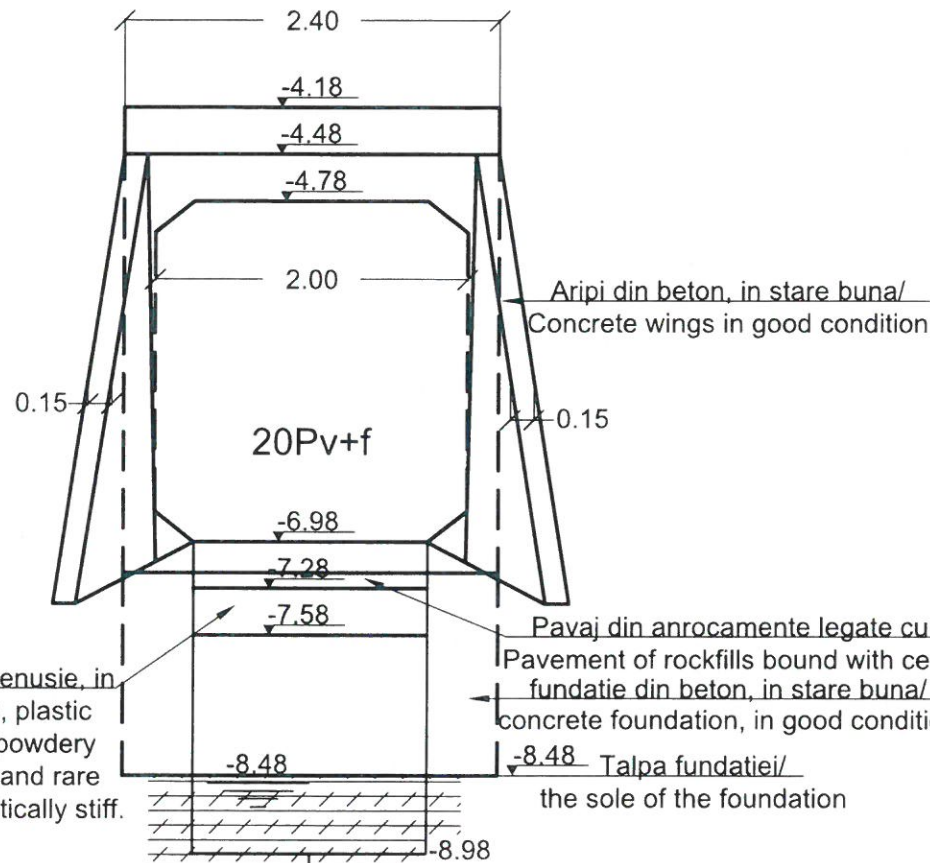
<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/ JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: JI40/12943/1994		PROJECT TITLE/ WORKS TITLE:	
PROIECTANT/ DESIGNER: ing. Gh. Neata		SEMNATURA/ SIGNATURE:	
EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu		SPECIALITATE/ SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE: <b>STUDIU GEOTEHNIC Pod, pasaj si podete - Podet km 35+129</b>	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:200	
EXEMPLAR NR./ EXEMPLARY NO.: 1		COD PLAN/ CODIFICATION SYSTEM: SG 207 Lot 2 21 Pd01 01 00	

0.00 NSS

Sc: 1:100



Sc: 1:50



Aripi din beton, in stare buna/  
Concrete wings in good condition

Pavaj din anrocamente legate cu ciment, in stare buna/  
Pavement of rockfills bound with cement, in a good condition

fundatie din beton, in stare buna/  
concrete foundation, in good condition

Talpa fundatiei/  
the sole of the foundation

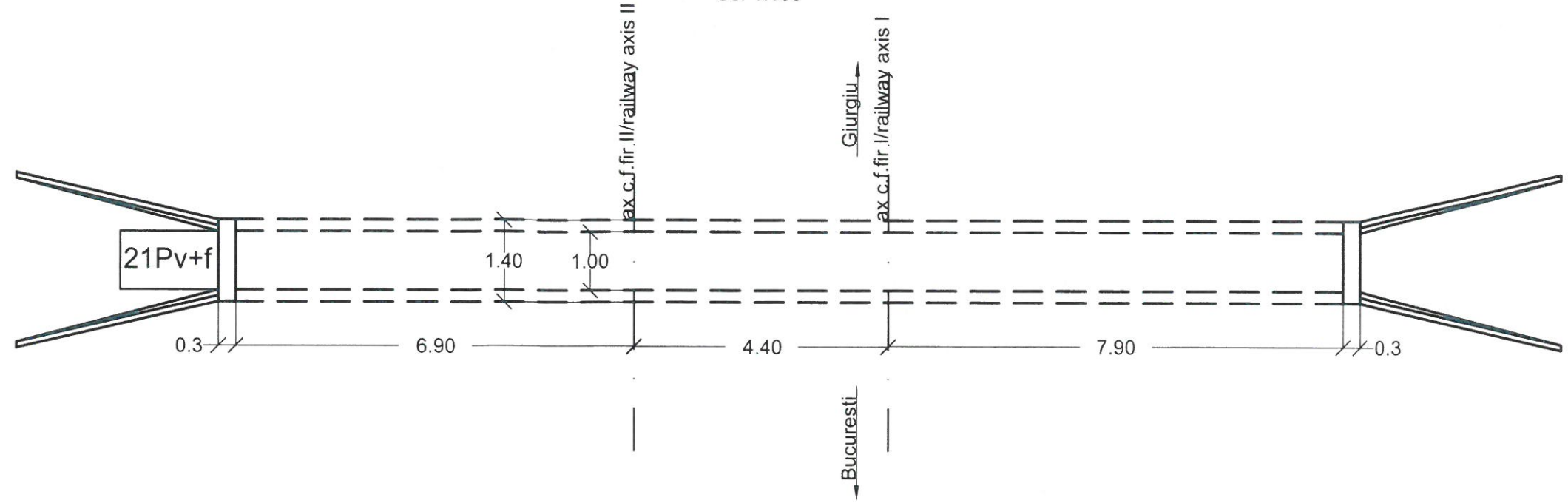
Umplutura din argila prafoasa, cafeniu-cenusie, in amestec cu pietris si rara piatra sparta, plastic consistenta-plastic vartoasa./Filling of powdery brown-grey clay, in mixture with gravel and rare crushed stone, plastically consistent-plastically stiff.

Argila prafoasa, cafeniu-cenusie, plastic vartoasa./  
Brown-grey powdery clay, plastically stiff.



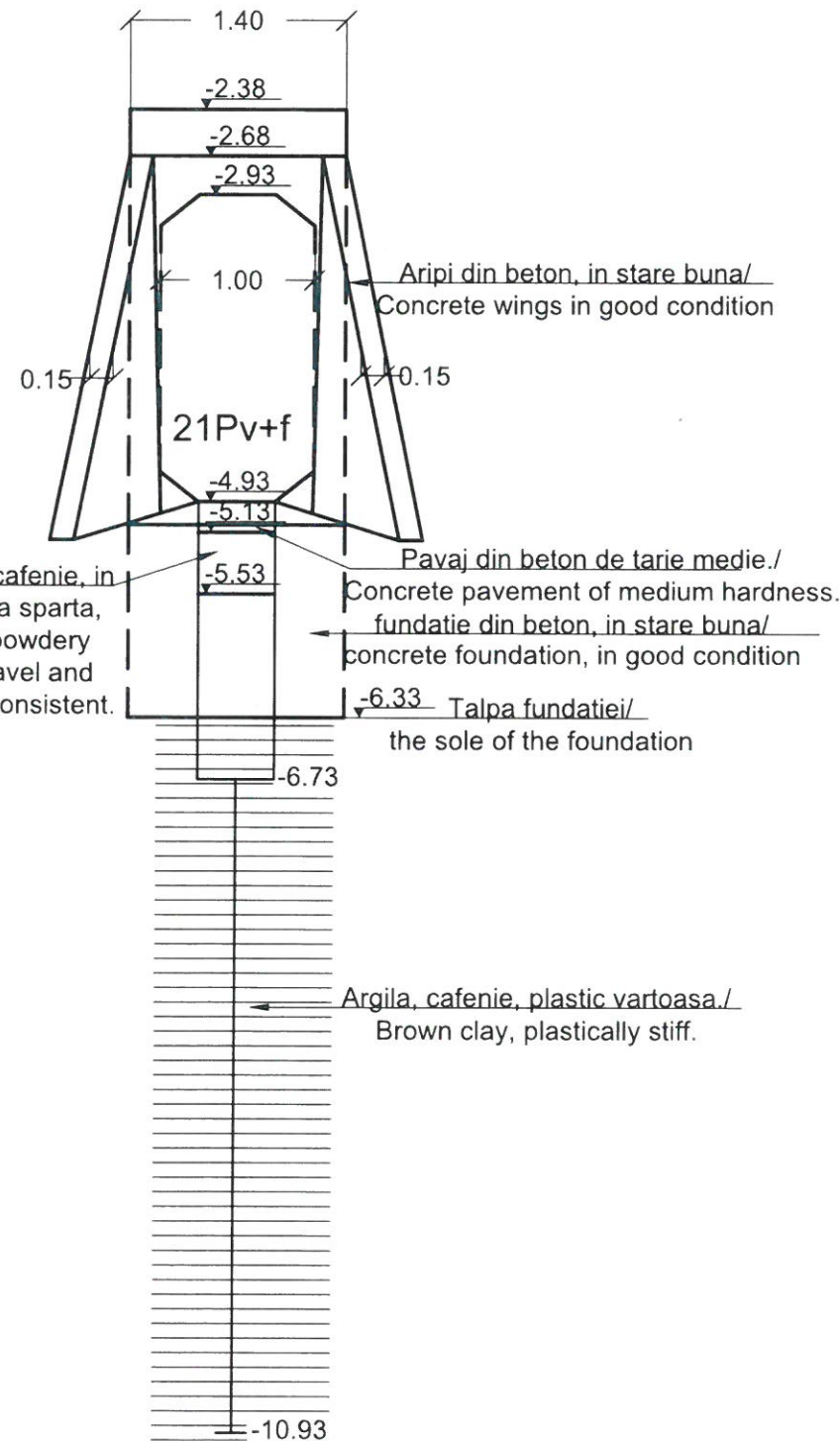
<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR:	& Inginieria J40/9877/2001 J40/20534/2004 JI40/12943/1994	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: EXPERT CHEIE/ KEY EXPERT: MP/PM	NUME/NAME ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE:   	SPECIALITATE/ SPECIALITY: <b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 36+705</b> DENUMIRE PLAN/ DRAWING TITLE: <b>Vedere in plan si releveu podet sondaj 20Pv+f km 36+705</b>
DATA/DATE: <b>03.2018</b>		SCARA/SCALE: <b>1:50/1:100</b>	EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>
COD PLAN/ CODIFICATION SYSTEM: <b>SG 207 Lot 2 21 Pd02 01 00</b>			

Sc: 1:100



0.00 NSS

Sc: 1:50



Umplutura din argila prafoasa, cafenie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

Aripi din beton, in stare buna/  
Concrete wings in good condition

Pavaj din beton de tarie medie./  
Concrete pavement of medium hardness.  
fundatie din beton, in stare buna/  
concrete foundation, in good condition

Talpa fundatiei/  
the sole of the foundation

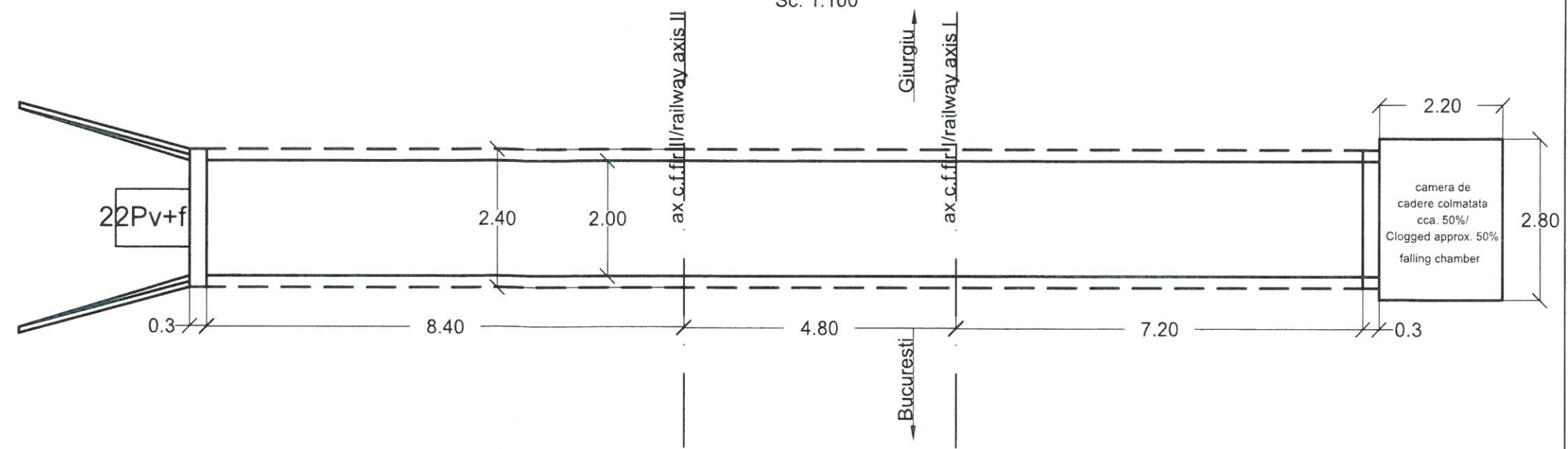
Argila, cafenie, plastic vartoasa./  
Brown clay, plastically stiff.



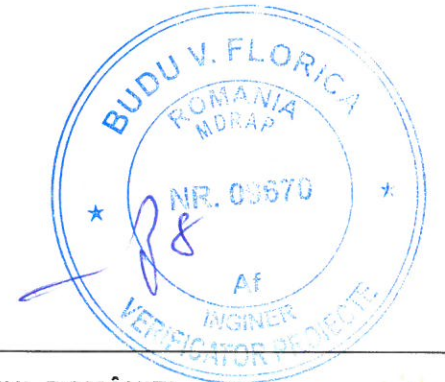
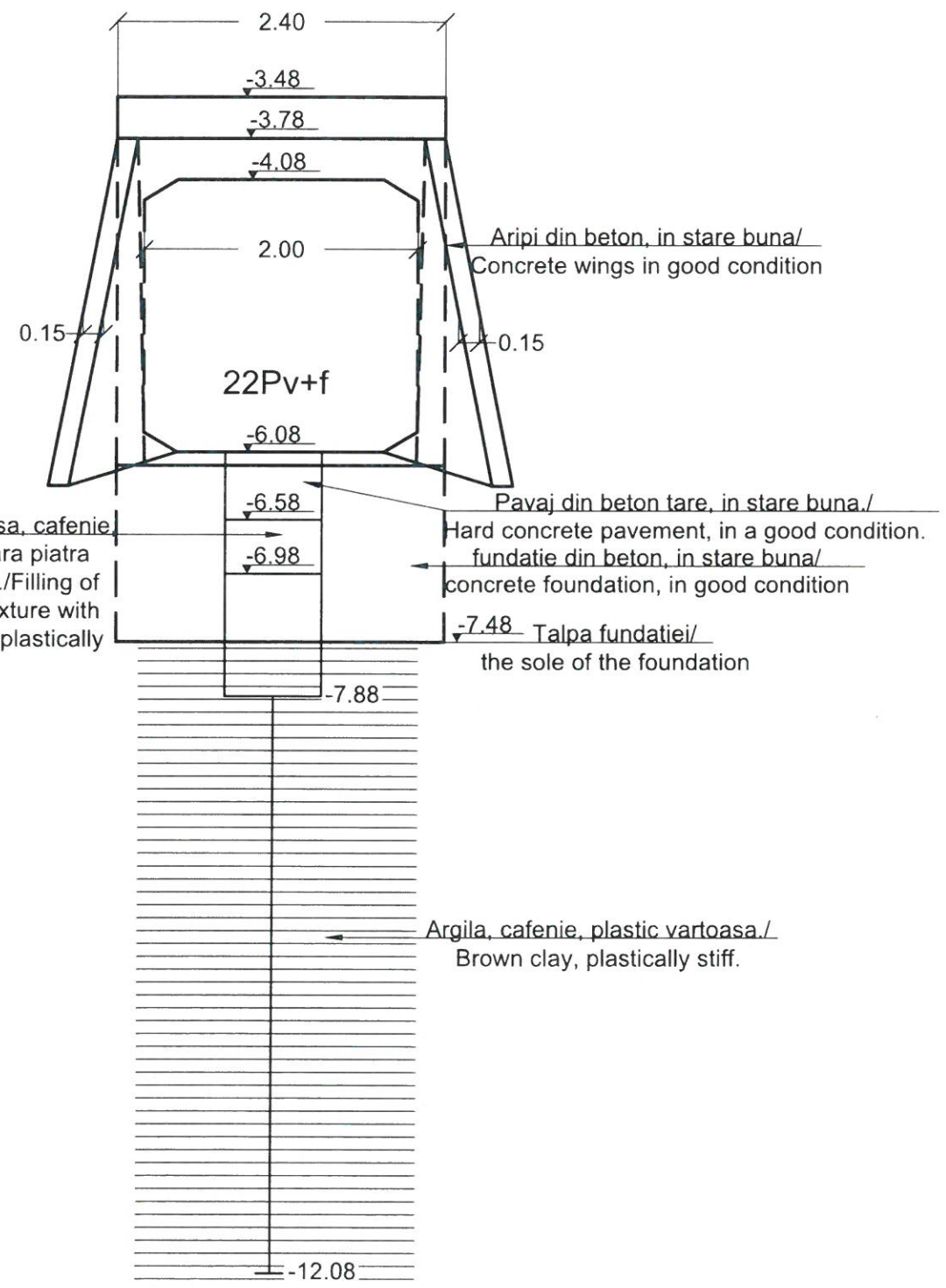
<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR</b> BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
<b>PROIECTANT/ DESIGNER:</b> ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata		<b>SEMNTURA/ SIGNATURE:</b> 	
<b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu		<b>SPECIALITATE/ SPECIALITY:</b> <b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 37+817	
<b>MP/PM:</b> ing. M. Baicu		<b>DENUMIRE PLAN/ DRAWING TITLE:</b> <b>Vedere in plan si relevu podet sondaj 21Pv+f km 37+817</b>	
<b>DATA/DATE:</b> 03.2018		<b>SCARA/SCALE:</b> 1:50/1:100	
<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>COD PLAN/ CODIFICATION SYSTEM:</b> SG 207 Lot 2 21 Pd03 01 00	

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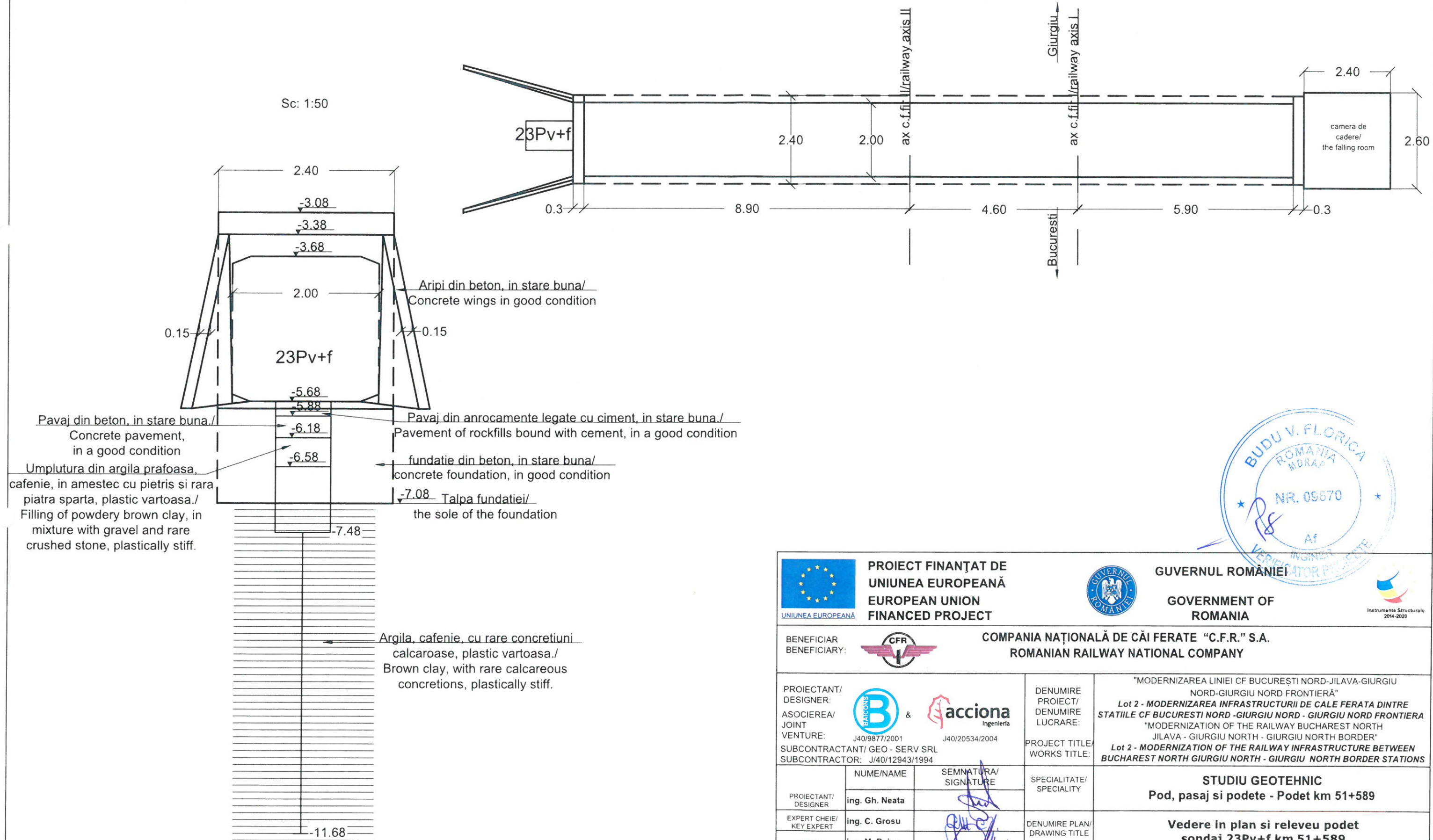


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR / BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT / DESIGNER:  &	ASOCIEREA / JOINT VENTURE: J40/9877/2001 & J40/20534/2004	DENUMIRE PROIECT / DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ"	Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA
SUBCONTRACTANT / GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	PROJECT TITLE / WORKS TITLE: "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER"	Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
PROIECTANT / DESIGNER: ing. Gh. Neata	SEMNATURA / SIGNATURE:	SPECIALITATE / SPECIALITY:	<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 51+050</b>
EXPERT CHEIE / KEY EXPERT: ing. C. Grosu	SEMNATURA / SIGNATURE:	DENUMIRE PLAN / DRAWING TITLE:	<b>Vedere in plan si releveu podet sondaj 22Pv+f km 51+050</b>
MP/PM: ing. M. Baicu	SEMNATURA / SIGNATURE:	EXEMPLAR NR. / EXEMPLARY NO.: 1	COD PLAN / CODIFICATION SYSTEM:
DATA / DATE: 03.2018	SCARA / SCALE: 1:50/1:100	SG 207 Lot 2 27 Pd01 01 00	



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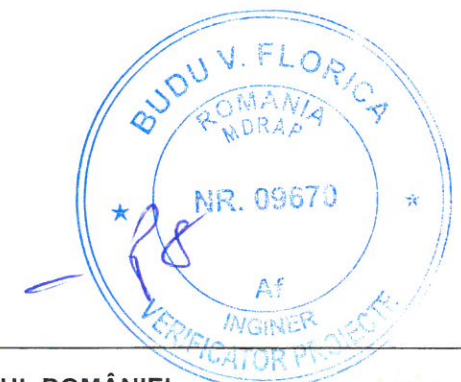
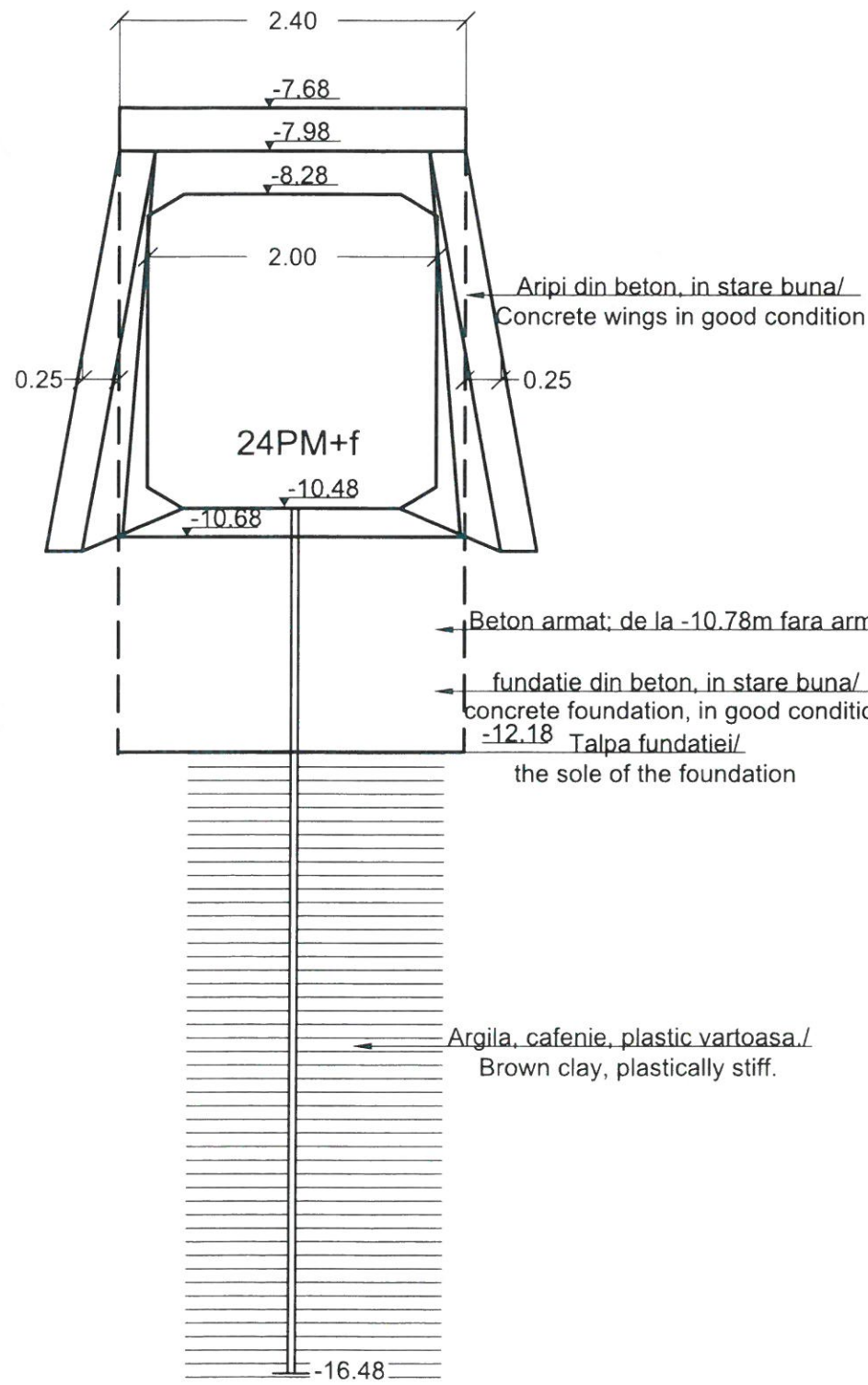
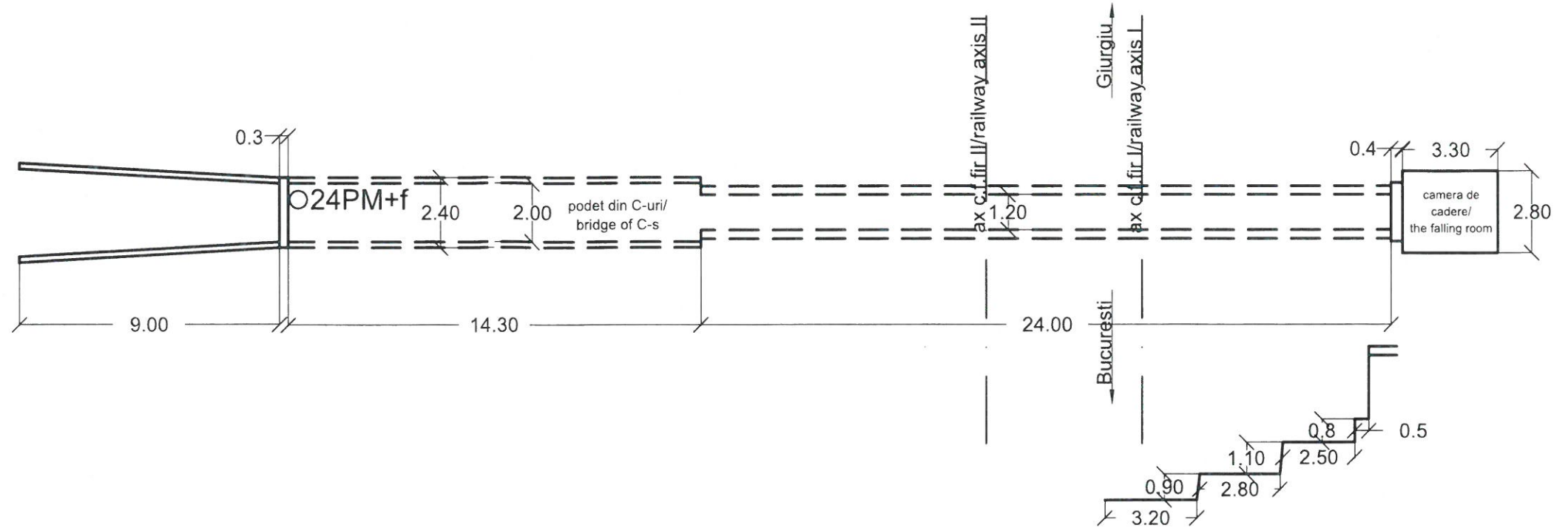
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR</b> BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
<b>PROIECTANT/ DESIGNER:</b> ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR:		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> PROJECT TITLE/ WORKS TITLE:	
& J40/9877/2001 & J40/20534/2004 J/40/12943/1994		"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata		<b>SEMNATURA/ SIGNATURE:</b> 	
<b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu		<b>SPECIALITATE/ SPECIALITY:</b> <b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 51+589	
<b>MP/PM:</b> ing. M. Baicu		<b>DENUMIRE PLAN/ DRAWING TITLE:</b> <b>Vedere in plan si releveu podet sondaj 23Pv+f km 51+589</b>	
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<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>COD PLAN/ CODIFICATION SYSTEM:</b> SG 207 Lot 2 27 Pd02 01 00	

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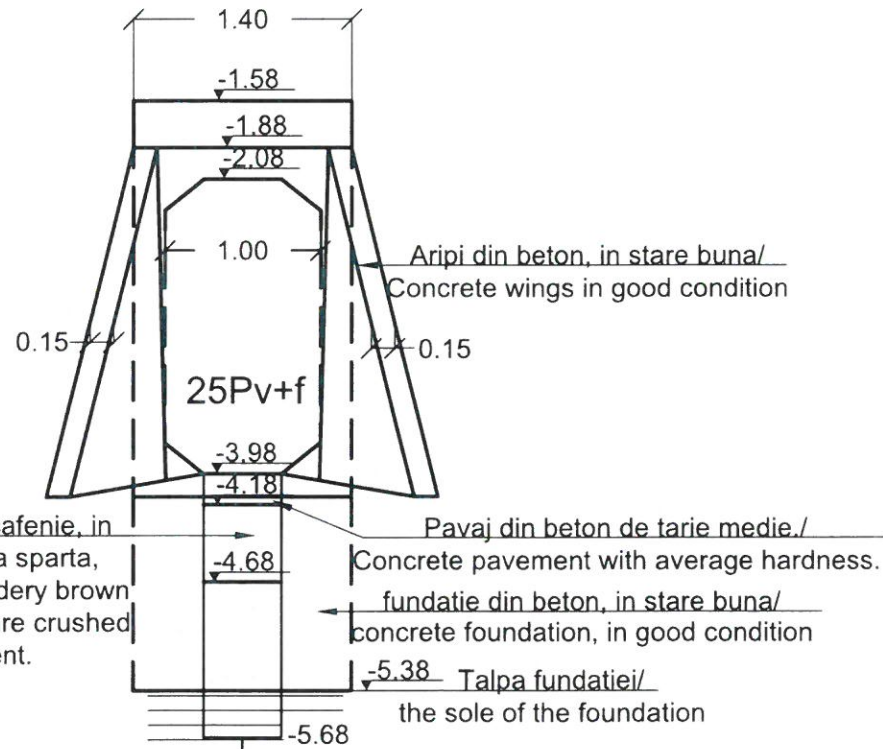
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER: ASOCIEREA/Joint Venture: SUBCONTRACTANT/ SUBCONTRACTOR:	& J40/9877/2001 & J40/20534/2004 GEO - SERV SRL J40/12943/1994	DENUMIRE PROIECT/DENUMIRE LUCRARE: PROJECT TITLE/WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/DESIGNER: EXPERT CHEIE/KEY EXPERT: MP/PM	NUME/NAME: ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/SIGNATURE: 	SPECIALITATE/SPECIALITY: <b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 52+010</b>
DATA/DATE: <b>03.2018</b>	SCARA/SCALE: <b>1:50/1:200</b>	EXEMPLAR NR./EXEMPLARY NO.: <b>1</b>	COD PLAN/CODIFICATION SYSTEM: <b>SG 207 Lot 2 27 Pd03 01 00</b>

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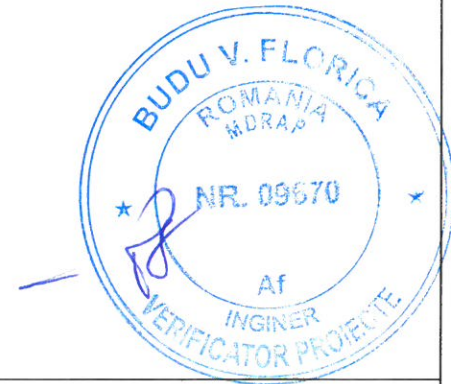
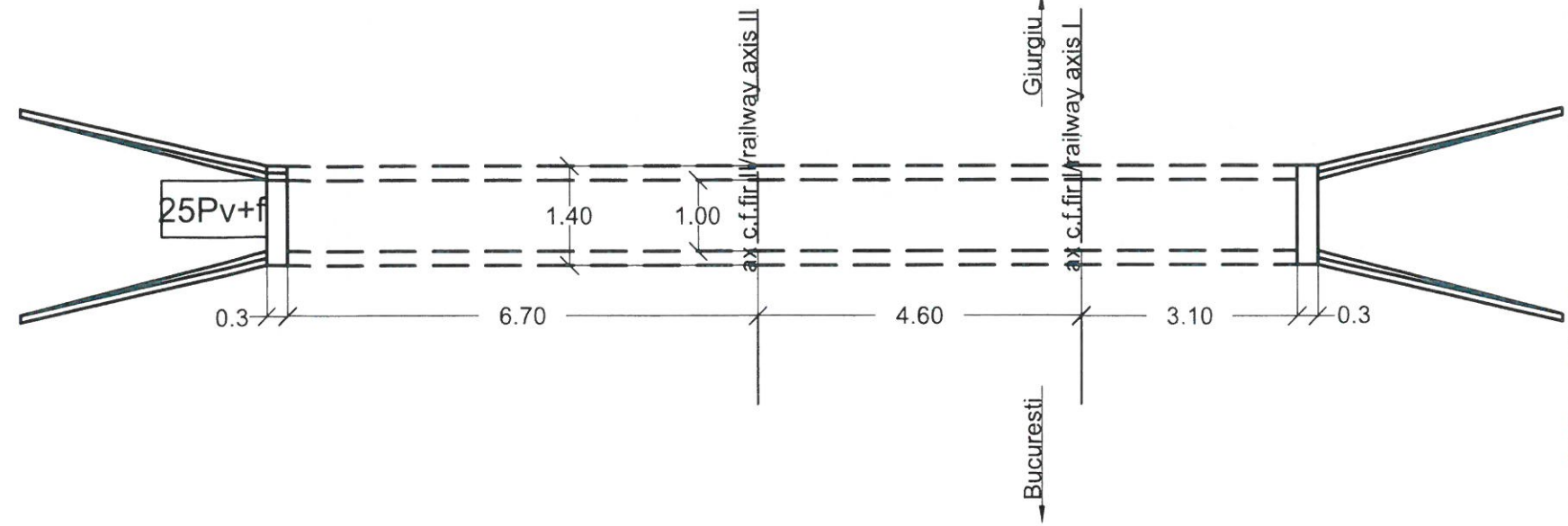
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Umplutura din argila prafoasa, cafenie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

Argila, cafenie, cu rare concretuni calcaroase, plastic vartoasa; de la -4.68m la -5.18m in amestec cu rar pietris; de la -7.18m plastic consistenta-plastic vartoasa./  
Brown clay, with rare calcareous concretions, plastically stiff; from -4.68 m to -5.18m, in mixture with rare gravel; from -7.18m plastically consistent-plastically stiff.

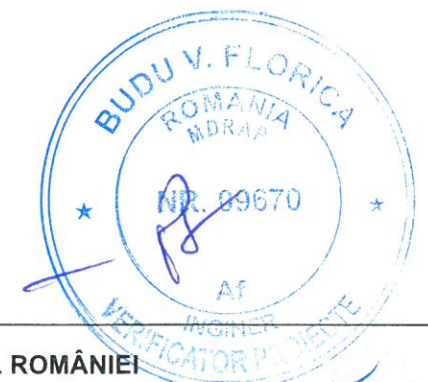
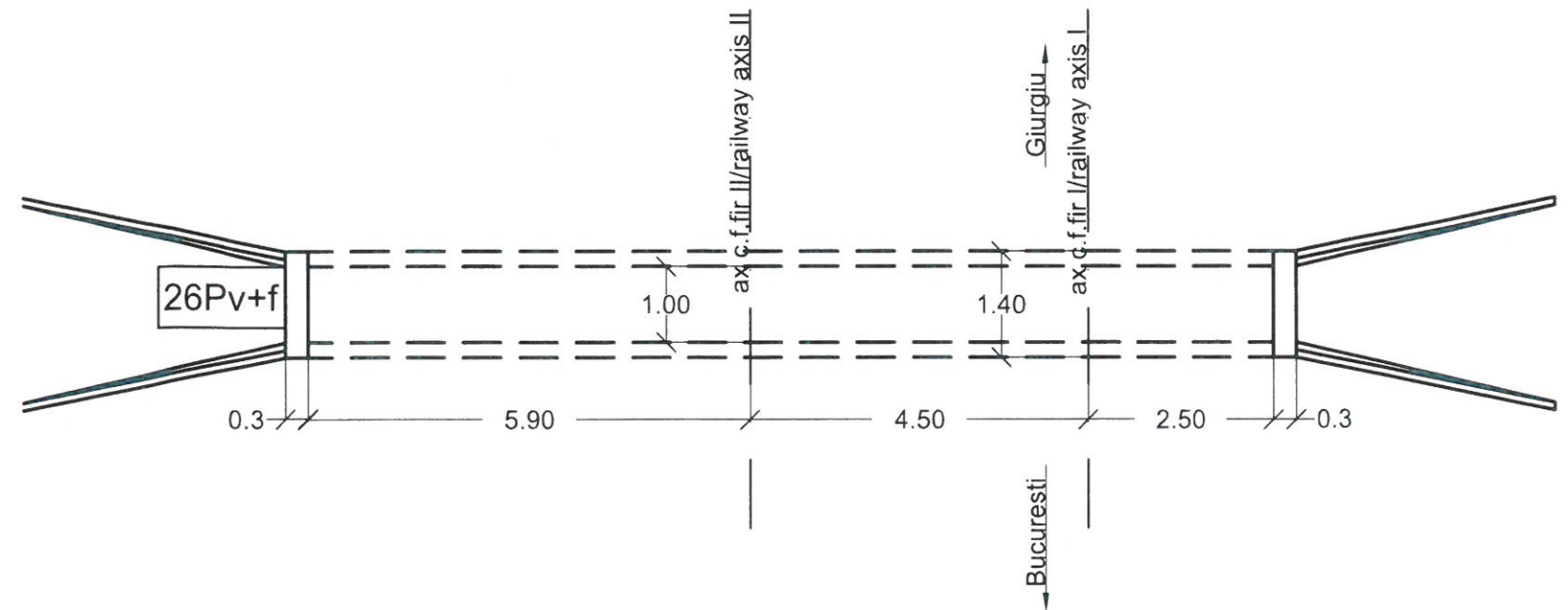
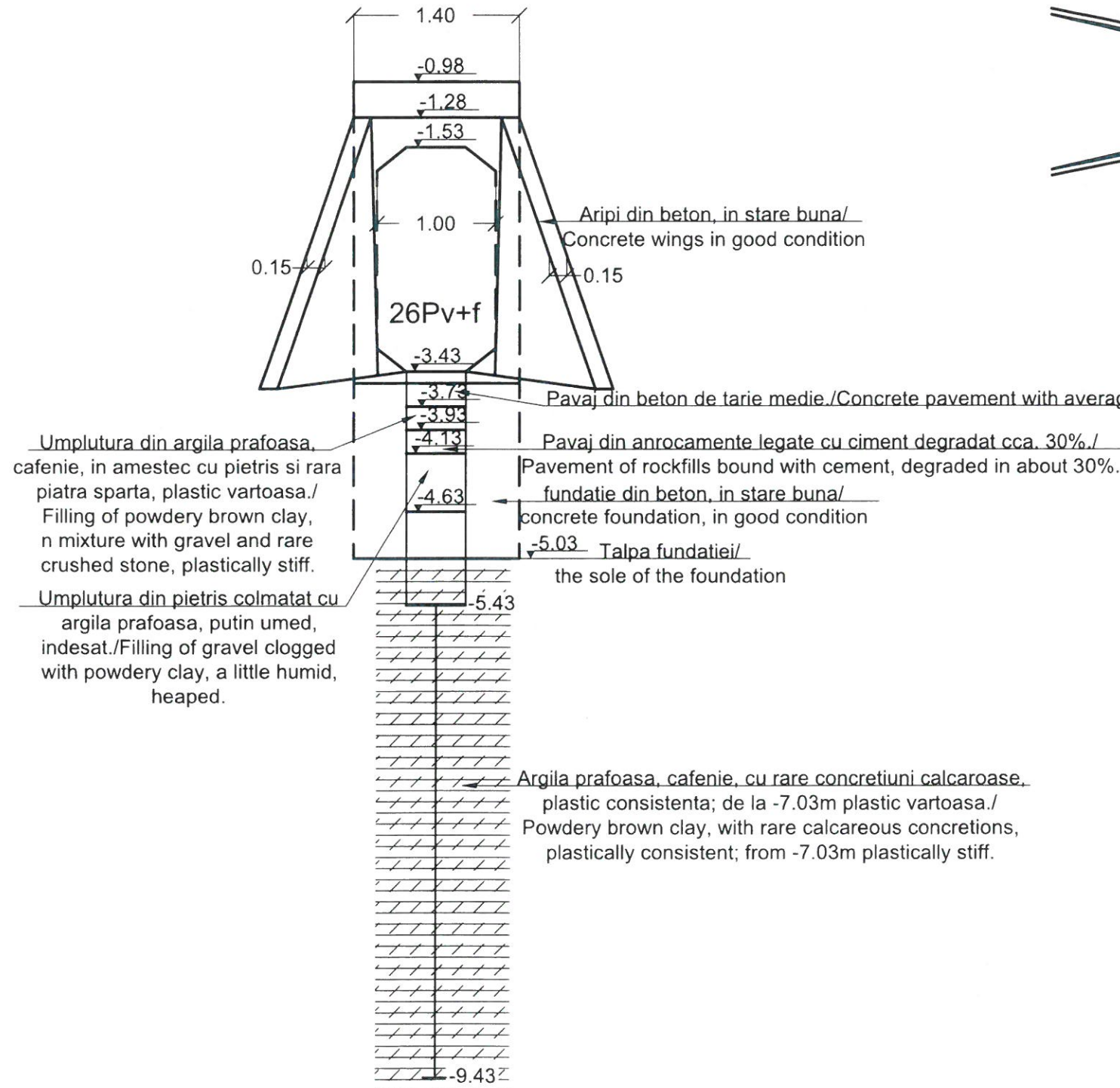
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR BENEFICIARY:</b>		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
<b>PROIECTANT/ DESIGNER:</b>		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b>	
<b>ASOCIEREA/ JOINT VENTURE:</b>		<b>PROJECT TITLE/ WORKS TITLE:</b>	
<b>SUBCONTRACTANT/ GEO - SERV SRL</b>		<b>Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA</b>	
<b>SUBCONTRACTOR: J/40/12943/1994</b>		<b>Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS</b>	
<b>PROIECTANT/ DESIGNER:</b>		<b>SPECIALITATE/ SPECIALITY:</b>	
<b>EXPERT CHEIE/ KEY EXPERT:</b>		<b>DENUMIRE PLAN/ DRAWING TITLE:</b>	
<b>MP/PM:</b>		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 52+300</b>	
<b>DATA/DATE:</b>		<b>VEDERE IN PLAN SI RELEVU PODET</b> <b>sondaj 25Pv+f km 52+300</b>	
<b>03.2018</b>		<b>SCARA/SCALE:</b>	
<b>1:50/1:100</b>		<b>EXEMPLAR NR./ EXEMPLARY NO.:</b>	
<b>1</b>		<b>COD PLAN/ CODIFICATION SYSTEM:</b>	
<b>SG 207 Lot 2 27 Pd04 01 00</b>			

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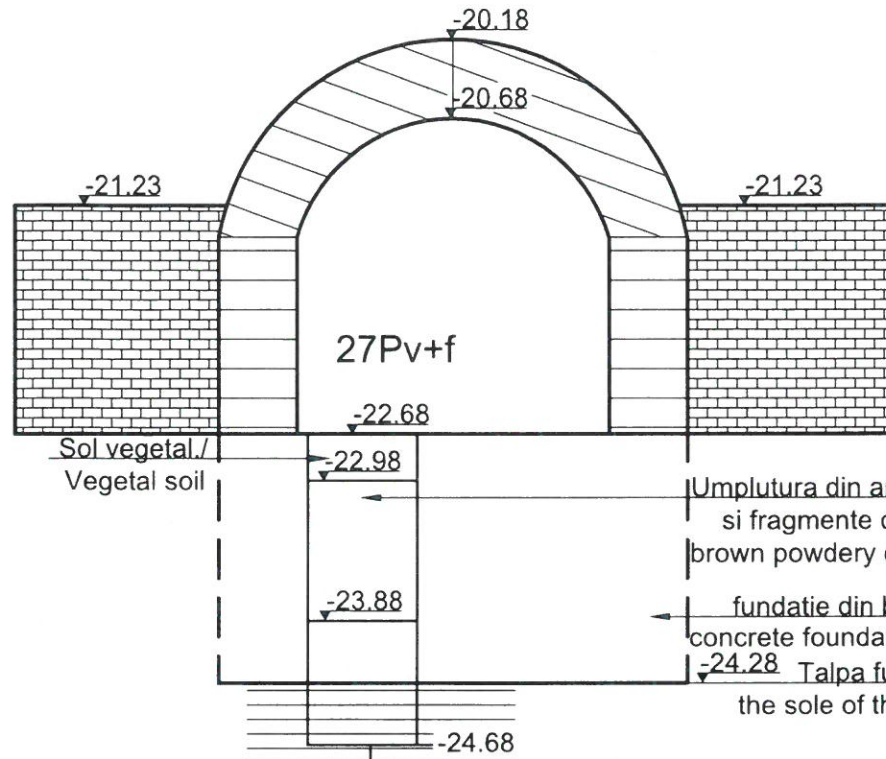
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR / BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT / DESIGNER:	ASOCIEREA / JOINT VENTURE: J40/9877/2001 & J40/20534/2004	DENUMIRE PROIECT / DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ"	Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA
SUBCONTRACTANT / GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	PROJECT TITLE / WORKS TITLE: "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER"	Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
PROIECTANT / DESIGNER: ing. Gh. Neata	EXPERT CHEIE / KEY EXPERT: ing. C. Grosu	SEMNATURA / SIGNATURE:	SPECIALITATE / SPECIALITY: <b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 52+650</b>
MP/PM: ing. M. Baicu	DATA / DATE: 03.2018	SCARA / SCALE: 1:50/1:100	DENUMIRE PLAN / DRAWING TITLE: <b>Vedere in plan si releveu podet sondaj 26Pv+f km 52+650</b>
EXEMPLAR NR. / EXEMPLARY NO.: 1		COD PLAN / CODIFICATION SYSTEM: SG 207 Lot 2 27 Pd05 01 00	

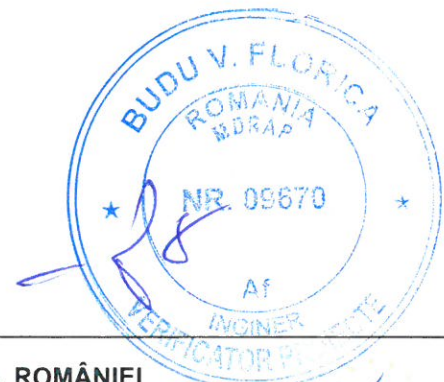
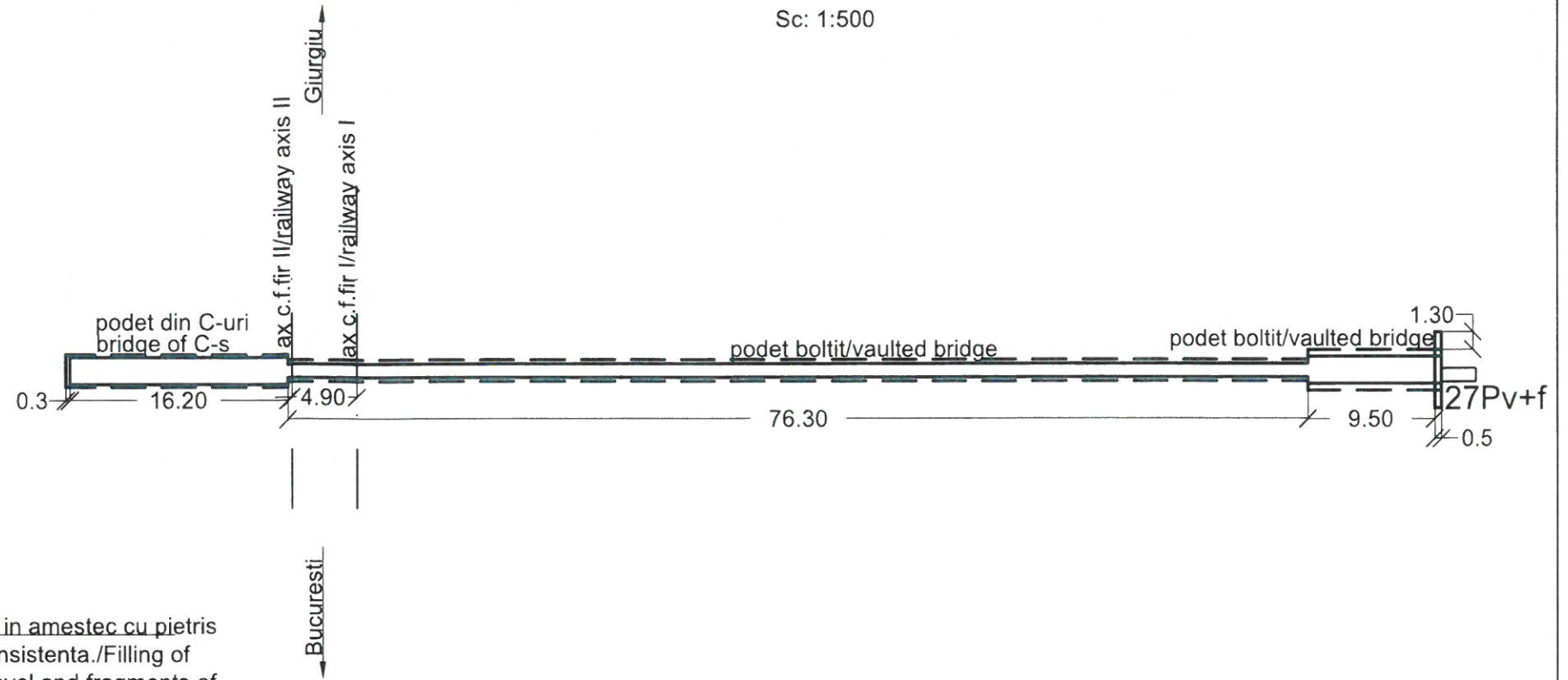
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Umplutura din argila prafoasa, cafenie, in amestec cu pietris si fragmente de caramida, plastic consistenta./Filling of brown powdery clay, in mixture with gravel and fragments of brick, plastically consistent.  
 fundatie din beton cu var hidraulic, usor friabil/  
 concrete foundation with hydraulic lime, slightly brittle  
 -24.28 Talpa fundatiei/  
 the sole of the foundation

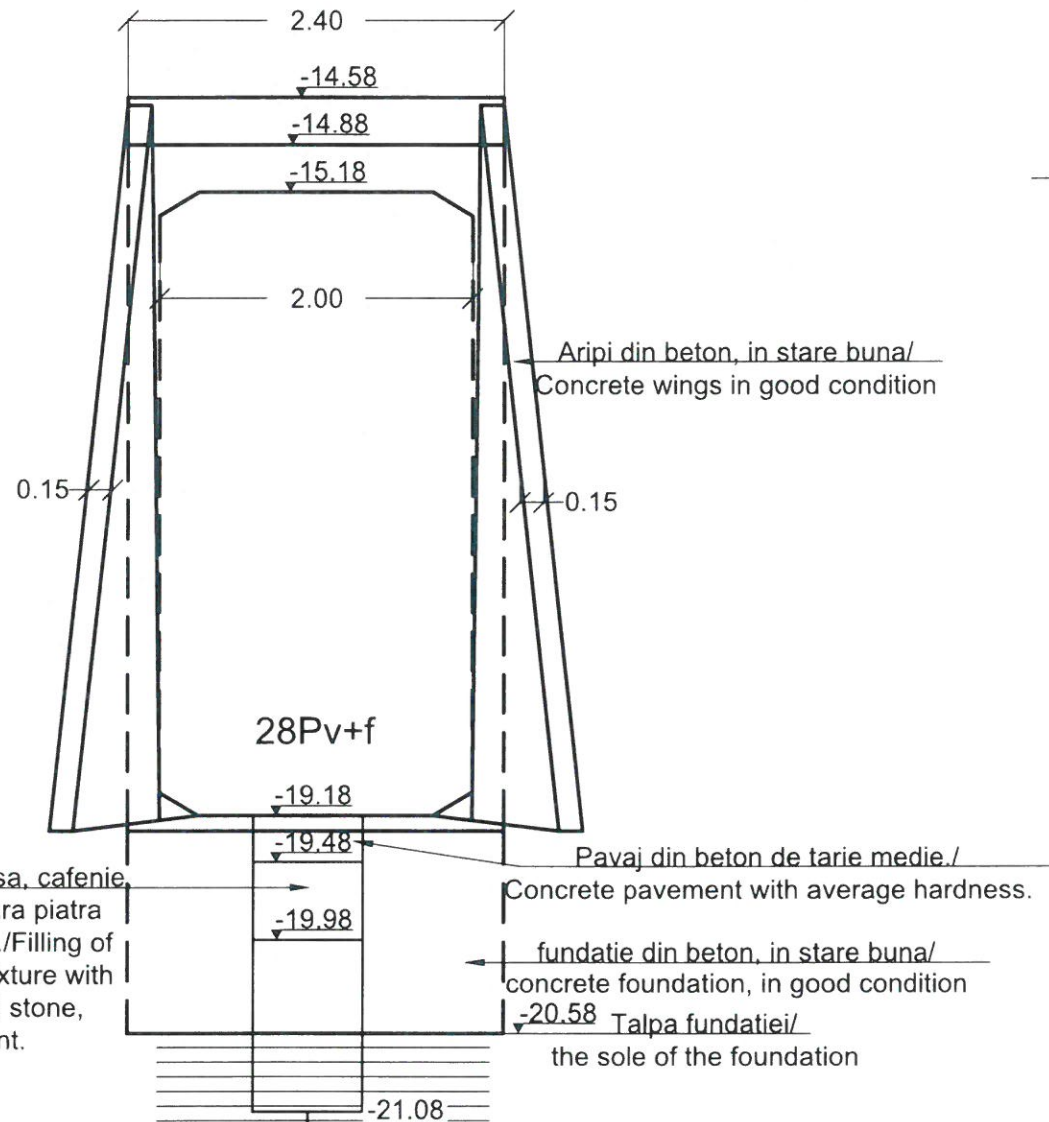
Argila (marnoasa), cenusie, cu rare concretuni calcaroase, plastic vartoasa./  
 (Marly) clay, grey, with rare calcareous concretions, plastically stiff.



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:  &		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/ JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE/ WORKS TITLE:	
PROIECTANT/ DESIGNER: ing. Gh. Neata		SEMNATURA/ SIGNATURE:	
EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu		SPECIALITATE/ SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE:	
DATA/DATE: 03.2018		SCARA/SCALE: 1:50/1:500	
EXEMPLAR NR./ EXEMPLARY NO.: 1		COD PLAN/ CODIFICATION SYSTEM:	
		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 53+451</b>	
		<b>Vedere in plan si releveu podet sondaj 27Pv+f km 53+451</b>	
		SG 207 Lot 2 27 Pd06 01 00	

Sc: 1:500

Sc: 1:50



Umplutura din argila prafoasa, cafenie, in amestec cu pietris si rara piatra sparta, plastic consistenta./Filling of powdery brown clay, in mixture with gravel and rare crushed stone, plastically consistent.

Aripi din beton, in stare buna/  
Concrete wings in good condition

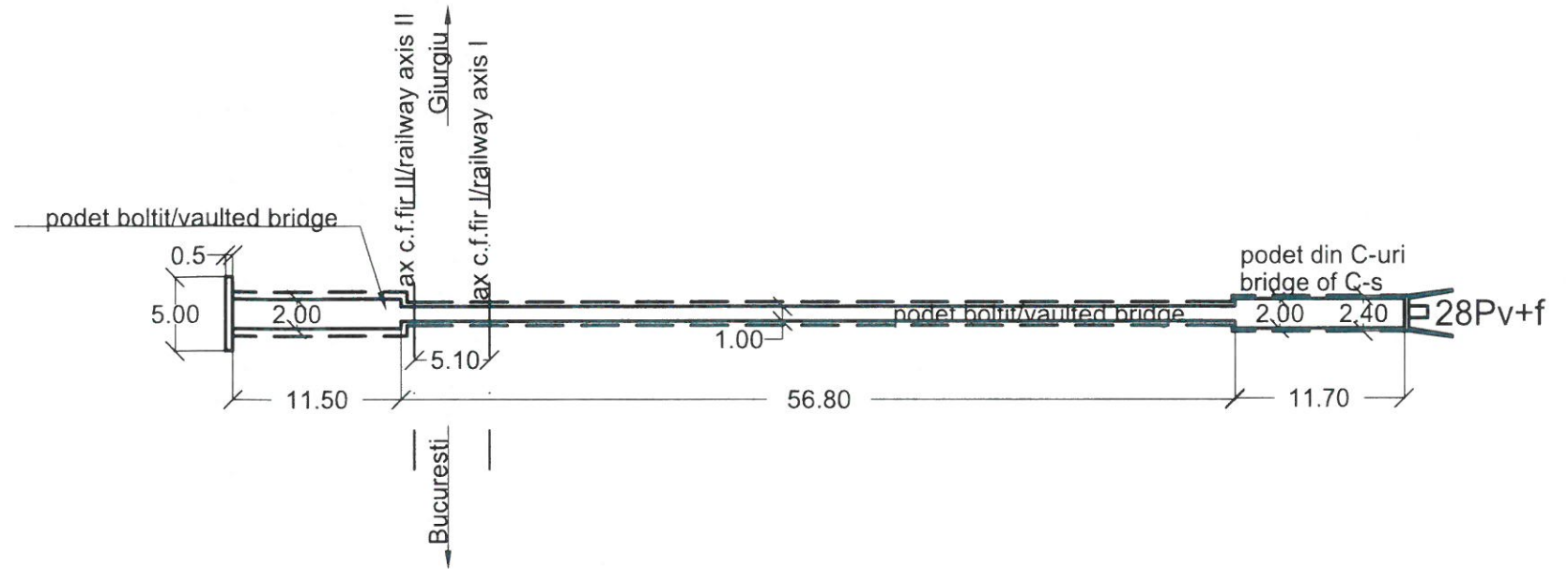
Pavaj din beton de tarie medie./  
Concrete pavement with average hardness.

fundatie din beton, in stare buna/  
concrete foundation, in good condition

Talpa fundatiei/  
the sole of the foundation

Argila, cafeniu-cenusie, plastic consistenta; de la -20.38m in amestec cu rare concretiuni calcaroase, plastic vartoasa./Brown-grey clay, plastically consistent; from -20.38m in mixture with rare calcareous concretions, plastically stiff.

Nisip mic, cafeniu, saturat, cu indesare medie./  
Small brown saturated sand, with average compaction degree.

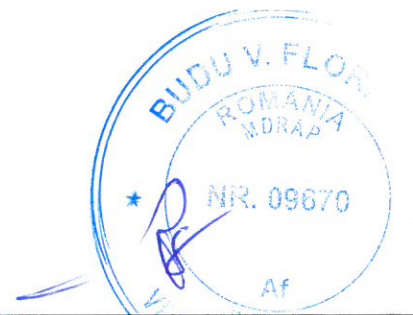
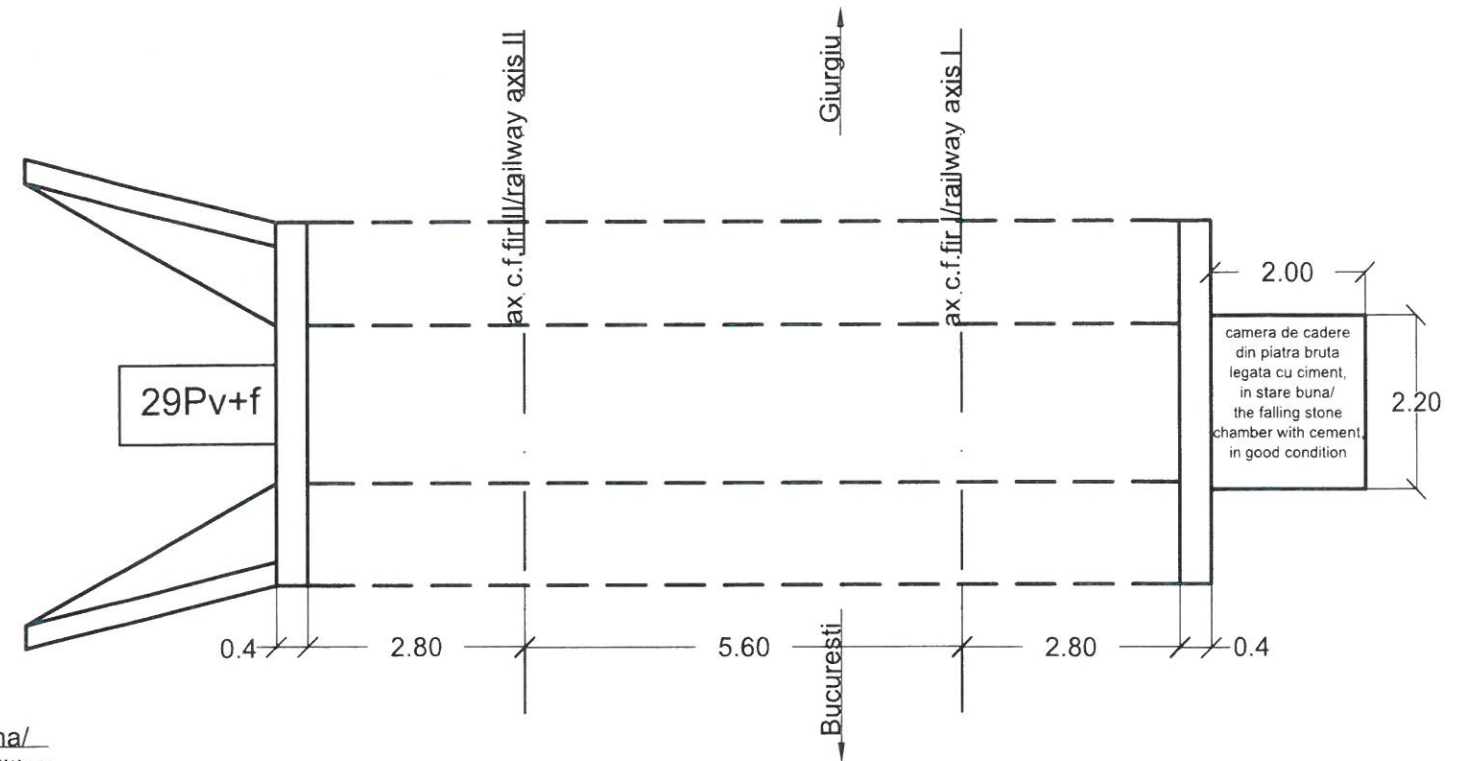
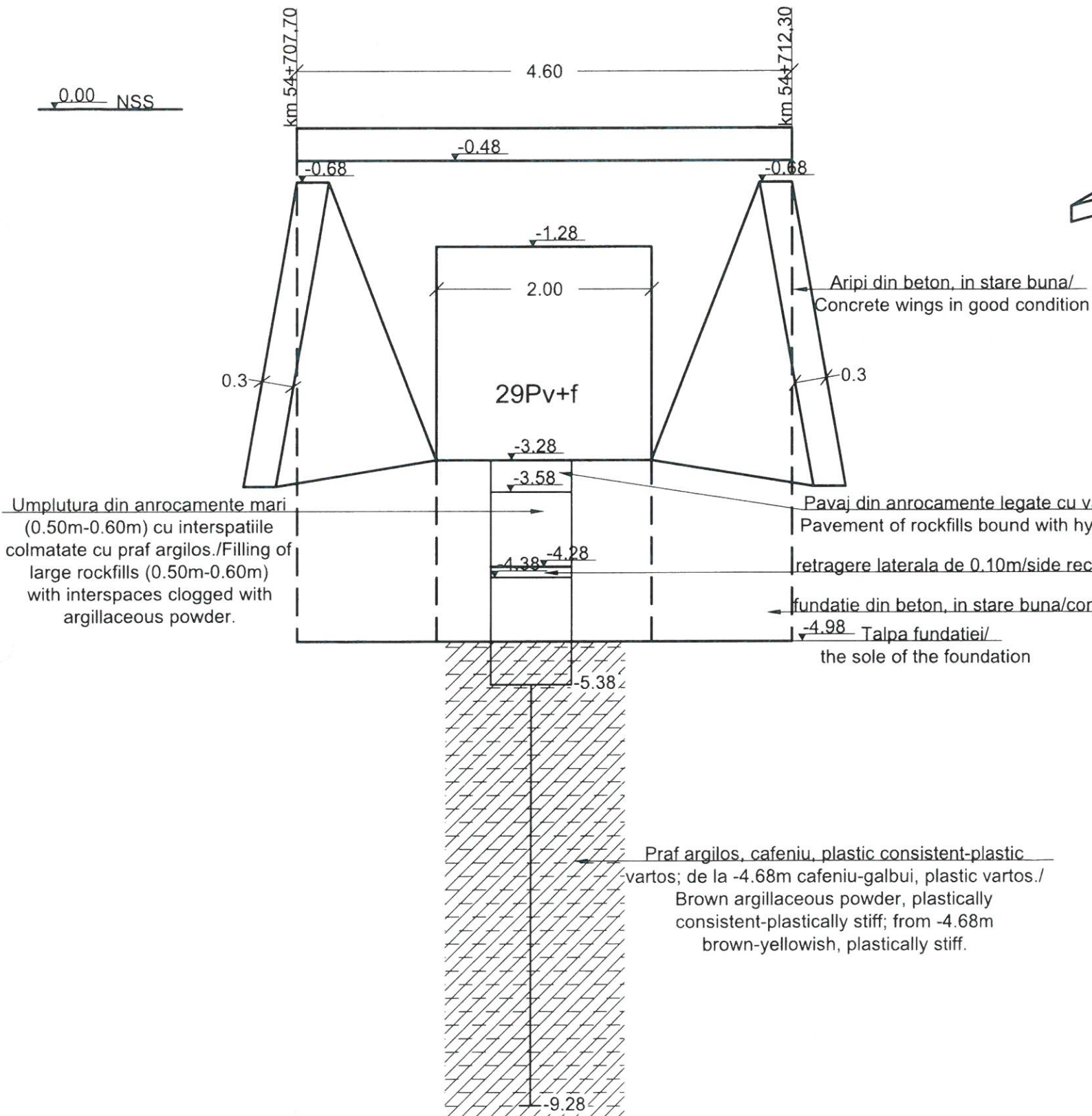


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER: ASOCIEREA/JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	& J40/9877/2001 J40/20534/2004	DENUMIRE PROIECT/DENUMIRE LUCRARE: PROJECT TITLE/WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/DESIGNER: ing. Gh. Neata	SEMNATURA/SIGNATURE:	SPECIALITATE/SPECIALITY:	<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 54+198</b>
EXPERT CHEIE/KEY EXPERT: ing. C. Grosu		DENUMIRE PLAN/DRAWING TITLE:	<b>Vedere in plan si releveu podet sondaj 28Pv+f km 54+198</b>
MP/PM: ing. M. Baicu		EXEMPLAR NR./EXEMPLARY NO.: 1	COD PLAN/CODIFICATION SYSTEM: SG 207 Lot 2 27 Pd07 01 00
DATA/DATE: 03.2018	SCARA/SCALE: 1:50/1:500		

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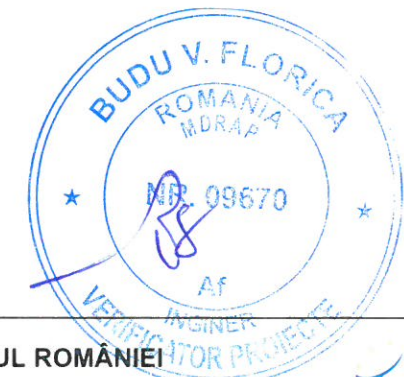
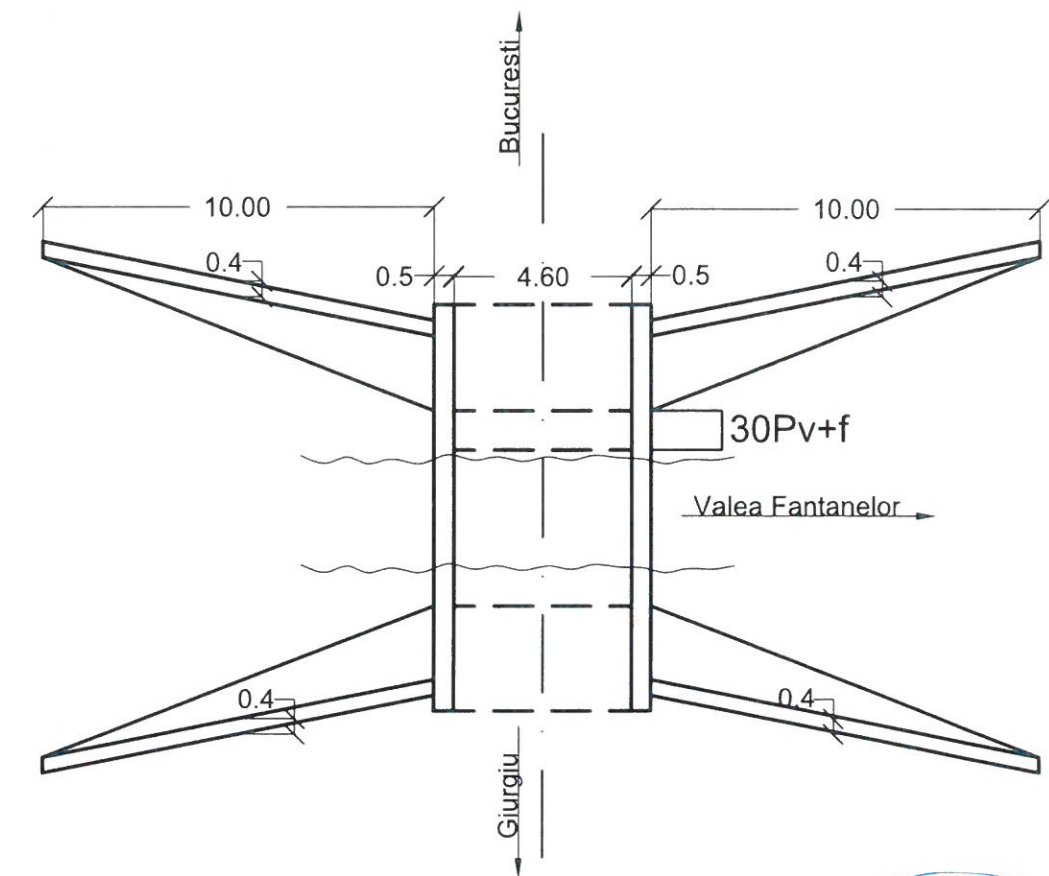
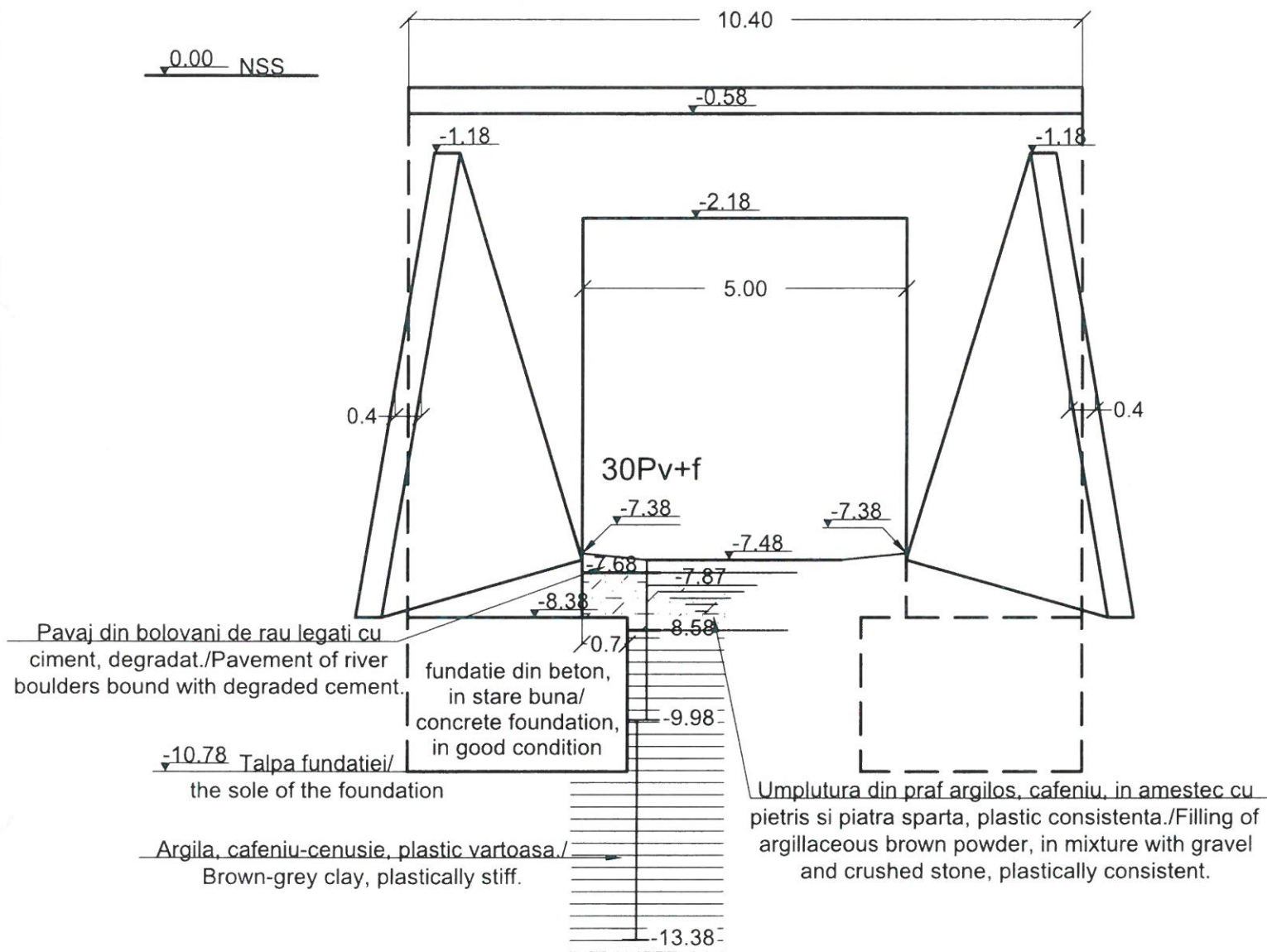
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	& J40/9877/2001 J40/20534/2004	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: ing. Gh. Neata	SEMNATURA/ SIGNATURE: 	SPECIALITATE/ SPECIALITY:	<b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 54+710
EXPERT CHEIE/ KEY EXPERT: MP/PM: ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE: 	DENUMIRE PLAN/ DRAWING TITLE:	<b>Vedere in plan si releveu podet sondaj 29Pv+f km 54+710</b>
DATA/DATE: 03.2018	SCARA/SCALE: 1:50/1:100	EXEMPLAR NR./ EXEMPLARY NO.: 1	COD PLAN/ CODIFICATION SYSTEM: SG 207 Lot 2 28 Pd01 01 00

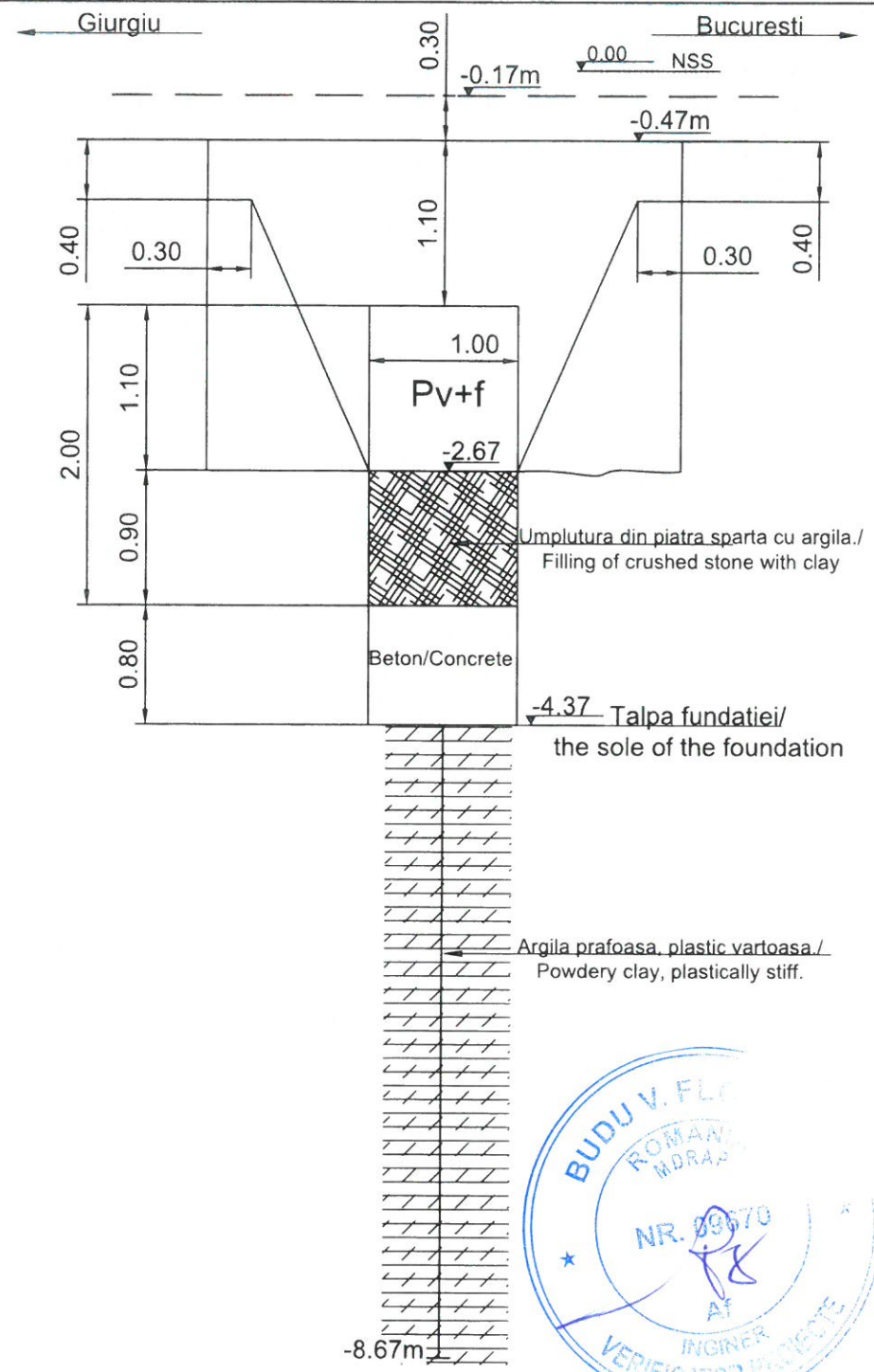
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<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER:  &		DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/ JOINT VENTURE: J40/9877/2001 J40/20534/2004		PROJECT TITLE/ WORKS TITLE:	
SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		STUDIU GEOTEHNIC Pod, pasaj si podete - Podet km 55+563	
PROIECTANT/ DESIGNER: ing. Gh. Neata		SEMNATURA/ SIGNATURE:	
EXPERT CHEIE/ KEY EXPERT: ing. C. Grosu		SPECIALITATE/ SPECIALITY:	
MP/PM: ing. M. Baicu		DENUMIRE PLAN/ DRAWING TITLE: Vedere in plan si releveu podet sondaj 30Pv+f km 55+560,50	
DATA/DATE: 03.2018		SCARA/SCALE: 1:100/1:200	
EXEMPLAR NR./ EXEMPLARY NO.: 1		COD PLAN/ CODIFICATION SYSTEM: SG 207 Lot 2 29 Pd01 01 00	







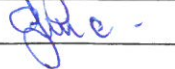

**PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ**  
 EUROPEAN UNION FINANCED PROJECT

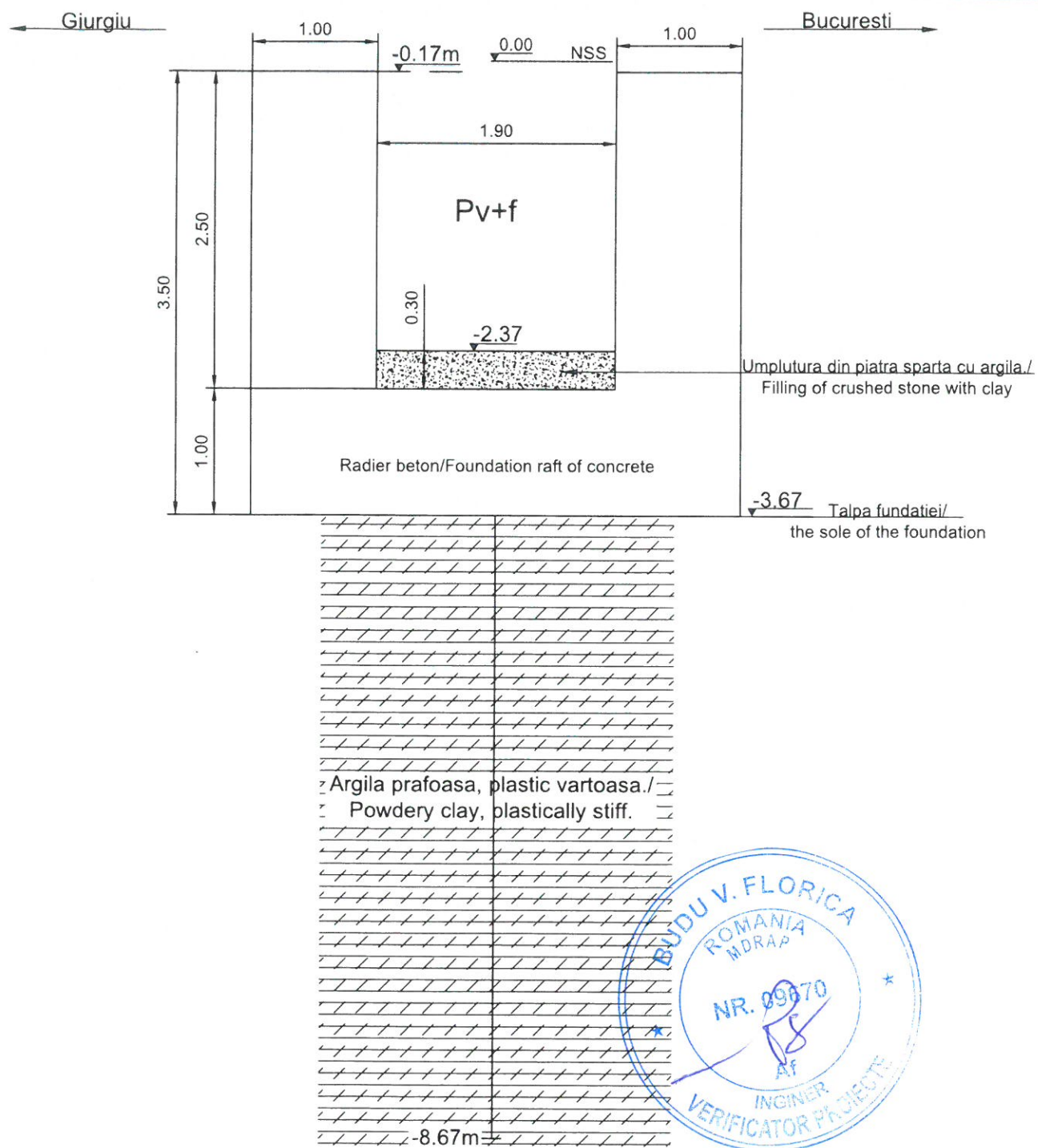

**GUVERNUL ROMÂNIEI**  
 GOVERNMENT OF ROMANIA



BENEFICIAR/BENEFICIARY:  **COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.**  
 ROMANIAN RAILWAY NATIONAL COMPANY

PROIECTANT/DESIGNER: ASOCIEREA/Joint Venture: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	 & 	DENUMIRE PROIECT/DENUMIRE LUCRARE: PROJECT TITLE/WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
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PROIECTANT/DESIGNER	NUME/NAME	SEM/NATURA/SIGNATURE	SPECIALITATE/SPECIALITY	<b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 58+111			
EXPERT CHEIE/KEY EXPERT	ing. C. Grosu		DENUMIRE PLAN/DRAWING TITLE				
MP/PM	ing. M. Baicu			COD PLAN/CODIFICATION SYSTEM:			
DATA/DATE:	SCARA/SCALE:	EXEMPLAR NR./EXEMPLARY NO.	SG 207 Lot 2 29 Pd02 01 00				
03.2018	1:50	1					





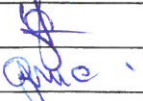

**PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ**  
 EUROPEAN UNION FINANCED PROJECT


**GUVERNUL ROMÂNIEI**  
 GOVERNMENT OF ROMANIA


 Instrumente Structurale 2014-2020

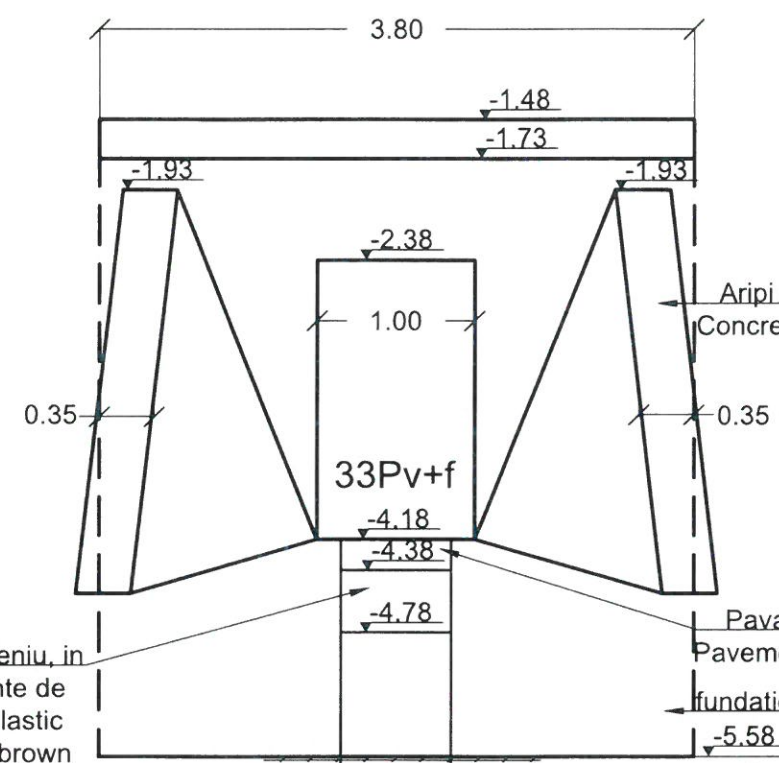
BENEFICIAR / BENEFICIARY:  **COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.**  
 ROMANIAN RAILWAY NATIONAL COMPANY

PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	 & 	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
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PROIECTANT/ DESIGNER	NUME/NAME	SEMNTURA/ SIGNATURE	SPECIALITATE/ SPECIALITY	<b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 60+125			
EXPERT CHEIE/ KEY EXPERT	ing. C. Grosu		DENUMIRE PLAN/ DRAWING TITLE				
MP/PM	ing. M. Baicu			COD PLAN/ CODIFICATION SYSTEM:			
DATA/DATE:	SCARA/SCALE:	EXEMPLAR NR./ EXEMPLARY NO.	SG 207 Lot 2 30 Pd01 01 00				
03.2018	1:50	1					

0.00 NSS

Sc: 1:50



Aripi din beton, in stare buna/  
Concrete wings in good condition

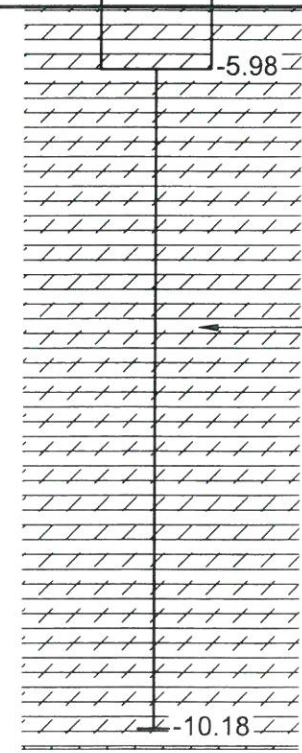
33Pv+f

Pavaj din anrocamente legate cu ciment, in stare buna/  
Pavement of rockfills bound with cement, in a good condition.

fundatie din beton, in stare buna/concrete foundation, in good condition

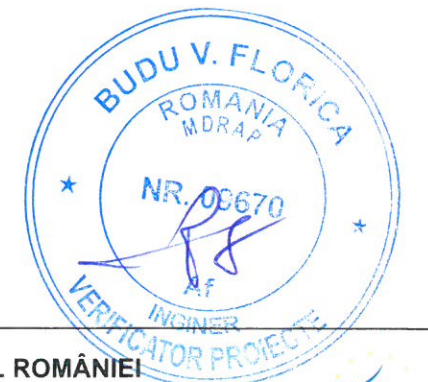
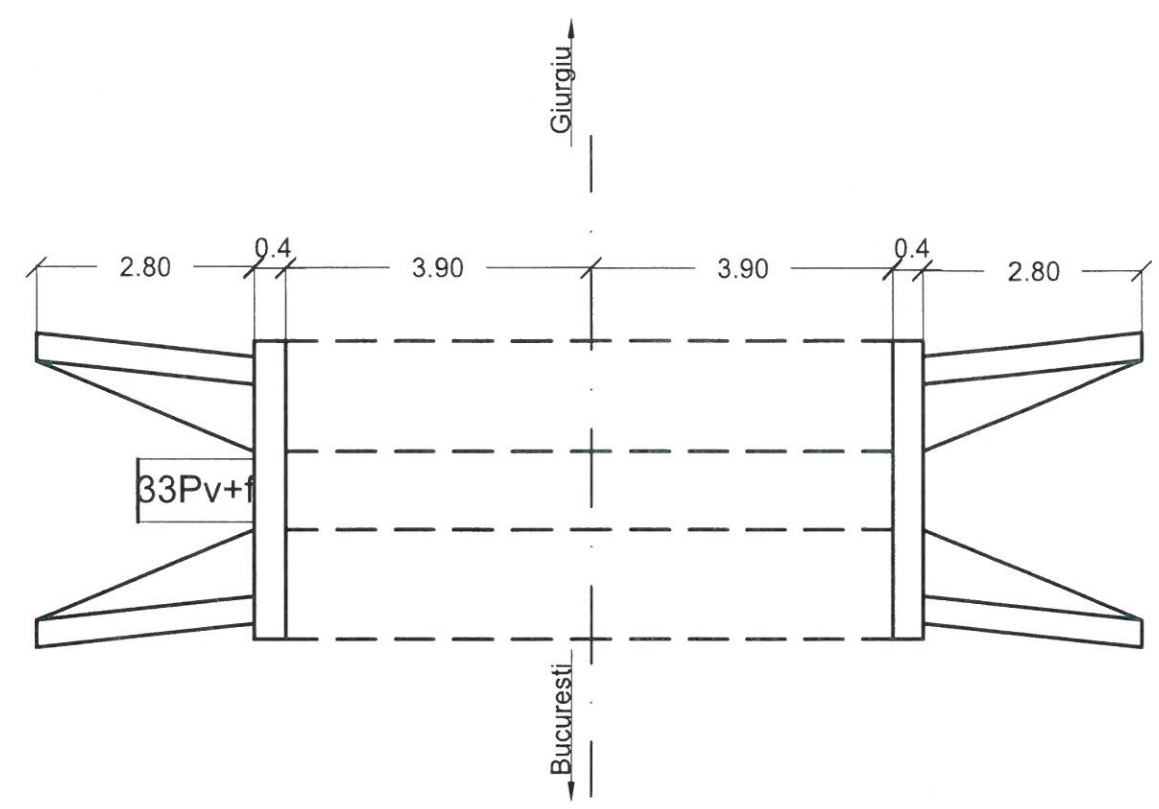
-5.58 Talpa fundatiei/  
the sole of the foundation

Umplutura din praf argilos, cafeniu, in amestec cu pietris si fragmente de caramizi, plastic consistent-plastic vartos./Filling of argillaceous brown powder, in mixture with gravel and fragments of bricks, plastically consistent-plastically stiff.



Argila prafoasa, cafenie, plastic vartosa./  
Brown powdery clay, plastically stiff.

Sc: 1:100

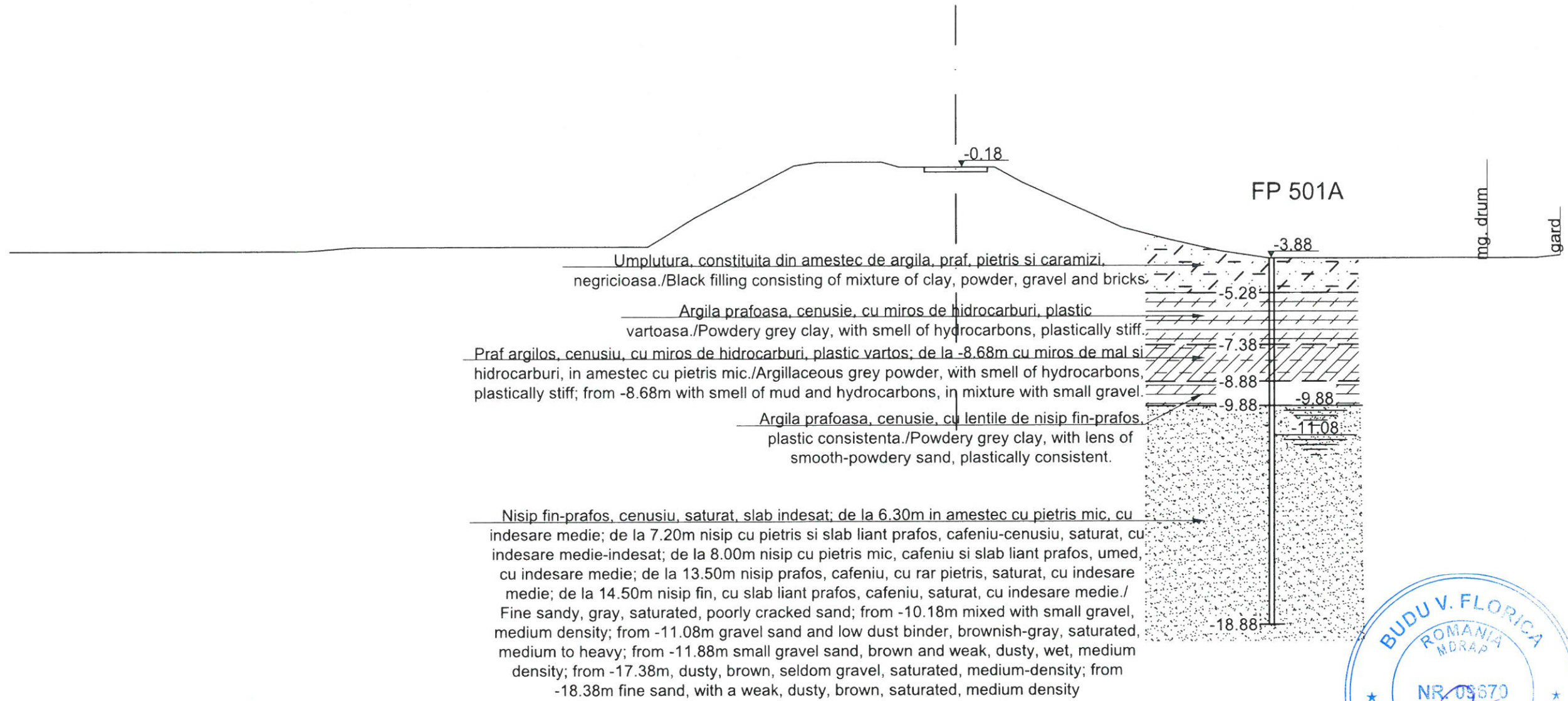


		<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> <b>EUROPEAN UNION FINANCED PROJECT</b>				<b>GUVERNUL ROMÂNIEI</b> <b>GOVERNMENT OF ROMANIA</b>	
		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> <b>ROMANIAN RAILWAY NATIONAL COMPANY</b>					
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994				DENUMIRE PROIECT/ DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 62+582</b>	
EXPERT CHEIE/ KEY EXPERT: MP/PM:		NUME/NAME: ing. Gh. Neata ing. C. Grosu ing. M. Baicu		SEMNATURA/ SIGNATURE: 		DENUMIRE PLAN/ DRAWING TITLE: <b>Vedere in plan si releveu podet sondaj 33Pv+f km 62+582</b>	
DATA/DATE: <b>03.2018</b>		SCARA/SCALE: <b>1:50/1:100</b>		EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>		COD PLAN/ CODIFICATION SYSTEM: <b>SG 207 Lot 2 31 Pd01 01 00</b>	

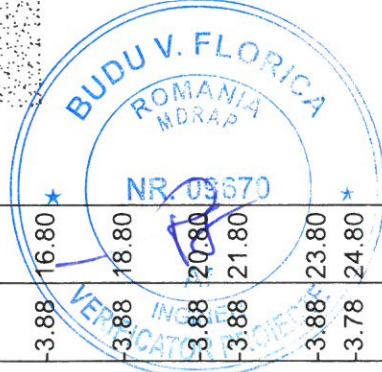




km 65+810

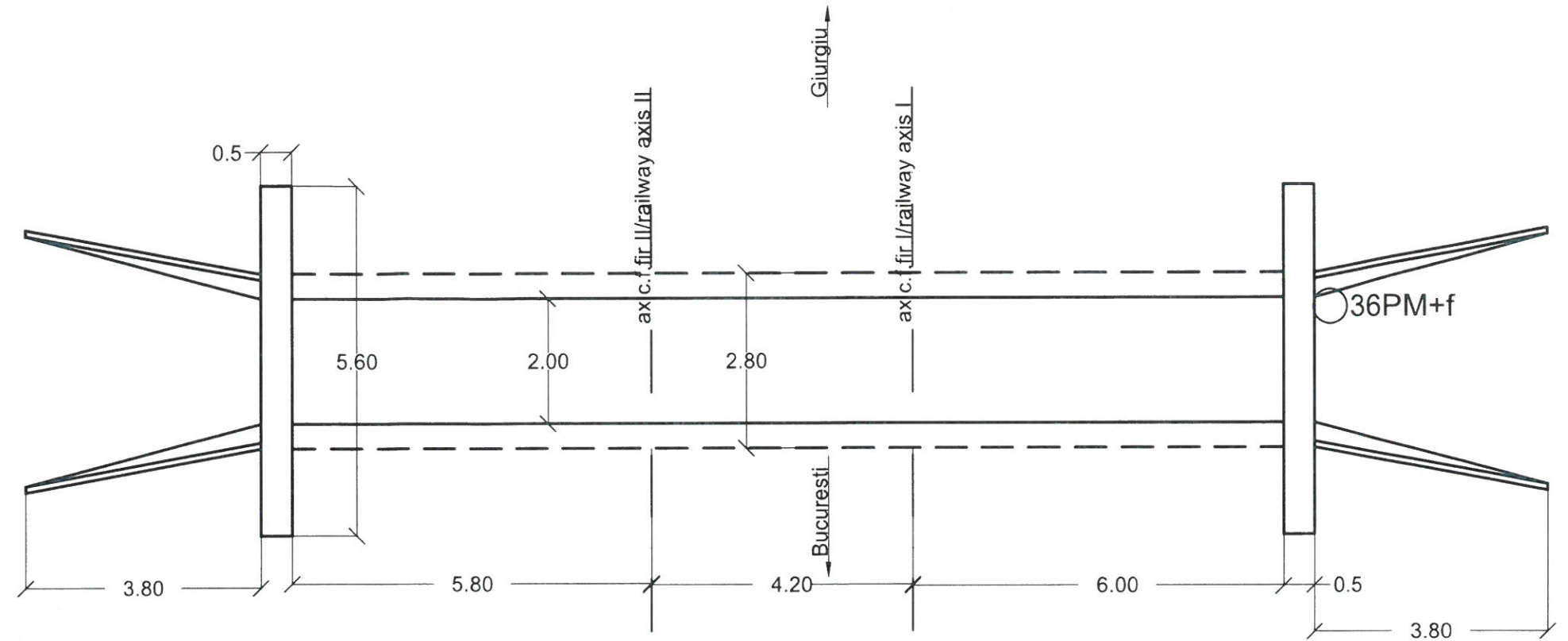


Teren	Distanțe	Cote																																					
		-38.60	-36.60	-34.60	-32.60	-30.60	-28.60	-26.60	-24.60	-22.60	-20.60	-18.60	-16.60	-14.60	-12.60	-10.60	-8.60	-6.60	-5.60	-4.30	-3.00	-2.30	-1.30	0.00	1.88	2.80	4.80	6.80	8.80	10.80	12.80	14.80	16.80	18.80	20.80	21.80	23.80	24.80	
		-3.53	-3.53	-3.53	-3.53	-3.53	-3.53	-3.53	-3.38	-3.38	-3.38	-3.38	-3.38	-3.38	-3.38	-2.18	-1.13	-0.13	0.02	0.02	0.02	-0.18	-0.18	-0.18	-0.18	-0.83	-1.73	-2.63	-3.13	-3.58	-3.88	-3.88	-3.88	-3.88	-3.88	-3.88	-3.88	-3.78	-3.78

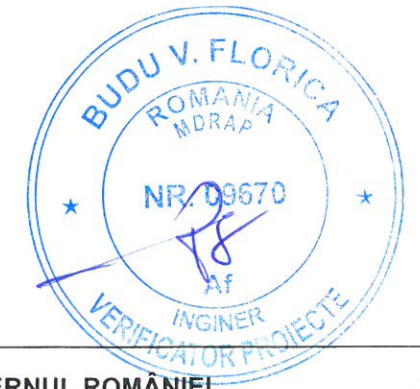
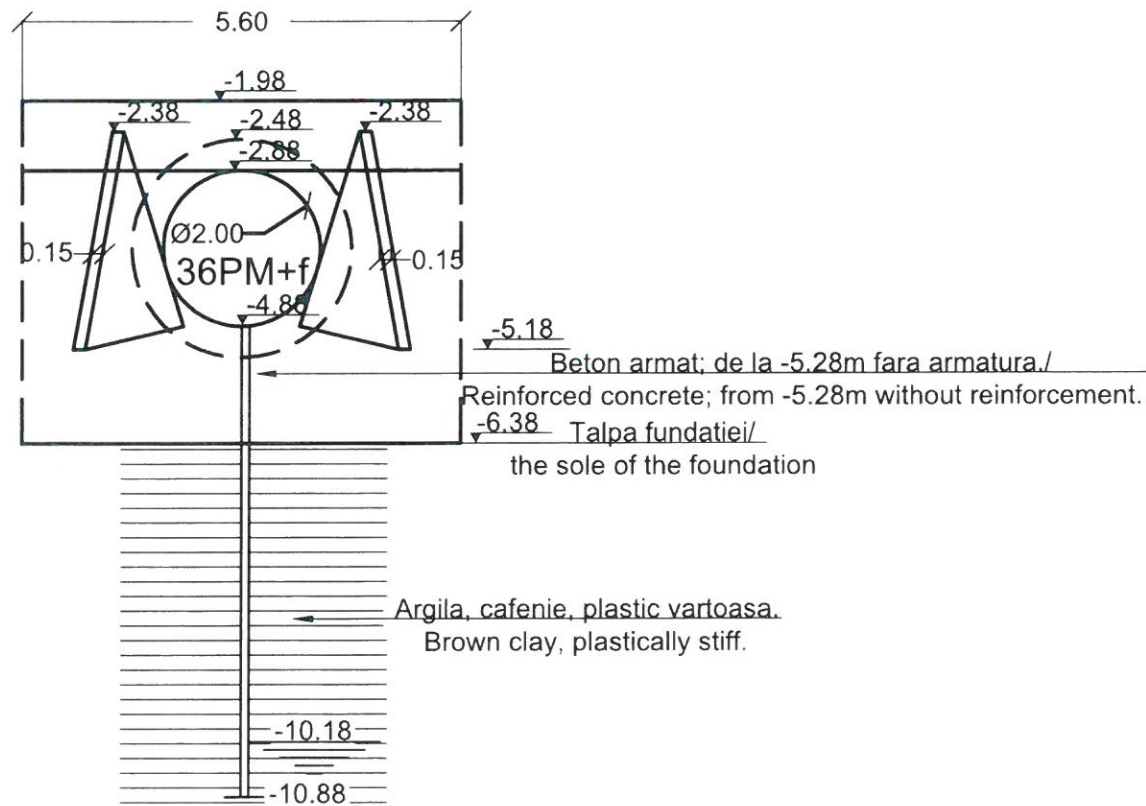


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER:  &		DENUMIRE PROIECT/DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIEREA/JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE/WORKS TITLE:	
PROIECTANT/DESIGNER: <b>Geostud</b>		SPECIALITATE/SPECIALITY:	
EXPERT CHEIE/KEY EXPERT: <b>ing. C. Grosu</b>		DENUMIRE PLAN/DRAWING TITLE:	
MP/PM: <b>ing. M. Baicu</b>		EXEMPLAR NR./EXEMPLARY NO.:	
DATA/DATE: <b>03.2018</b>		SCARA/SCALE: <b>1:100</b>	
		COD PLAN/CODIFICATION SYSTEM:	
		<b>SG 207 Lot 2 33 Pd02 01 00</b>	

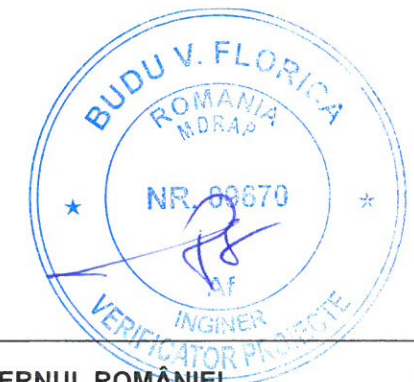
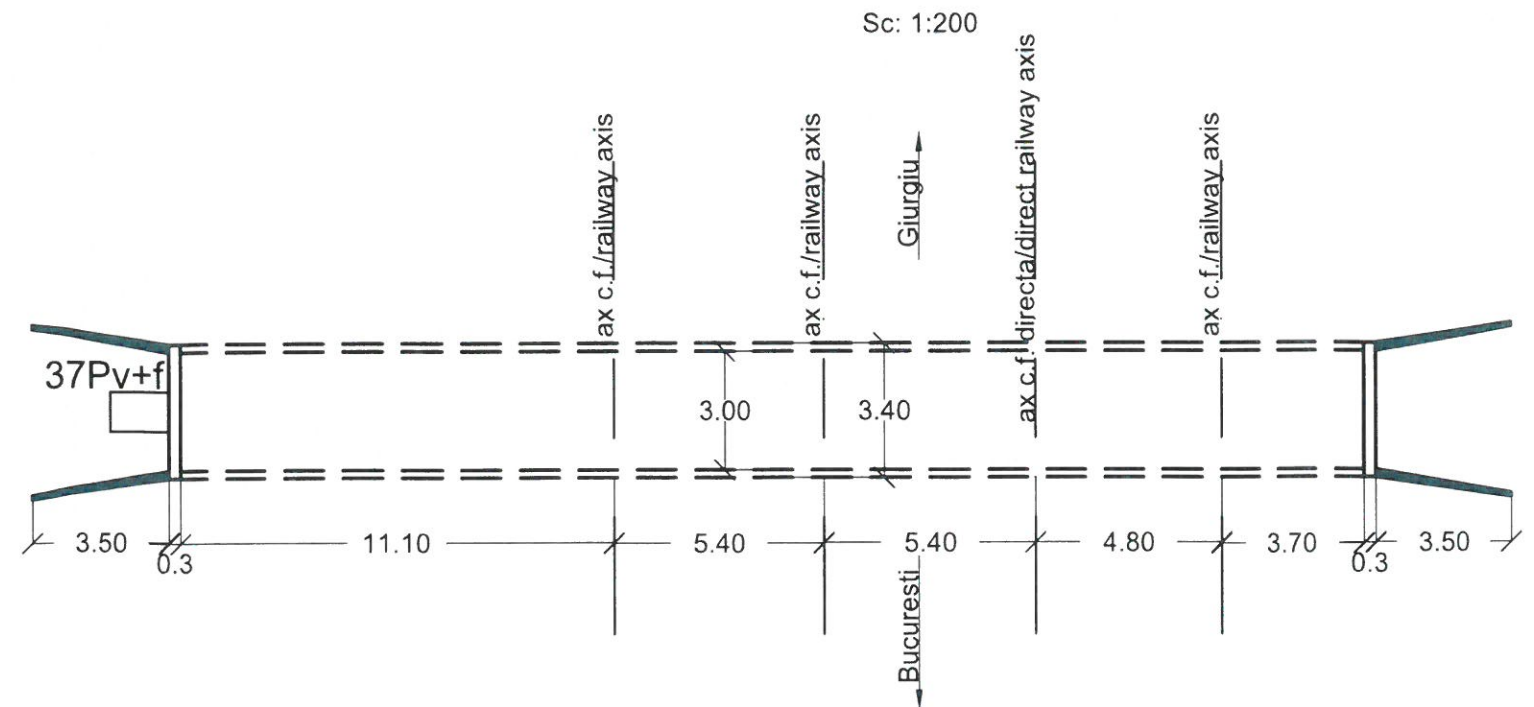
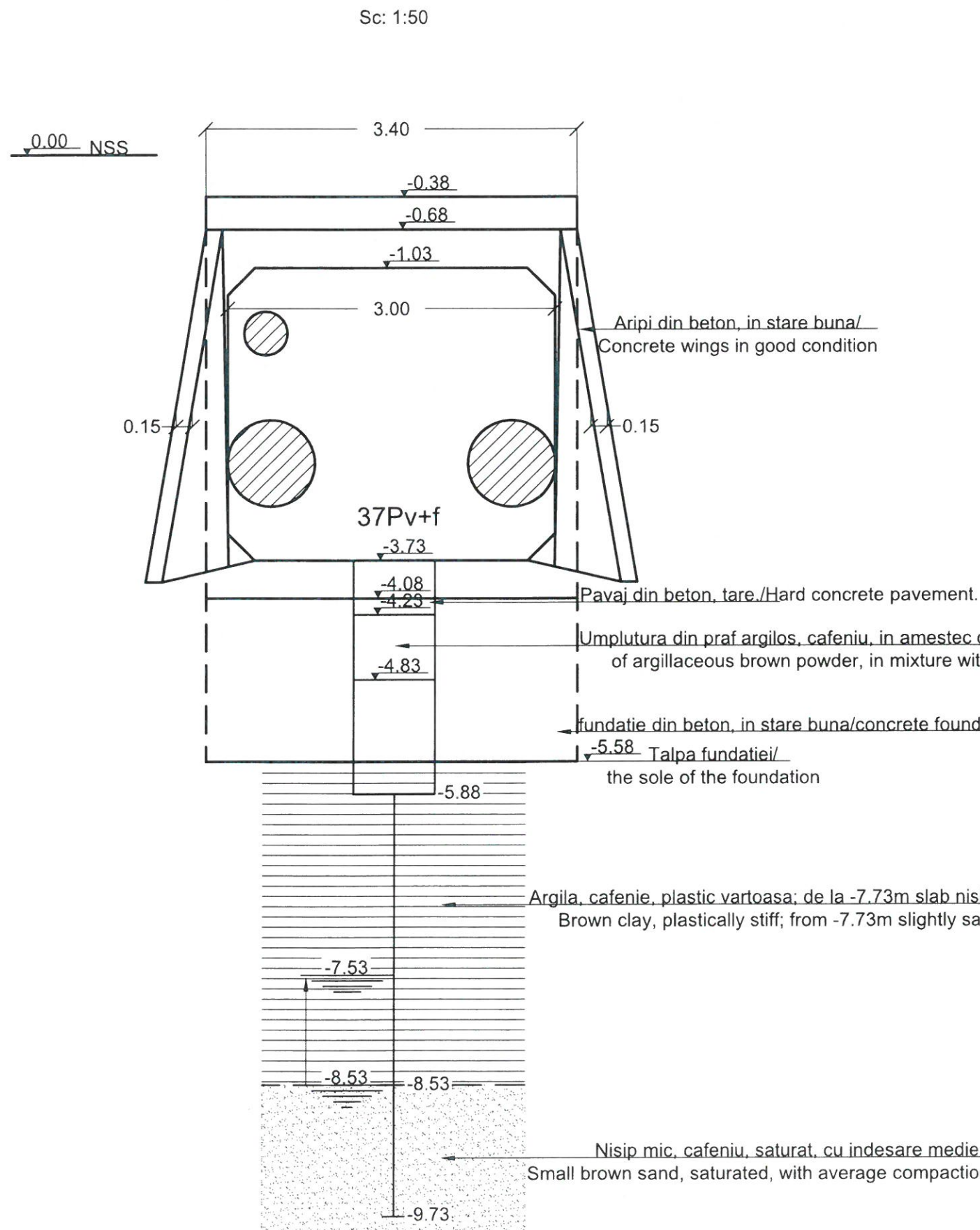
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0.00 NSS Sc: 1:100

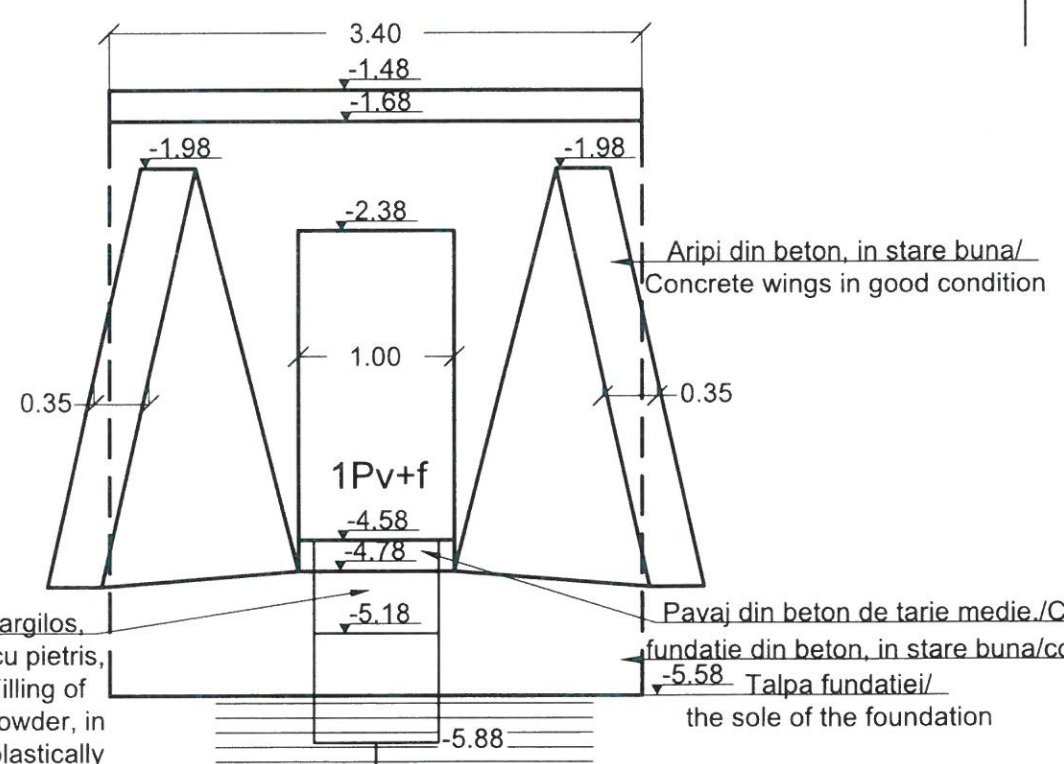
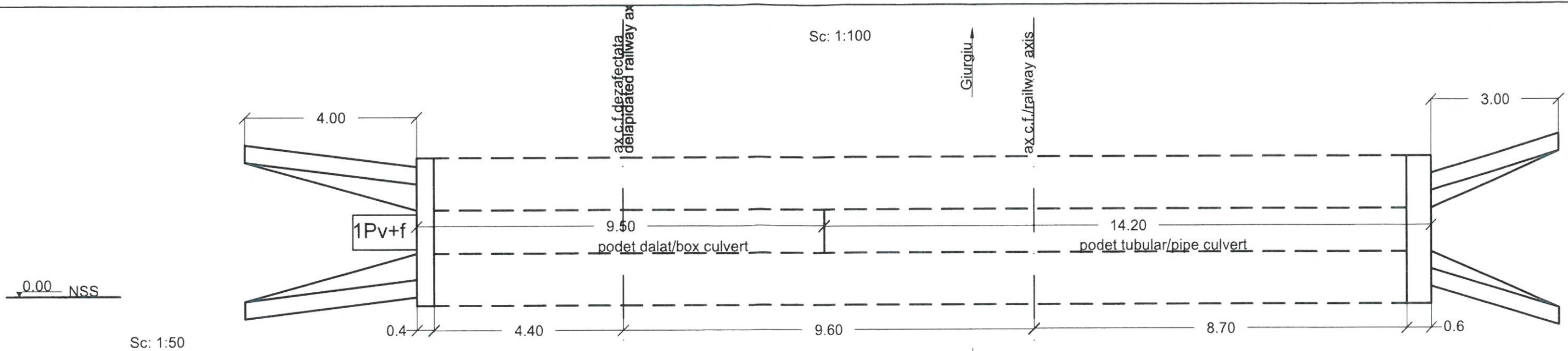


<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	& J40/9877/2001 J40/20534/2004	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/ DESIGNER: EXPERT CHEIE/ KEY EXPERT MP/PM	NUME/NAME ing. Gh. Neata ing. C. Grosu ing. M. Baicu	SEMNATURA/ SIGNATURE 	SPECIALITATE/ SPECIALITY DENUMIRE PLAN/ DRAWING TITLE COD PLAN/ CODIFICATION SYSTEM:
DATA/DATE: <b>03.2018</b>		SCARA/SCALE: <b>1:100</b>	
EXEMPLAR NR./ EXEMPLARY NO.: <b>1</b>		<b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Podet km 66+062</b> <b>Vedere in plan si releveu podet sondaj 36PM+f km 66+062</b> <b>SG 207 Lot 2 33 Pd03 01 00</b>	



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR BENEFICIARY:</b> COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY			
<b>PROIECTANT/ DESIGNER:</b> & <b>acciona</b> Ingineria <b>ASOCIEREA/ JOINT VENTURE:</b> J40/9877/2001 & J40/20534/2004 <b>SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR:</b> J/40/12943/1994		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" <b>Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA</b> "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" <b>Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS</b>	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata <b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu <b>MP/PM:</b> ing. M. Baicu		<b>PROIECT TITLE/ WORKS TITLE:</b> STUDIU GEOTEHNIC Pod, pasaj si podete - Podet km 66+320 <b>Vedere in plan si releveu podet sondaj 37Pv+f km 66+320</b>	
<b>DATA/DATE:</b> 03.2018		<b>SCARA/SCALE:</b> 1:50/1:200	
<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>COD PLAN/ CODIFICATION SYSTEM:</b> SG 207 Lot 2 33 Pd04 01 00	





Umplutura din praf argilos, cafeniu, in amestec cu pietris, plastic consistent./Filling of argillaceous brown powder, in mixture with gravel, plastically consistent.

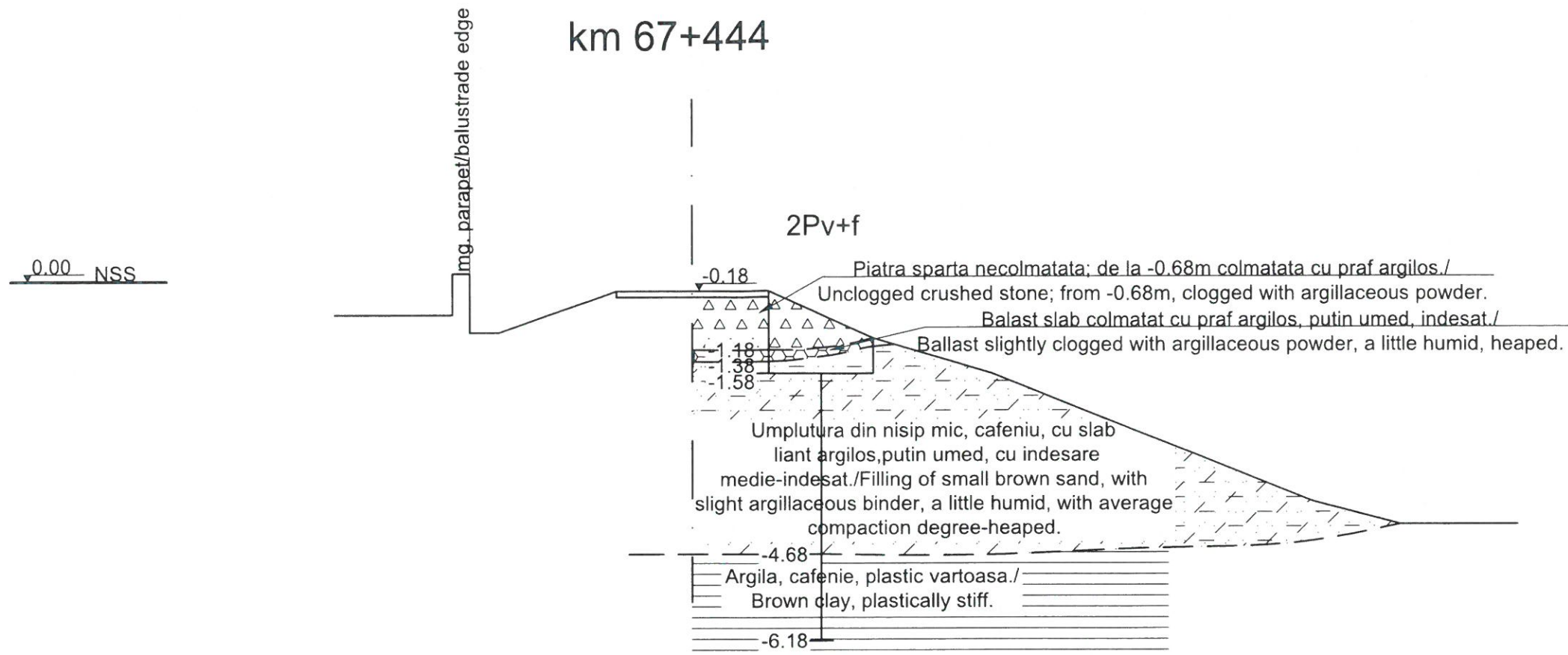
Aripi din beton, in stare buna/Concrete wings in good condition

Pavaj din beton de tarie medie./Concrete pavement of medium hardness  
 fundatie din beton, in stare buna/concrete foundation, in good condition  
 Talpa fundatiei/ the sole of the foundation

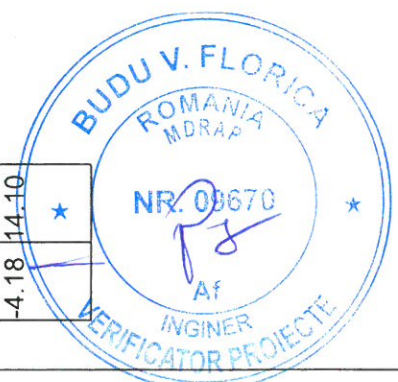
Argila, cafenie, plastic vartoasa./Brown clay, plastically stiff.



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER: ASOCIEREA/JOINT VENTURE: SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994	<b>B &amp; acciona</b> Ingineria	DENUMIRE PROIECT/DENUMIRE LUCRARE: PROJECT TITLE/WORKS TITLE:	"MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS
PROIECTANT/DESIGNER: ing. Gh. Neata	SEMNATURA/SIGNATURE:	SPECIALITATE/SPECIALITY:	<b>STUDIU GEOTEHNIC</b> Pod, pasaj si podete - Podet km 64+939
EXPERT CHEIE/KEY EXPERT: ing. C. Grosu	SEMNATURA/SIGNATURE:	DENUMIRE PLAN/DRAWING TITLE:	<b>Vedere in plan si releveu podet sondaj 1Pv+f km 64+939</b>
MP/PM: ing. M. Baicu	SEMNATURA/SIGNATURE:	EXEMPLAR NR./EXEMPLARY NO.: 1	COD PLAN/CODIFICATION SYSTEM: SG 207 Lot 2 35 Pd01 01 00
DATA/DATE: 03.2018	SCARA/SCALE: 1:50/1:100		



Teren	Distanțe	Cote																							
		-0.58	-0.58	-0.12	-0.12	-0.88	-0.88	-3.30	-1.30	-0.18	0.00	-0.18	1.30	-0.98	3.10	-1.58	5.10	-2.38	7.10	-3.18	9.10	-3.78	10.60	-4.18	12.10



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
<b>BENEFICIAR BENEFICIARY:</b> COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY		<b>INSTRUMENTE STRUCTURALE 2014-2020</b>	
<b>PROIECTANT/ DESIGNER:</b> BALCONS & acciona Ingineria <b>ASOCIEREA/ JOINT VENTURE:</b> J40/9877/2001 & J40/20534/2004 <b>SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR:</b> J/40/12943/1994		<b>DENUMIRE PROIECT/ DENUMIRE LUCRARE:</b> "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" <b>Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCUREȘTI NORD -GIURGIU NORD - GIURGIU NORD FRONTIERA</b> <b>"MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER"</b> <b>Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS</b>	
<b>PROIECTANT/ DESIGNER:</b> ing. Gh. Neata <b>EXPERT CHEIE/ KEY EXPERT:</b> ing. C. Grosu <b>MP/PM:</b> ing. M. Baicu		<b>PROIECT TITLU/ WORKS TITLE:</b> STUDIU GEOTEHNIC <b>Pod, pasaj si podete - Podet km 67+444</b> <b>Profil geolitic transversal km 67+444</b>	
<b>DATA/DATE:</b> 03.2018		<b>SCARA/SCALE:</b> 1:100	
<b>EXEMPLAR NR./ EXEMPLARY NO.:</b> 1		<b>COD PLAN/ CODIFICATION SYSTEM:</b> SG 207 Lot 2 35 Pd02 01 00	

km 65+621

ax c.f. fir

Umplutura, negricioasa, formata din praf argilos, pietris, blocuri de beton, resturi menajere, material antropoc; de la -6.10m umplutura formata din amestec de praf argilos, pietris, material antropoc, cafeniu negricioasa (la inceput) apoi cafeniu/Black filling consisting of argillaceous powder, gravel, concrete blocks, domestic wastes, anthropic material; from -6.10m filling consisting of mixture of argillaceous powder, gravel, anthropic material, brown black (at the beginning), then brown.

Umplutura constituita din pietris cu argila, praf, material antropoc/Filling consisting of gravel with clay, powder, anthropic material

FP501

Pd501

Soclu din ciment in stare buna./Cement base in good condition.

Fundatie din ciment in stare buna./Cement foundation in good condition.

Praf argilos (argila prafoasa), cafeniu, cu concretiuni calcaroase, plastic consistent./ Argillaceous powder (powdery clay), brown, with calcareous concretions, plastically consistent.

Argila prafoasa, cafeniu-inchisa la cafeniu, cu concretiuni calcaroase, plastic vartoasa./ Powdery dark brown to brown clay, with calcareous concretions, plastically stiff.

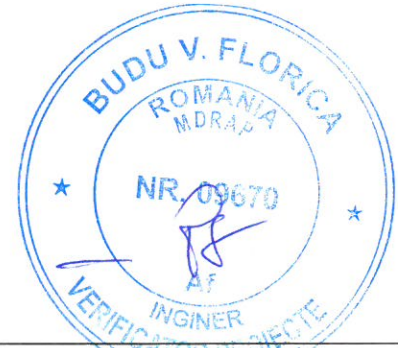
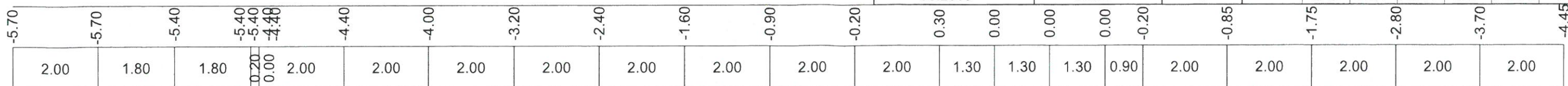
Praf argilos, cafeniu, plastic consistent-plastic vartos; de la -8.10m, praf slab argilos-nisipos, plastic consistent plastic vartos; de la -8.70m praf argilos slab nisipos, cafeniu, plastic vartos./Argillaceous brown powder, plastically consistent-plastically stiff; from -8.10m, slightly argillaceous-sandy powder, plastically consistent-plastically stiff; from -8.70m, slightly sandy brown argillaceous powder, plastically stiff.

Nisip cu slab liant prafos, cafeniu-deschis, uscat, indesat./ Sand with slightly powdery binder, light brown, dry, heaped.

Nisip fin, cafeniu-deschis, cu slab liant prafos, putin umed, cu indesare medie; de la -13.50m cafeniu, saturat, cu indesare medie; de la -13.70m afanat; de la -16.60m in amestec cu rar pietris./Smooth light brown sand, with slightly powdery binder, a little humid, with average compaction degree; from -13.50m brown, saturated, with average compaction degree; from -13.70m, loose; from -13.50m in mixture with rare gravel.

Pietris cu nisip, cafeniu, cu slab liant prafos, saturat, cu indesare medie/Brown gravel with sand, with slightly powdery binder, saturated, with average compaction degree.

Nisip cu rar pietris si slab liant prafos, cafeniu, putin umed, cu indesare medie./ Sand with rare gravel and slightly powdery binder, brown, a little humid, with average compaction degree.



<b>PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ</b> EUROPEAN UNION FINANCED PROJECT		<b>GUVERNUL ROMÂNIEI</b> GOVERNMENT OF ROMANIA	
BENEFICIAR/BENEFICIARY:		<b>COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A.</b> ROMANIAN RAILWAY NATIONAL COMPANY	
PROIECTANT/DESIGNER:		DENUMIRE PROIECT/DENUMIRE LUCRARE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU NORD FRONTIERA "MODERNIZATION OF THE RAILWAY BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" Lot 2 - MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BETWEEN BUCHAREST NORTH - GIURGIU NORTH - GIURGIU NORTH BORDER STATIONS	
ASOCIAREA/JOINT VENTURE: J40/9877/2001 & J40/20534/2004 SUBCONTRACTANT/ GEO - SERV SRL SUBCONTRACTOR: J/40/12943/1994		PROJECT TITLE/WORKS TITLE:	
PROIECTANT/DESIGNER: Geostud		SPECIALITATE/SPECIALITY: <b>STUDIU GEOTEHNIC</b> <b>Pod, pasaj si podete - Pasaj km 65+621</b>	
EXPERT CHEIE/KEY EXPERT: ing. C. Grosu		DENUMIRE PLAN/DRAWING TITLE: <b>Profil geolitic sondaje Pd 501 si FP 501 km 65+621</b>	
MP/PM: ing. M. Baicu		COD PLAN/CODIFICATION SYSTEM: <b>SG 207 Lot 2 35 Ps01 01 00</b>	
DATA/DATE: 03.2018		SCARA/SCALE: 1:100	
EXEMPLAR NR./EXEMPLARY NO.: 1		COD PLAN/CODIFICATION SYSTEM: <b>SG 207 Lot 2 35 Ps01 01 00</b>	