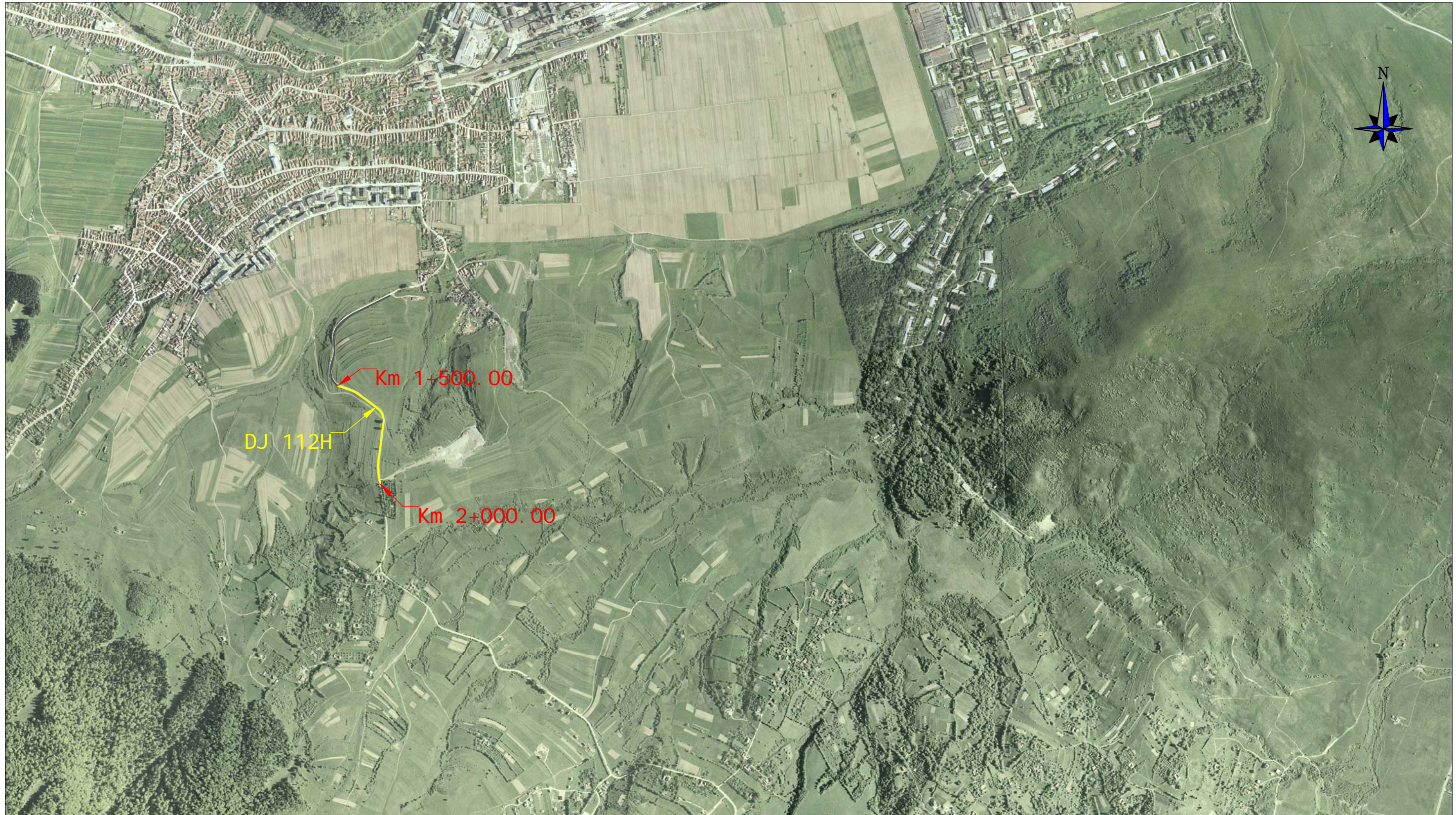




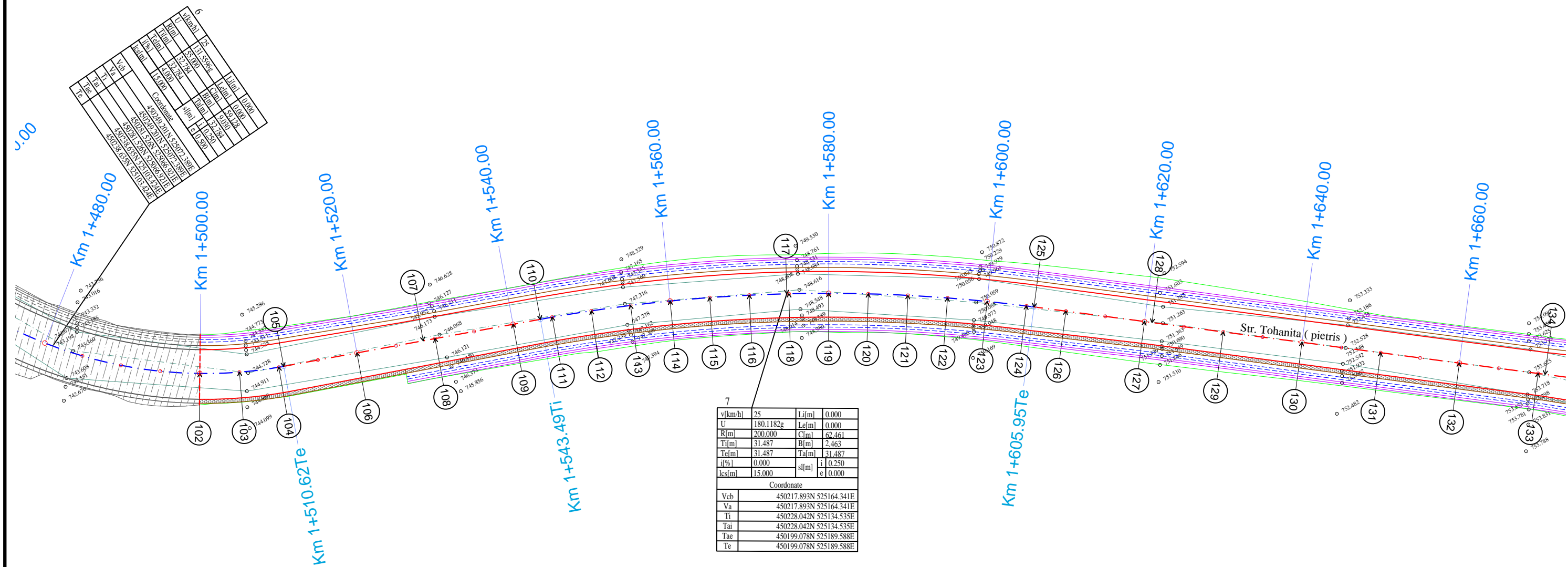
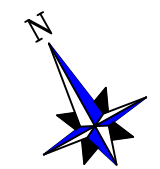


PLAN DE AMPLASARE IN ZONA
SCARA : 1:15000



Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
	S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892			Beneficiar:	Proiect nr.
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov	
Proiectat	Ing. Hoisan Adrian		1:15000	Faza: P.T.-Rev.1	
Desenat	Ing. Hoisan Adrian		Data:	Titlu planșă: PLAN DE AMPLASARE IN ZONA DJ 112H - Km 1+500.00 - Km 2+000.00	
Șef Proiect	Ing. Miron Adrian		07/2018	Planșa nr. PA 1	


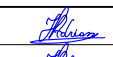


PLAN DE SITUATIE
DJ 112H Km 1+500.000 - Km 1+670.000
SCARA : 1:500



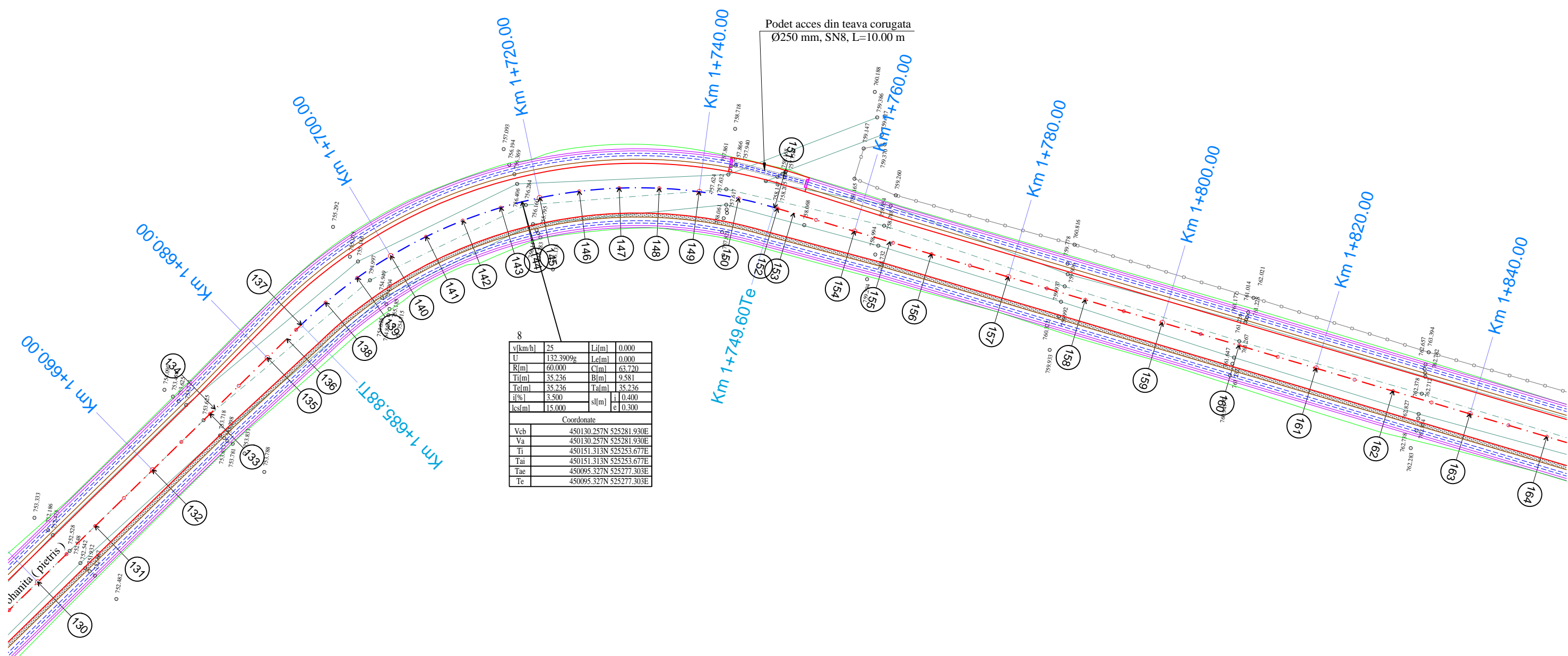
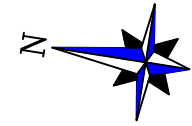
6	
U	131.5596g
R	35.500
Ti	22.294
Te	22.294
lcs	15.000
Coordonate	
Vcb	450219.201N 525107.399E
Va	450219.201N 525107.399E
Ti	450230.528N 525106.921E
Tal	450230.528N 525106.921E
Tac	450200.658N 525107.224E
Te	450200.658N 525107.224E

Legenda

- Anexe existente
- Porti acces proprietate
- Ax Drum proiectat
- Margine parte carosabila
- Limita de proprietate
- Conducte existente
- Acostament proiectat
- Margine drum existent
- Albie apa existenta
- Fund sant proiectat
- Ax drum existent
- Limita asphalt existent
- Bancheta sant proiectat
- Beton existent
- Podete existente
- Taluz drum proiectat
- Sant existent
- Gard viu existent

Verificator				Referat / Expertiză Nr. / Data
Verificator/Expert	Nume	Semnătura	Cerința	
 S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar: Orasul Zarnesti, jud. Brasov
Proiectat	Ing. Hoisan Adrian		Scara: 1:500	Proiect nr. 144/2017
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Faza: P.T.-Rev.1
Șef Proiect	Ing. Miron Adrian			Planșa nr. PS 1
Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov				
Titlu planșă: PLAN DE SITUATIE Km 1+500.00 - Km 1+670.00				

PLAN DE SITUATIE
DJ 112H Km 1+670.000 - Km 1+840.000
SCARA : 1:500



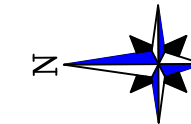
v[km/h]	25	Lij[m]	0,000
U	132.3909g	Lel[m]	0,000
R[m]	60,000	Cl[m]	63,720
Ti[m]	35,236	B[m]	9,581
Tel[m]	35,236	Tal[m]	35,236
f[%]	3,500	i	0,400
ks[m]	15,000	e	0,300
Coordonate			
Vcb	450130.257N 525281.930E		
Va	450130.257N 525281.930E		
Ti	450151.313N 525253.677E		
Tai	450151.313N 525253.677E		
Tae	450095.327N 525277.303E		
Te	450095.327N 525277.303E		

Legenda

- | | | | | | |
|--|-------------------------|--|---------------------------|--|----------------------------|
| | - Anexe existente | | - Porti acces proprietate | | - Ax Drum proiectat |
| | - Limita de proprietate | | - Conducte existente | | - Margine parte carosabila |
| | - Margine drum existent | | - Albie apa existenta | | - Acostament proiectat |
| | - Ax drum existent | | - Limita asfalt existent | | - Fund sant proiectat |
| | - Beton existent | | - Podete existente | | - Bancheta sant proiectat |
| | - Sant existent | | - Gard viu existent | | - Taluz drum proiectat |

Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința	Beneficiar: Orasul Zarnesti, jud. Brasov	
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892			Scara: 1:500	Proiect nr. 144/2017	
Specificație	Nume	Semnătura		Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov	
Proiectat	Ing. Hoisan Adrian			Faza: P.T.-Rev.1	
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Titlu planșă: PLAN DE SITUATIE Km 1+670.00 - Km 1+840.00	
Șef Proiect	Ing. Miron Adrian			Planșa nr. PS2	

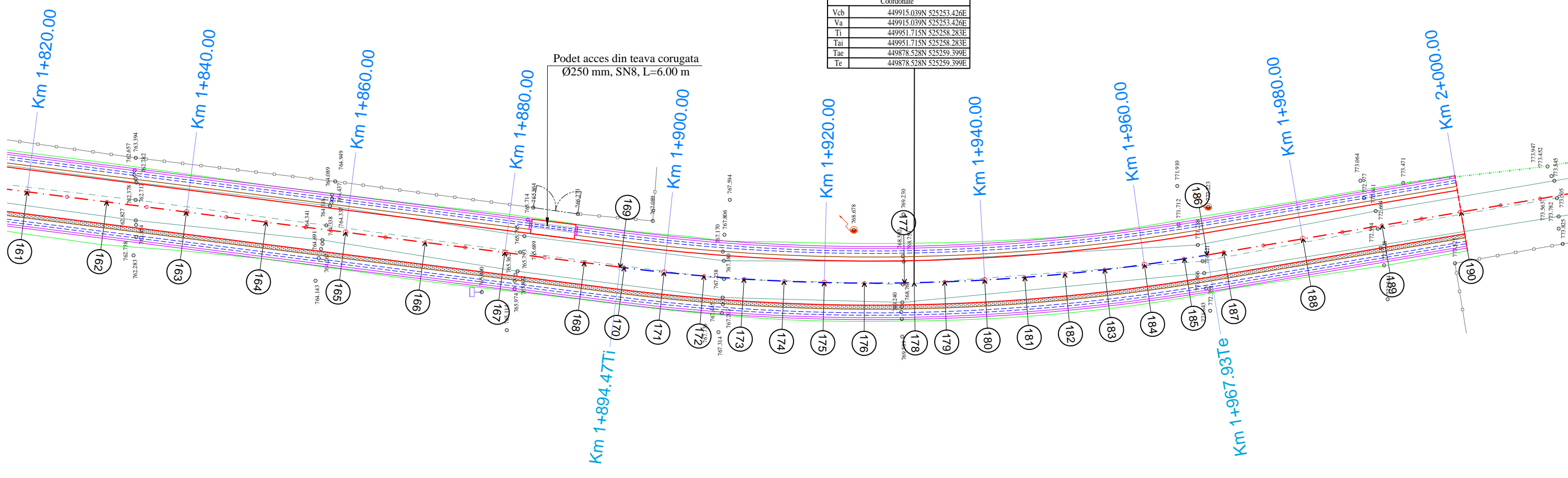
PLAN DE SITUATIE
DJ 112H Km 1+840.000 - Km 2+000.000
SCARA : 1:500



9

v(km/h)	25	Li(m)	0.000
U	181.2937g	Le(m)	0.000
R(m)	250.000	Ci(m)	73.459
Ti(m)	36.996	Bj(m)	2.723
Tel(m)	36.996	Tal(m)	36.996
i(%)	0.000	i	0.000
lcs(m)	0.000	sl(m)	e 0.000

Coordonate	
Vcb	449915.039N 525253.426E
Va	449915.039N 525253.426E
Ti	449951.715N 525258.283E
Tai	449951.715N 525258.283E
Tae	449878.528N 525259.399E
Te	449878.528N 525259.399E

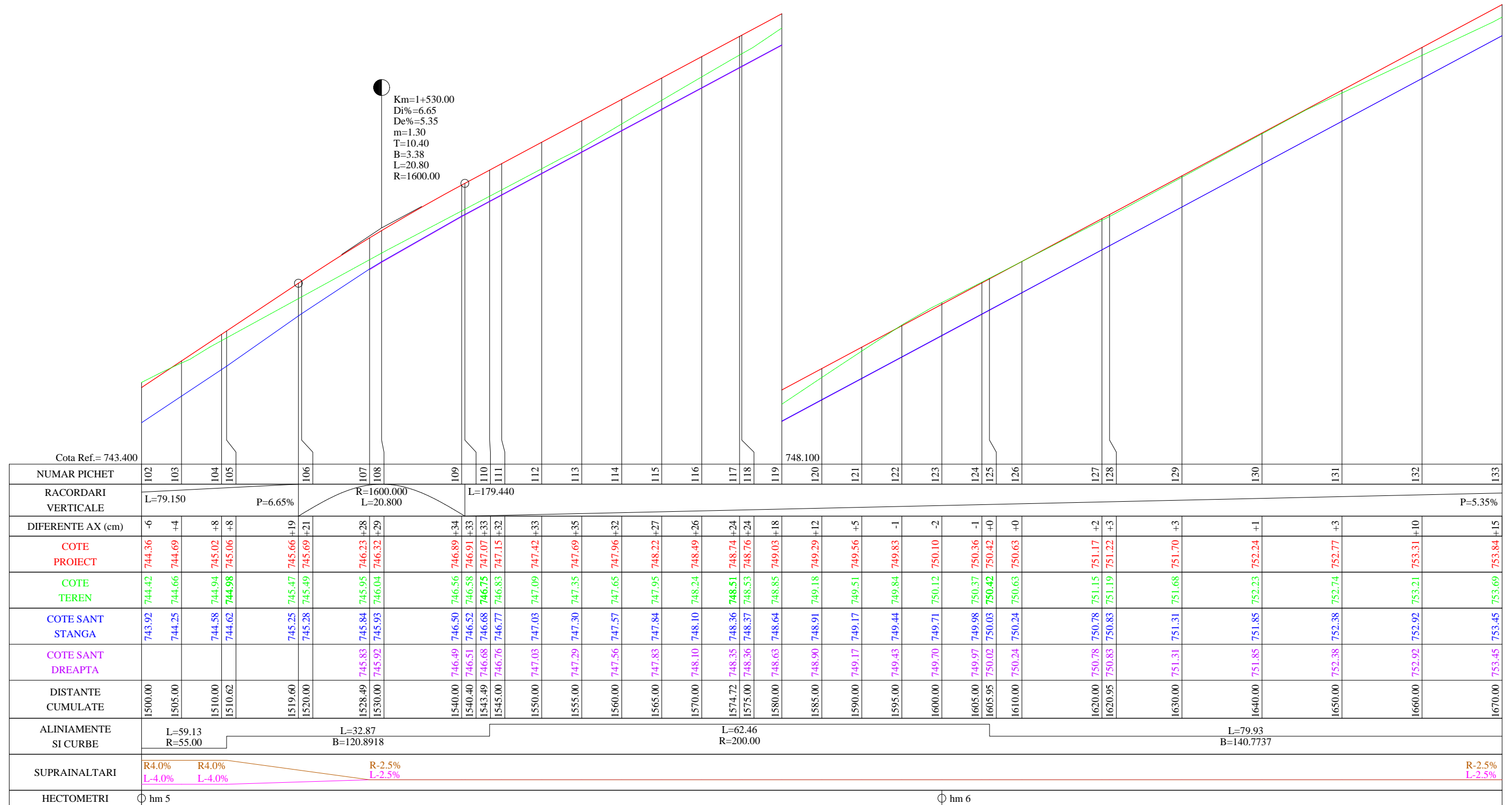


Legenda

- | | | |
|-------------------------|---------------------------|----------------------------|
| - Anexe existente | - Porti acces proprietate | - Ax Drum proiectat |
| - Limita de proprietate | - Conducte existente | - Margine parte carosabila |
| - Margine drum existent | - Albie apa existenta | - Acostament proiectat |
| - Ax drum existent | - Limita asphalt existent | - Fund sant proiectat |
| - Beton existent | - Podete existente | - Bancheta sant proiectat |
| - Sant existent | - Gard viu existent | - Taluz drum proiectat |

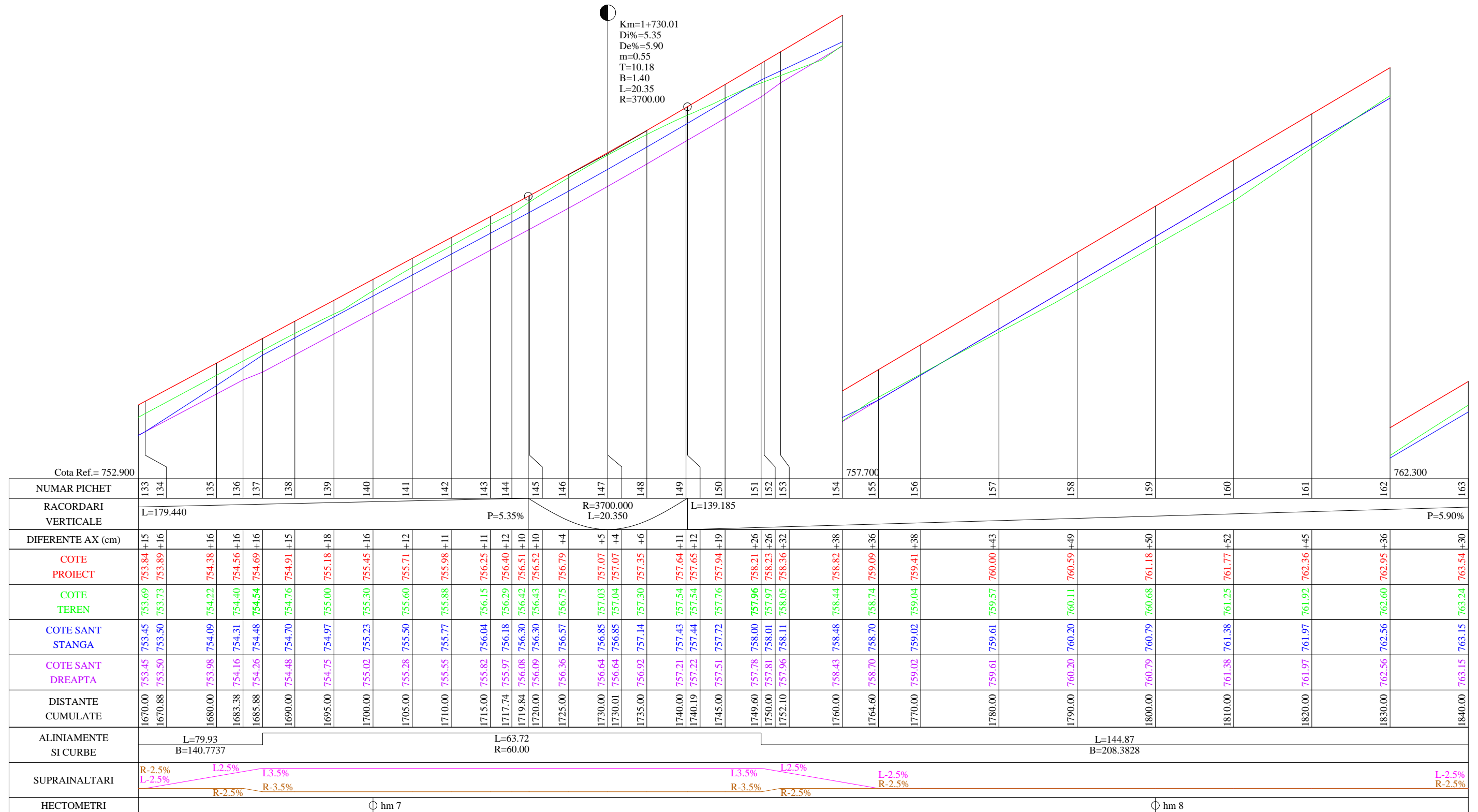
Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința	Beneficiar: Orasul Zarnesti, jud. Brasov	
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892			Scara: 1:500	Proiect nr. 144/2017	
Specificație	Nume	Semnătura		Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov	
Proiectat	Ing. Hoisan Adrian			Faza: P.T.-Rev.1	
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Titlu planșă: PLAN DE SITUATIE Km 1+840.00 - Km 2+000.00	
Șef Proiect	Ing. Miron Adrian			Planșa nr. PS3	

PROFIL LONGITUDINAL
DJ 112H Km 1+500.000 - Km 1+670.000
SCARA : HORIZONTAL 1:500 VERTICAL 1:50



Verificator				Referat / Expertiză Nr. / Data		
Verificator/Expert	Nume	Semnătura	Cerința			
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Proiect nr.	
				Orasul Zarnesti, jud. Brasov		144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov		
Proiectat	Ing. Hoisan Adrian		1:500/50			
Desenat	Ing. Hoisan Adrian		Data:	Titlu planșă: PROFIL LONGITUDINAL Km 1+500.00 - Km 1+670.00		
Șef Proiect	Ing. Miron Adrian		07/2018			
				Planșa nr. PL1		

PROFIL LONGITUDINAL
 DJ 112H Km 1+670.000 - Km 1+840.000
 SCARA : HORIZONTAL 1:500 VERTICAL 1:50

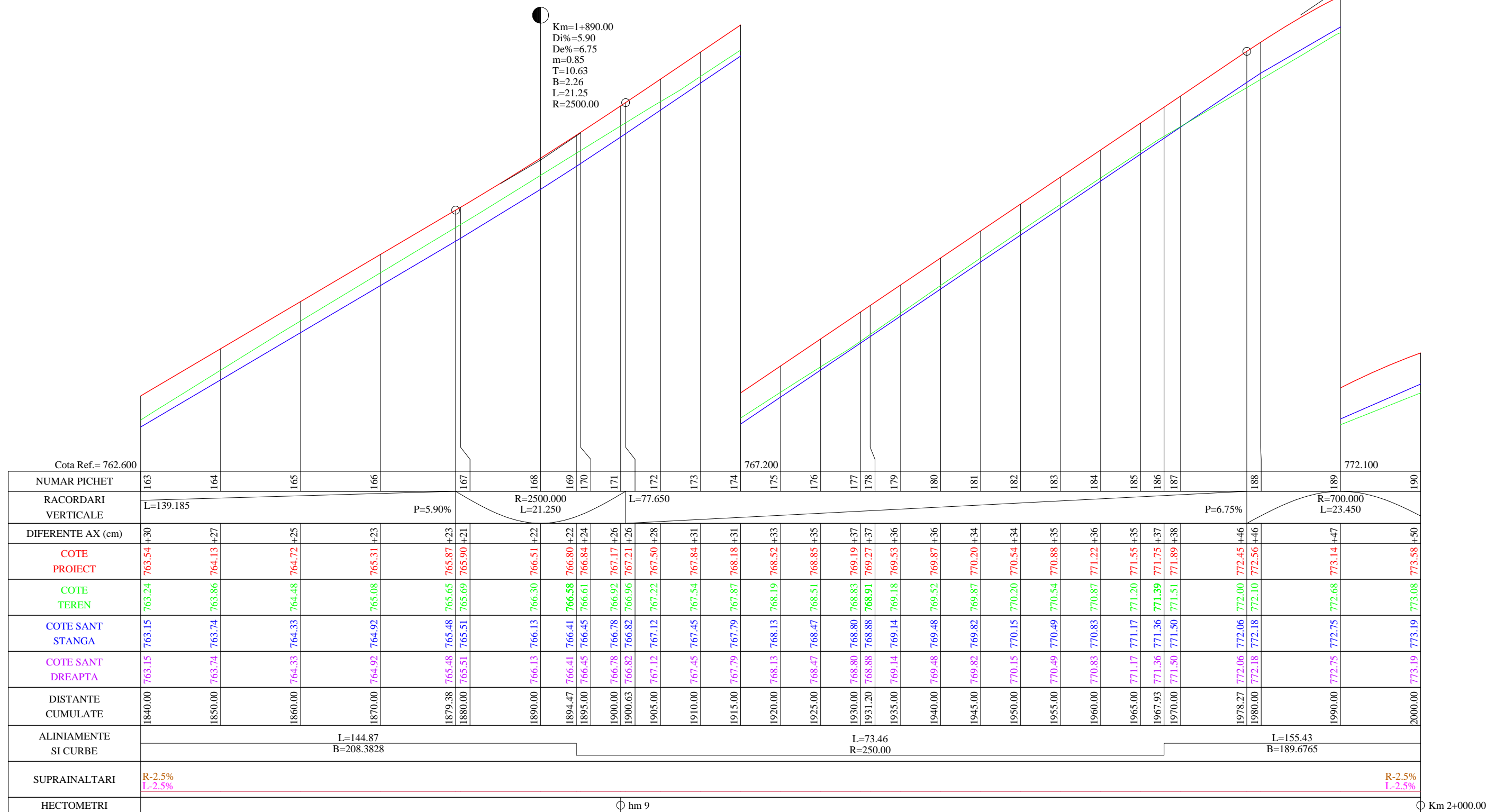


Verificator				Referat / Expertiză Nr. / Data				
Verificator/Expert	Nume	Semnătura	Cerința					
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Orasul Zarnesti, jud. Brasov		Proiect nr.	144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov			Faza:	P.T.-Rev.1
Proiectat	Ing. Hoisan Adrian		1:500/50					
Desenat	Ing. Hoisan Adrian		Data:	Titlu planșă: PROFIL LONGITUDINAL Km 1+670.00 - Km 1+840.00			Planșa nr.	PL2
Șef Proiect	Ing. Miron Adrian		07/2018					

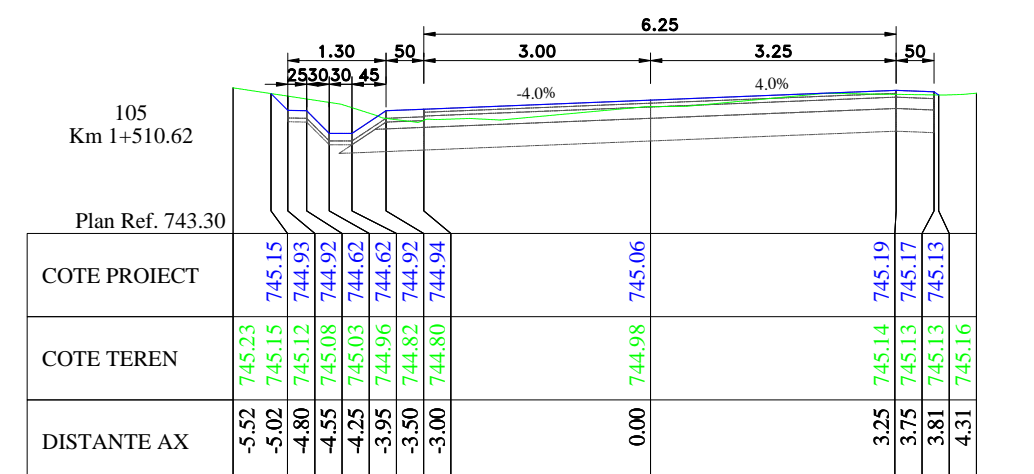
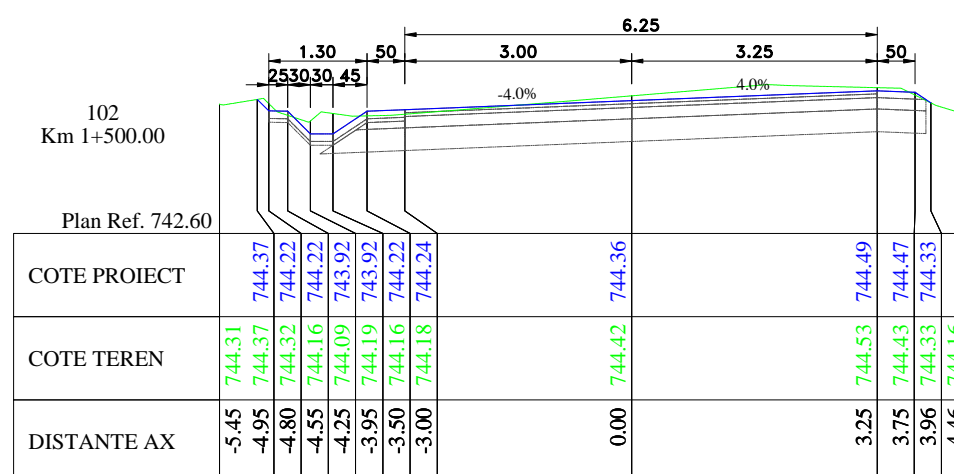
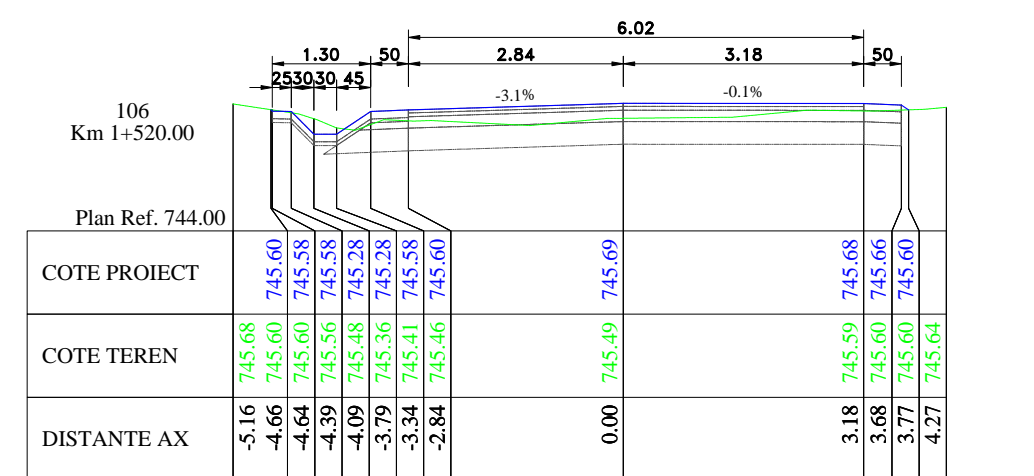
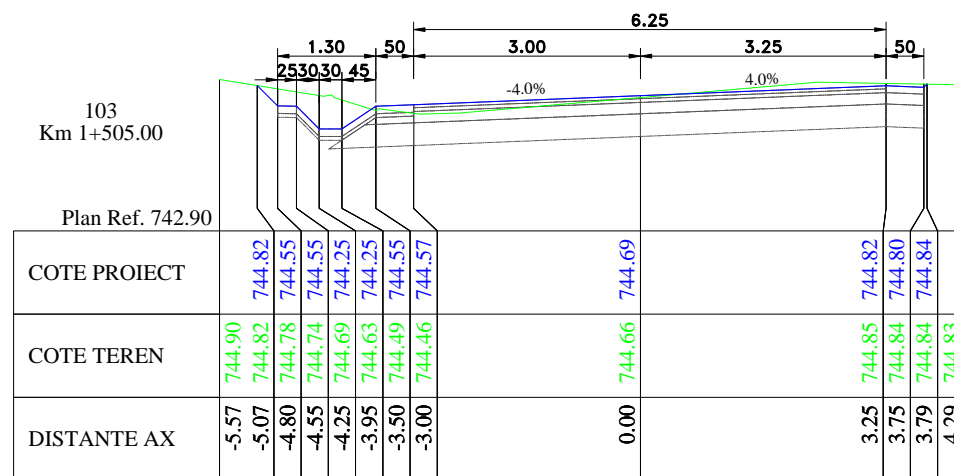
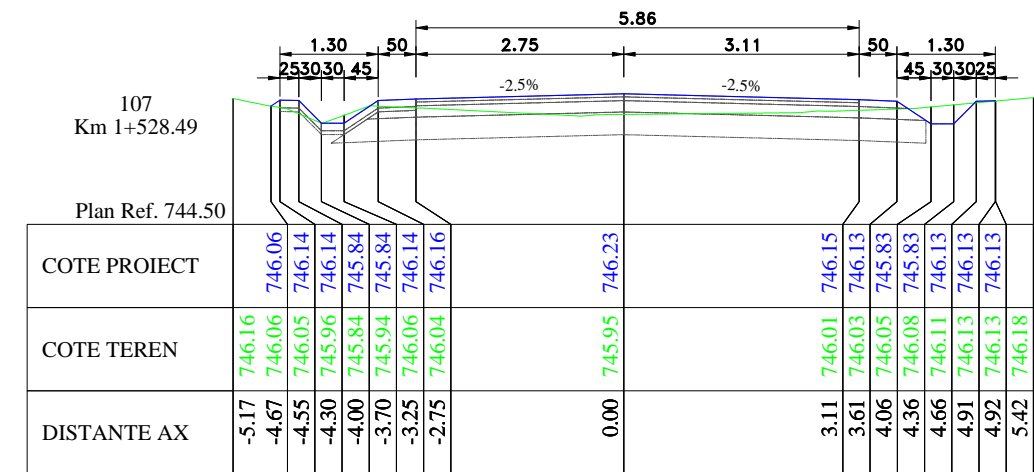
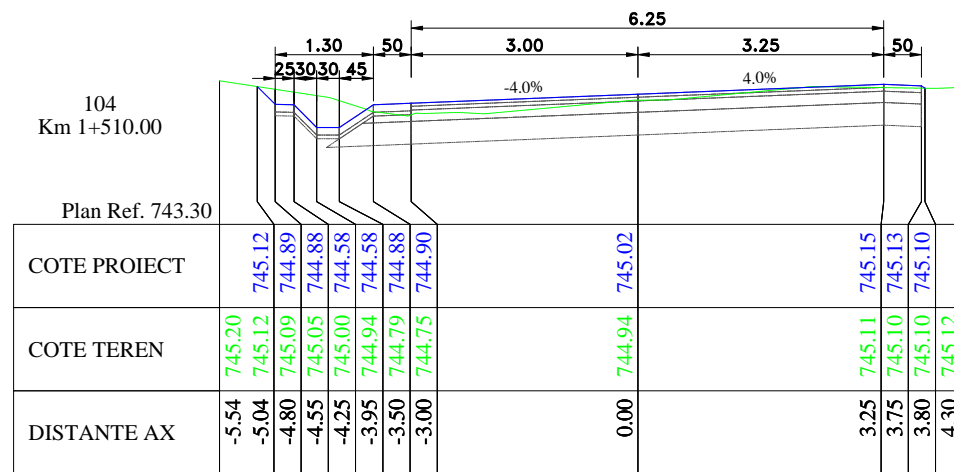
PROFIL LONGITUDINAL
DJ 112H Km 1+840.000 - Km 2+000.000
SCARA : HORIZONTAL 1:500 VERTICAL 1:50

Km=1+990.00
Di%=6.75
De%=3.40
m=3.35
T=11.73
B=9.82
L=23.45
R=700.00

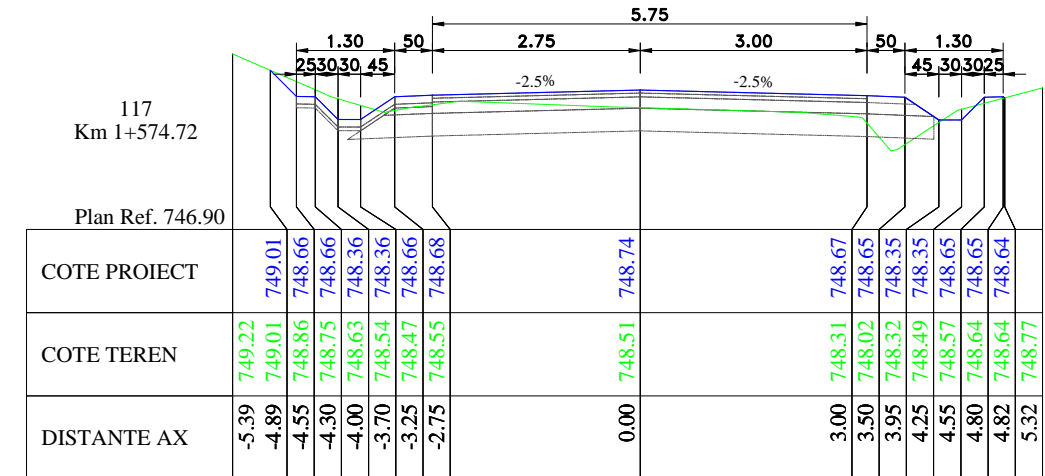
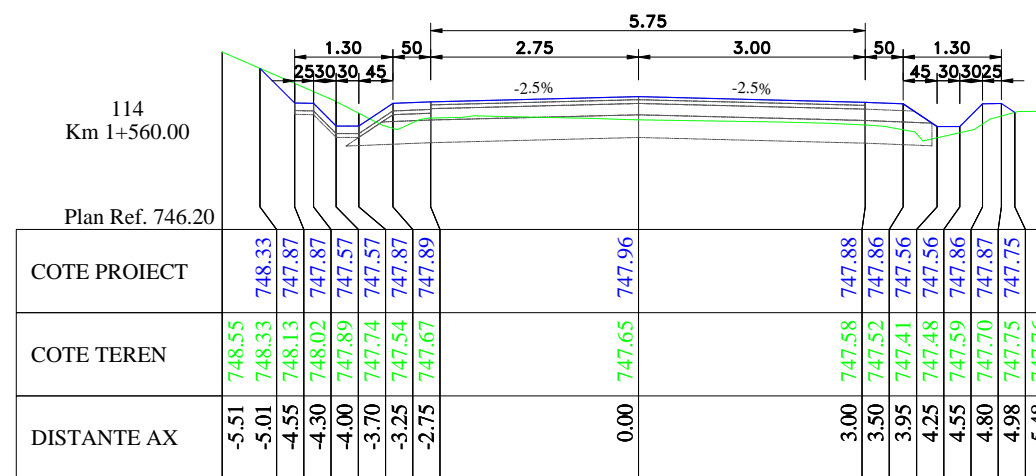
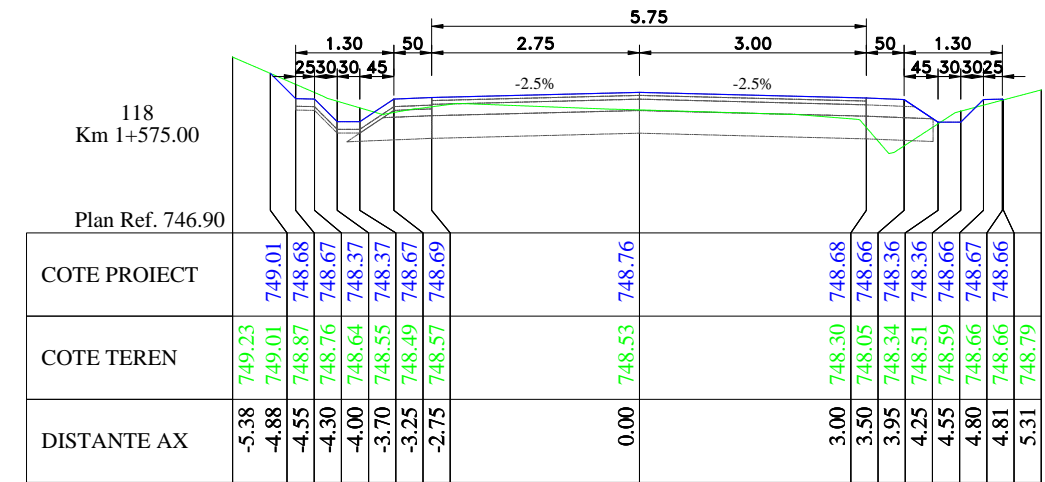
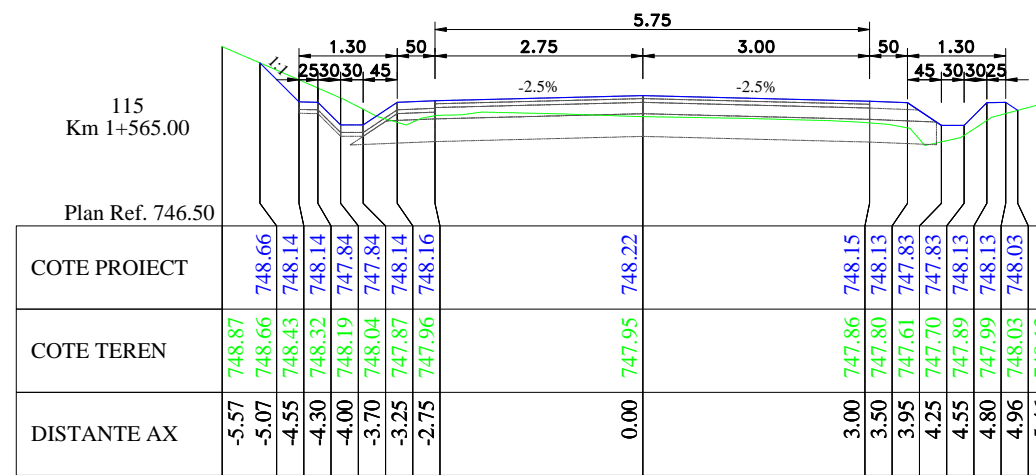
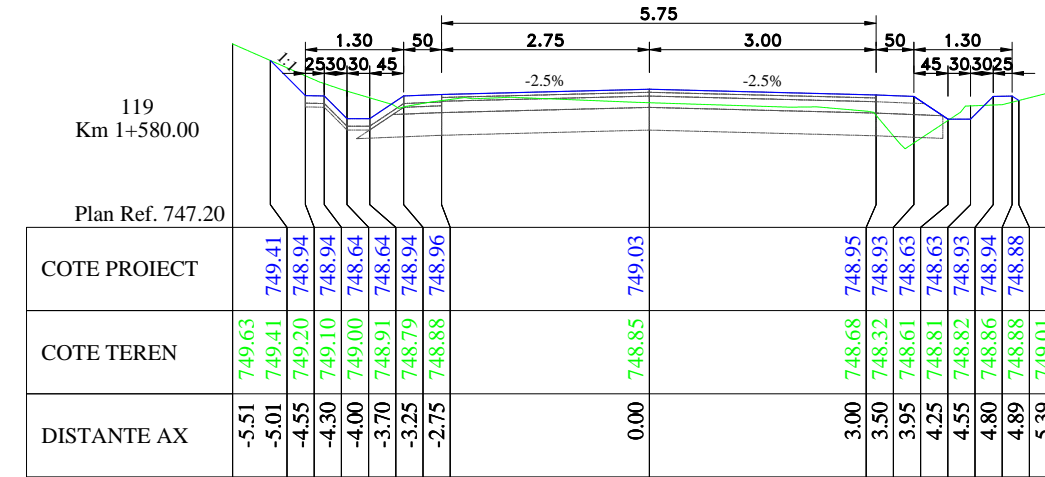
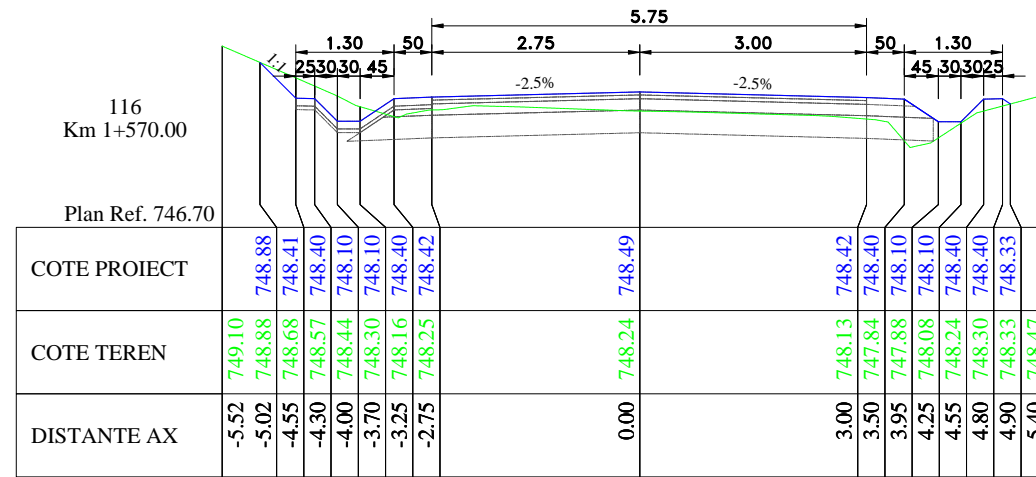
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De%=6.75
m=0.85
T=10.63
B=2.26
L=21.25
R=2500.00



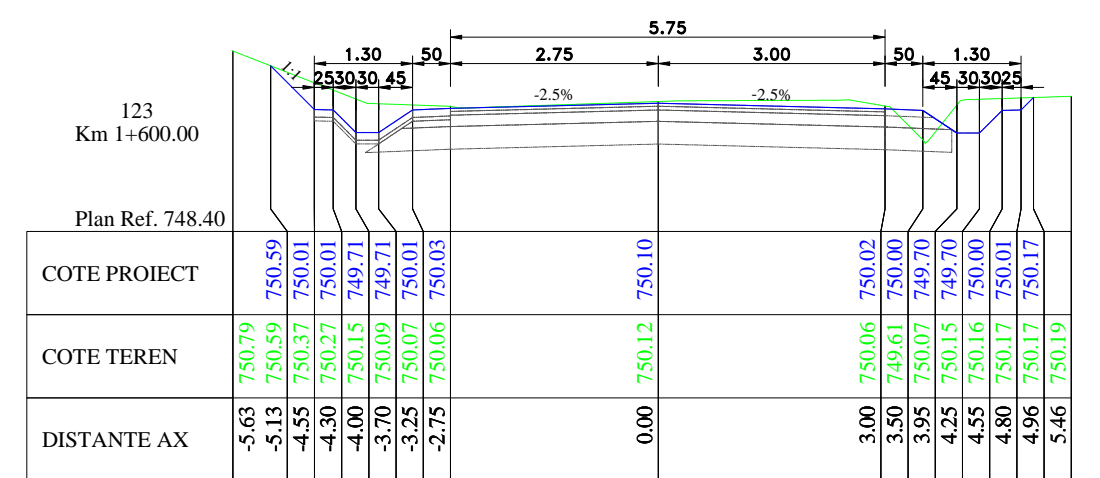
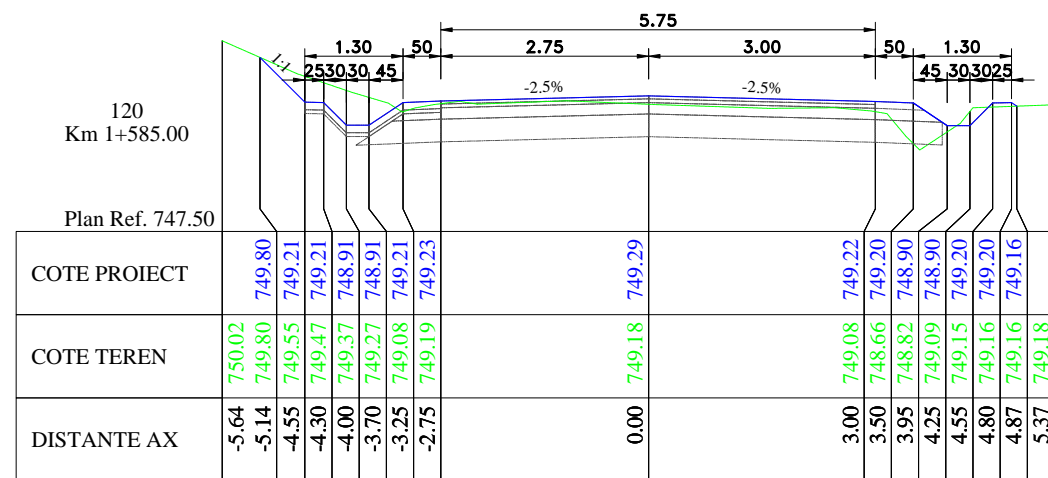
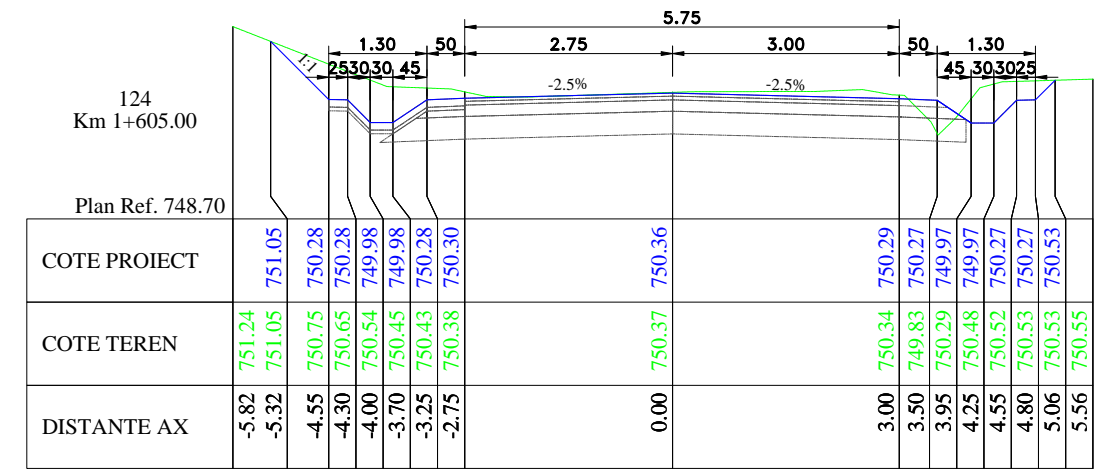
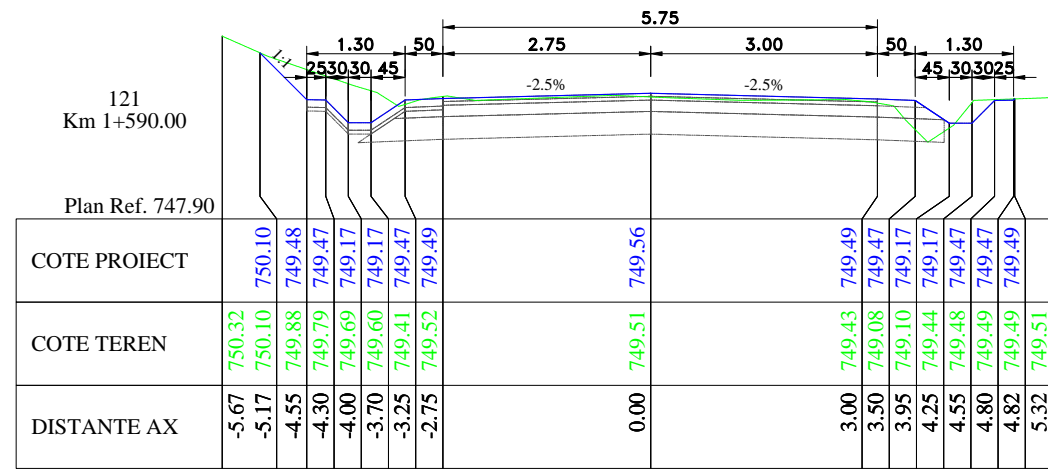
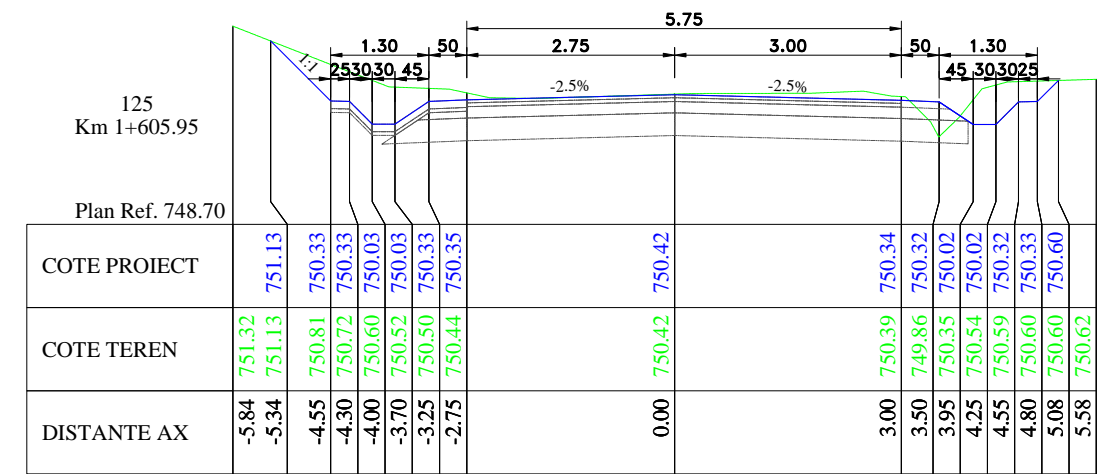
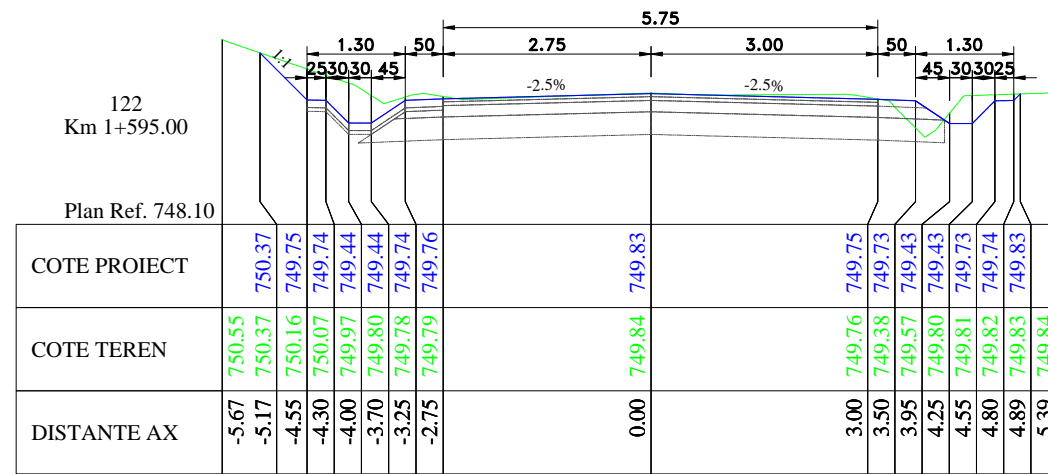
Verificator				
Verificator/Expert	Nume	Semnatura	Cerinta	Referat / Expertiza Nr. / Data
	S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892			Beneficiar: Orasul Zarnesti, jud. Brasov
Proiectat	Ing. Hoisan Adrian		Scara: 1:500/50	Proiect nr. 144/2017
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Faza: P.T.-Rev.1
Şef Proiect	Ing. Miron Adrian			Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov
				Titlu planşa: PROFIL LONGITUDINAL Km 1+840.00 - Km 2+000.00
				Planşa nr. PL3



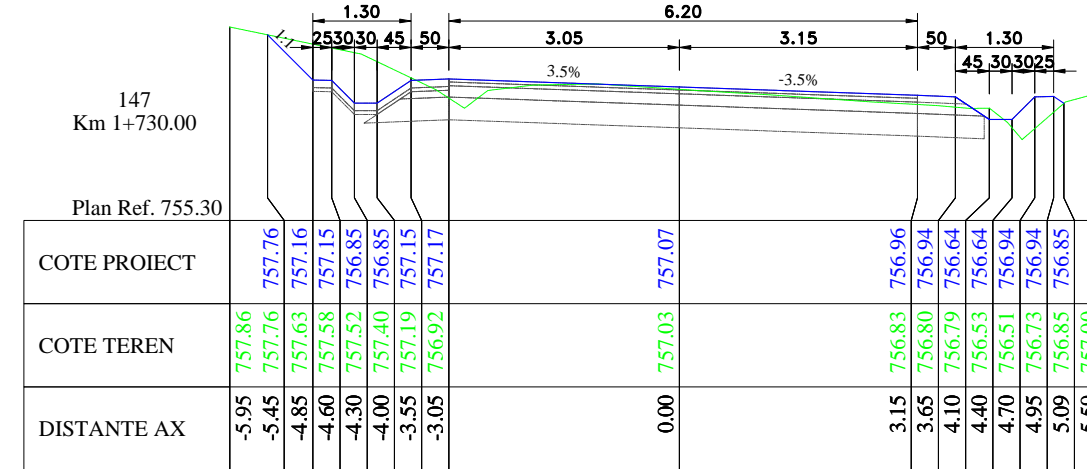
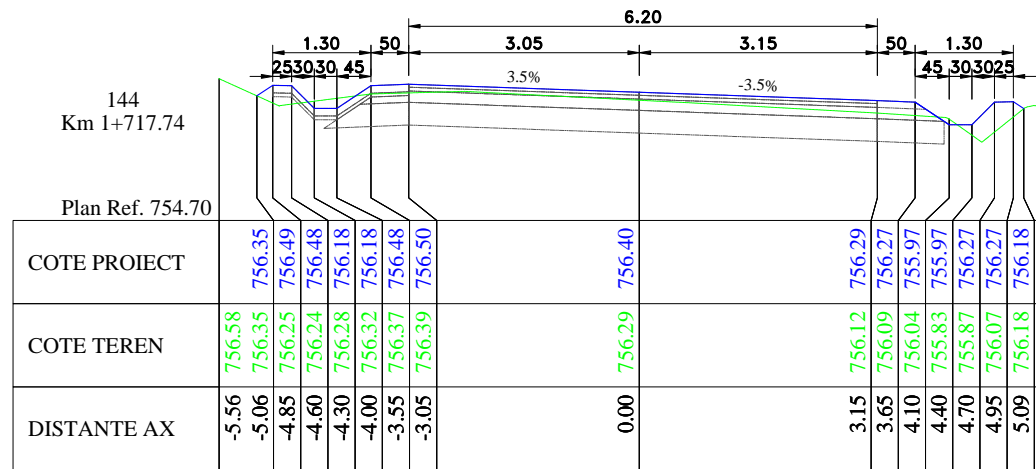
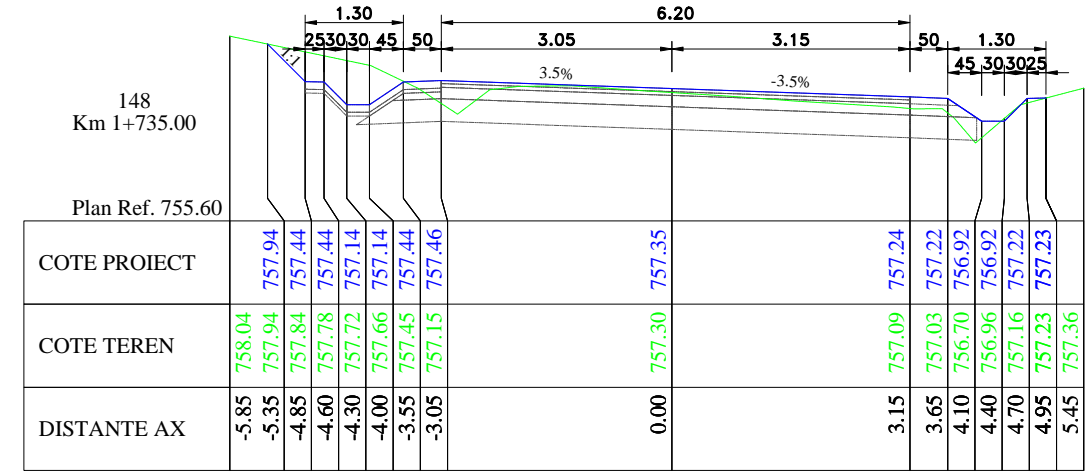
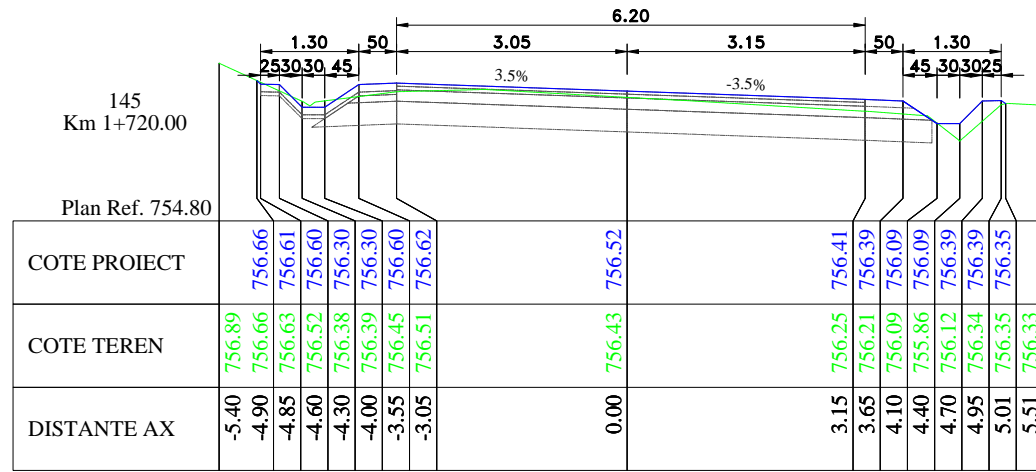
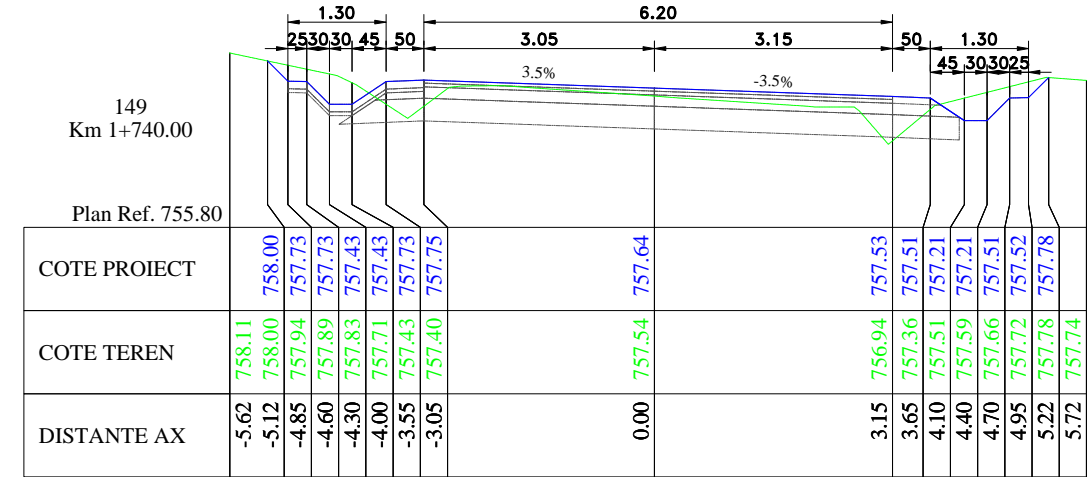
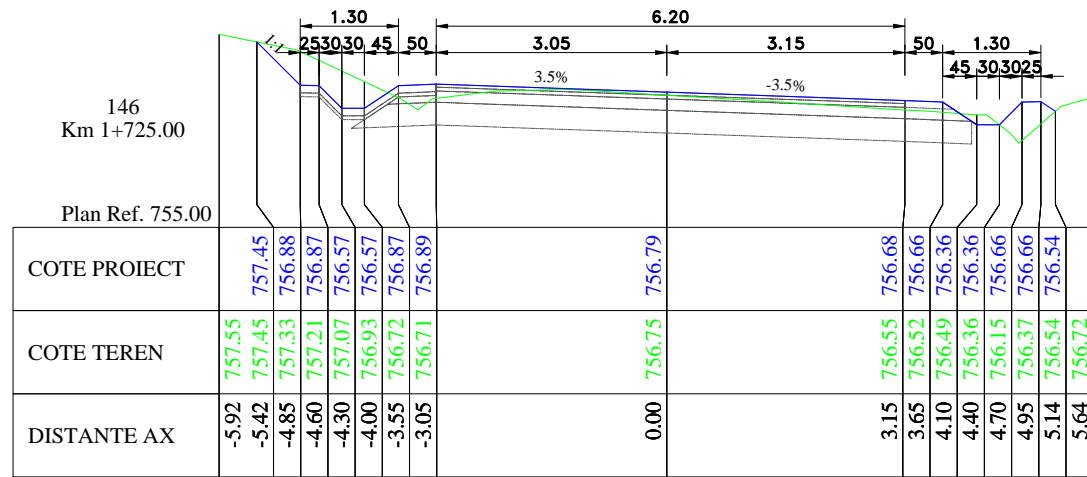
Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Proiect nr.
				Orasul Zarnesti, jud. Brasov	144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita	
Proiectat	Ing. Hoisan Adrian		1:100	Km 1+500.00 - Km 2+000.00,	
Desenat	Ing. Hoisan Adrian		Data:	Orasul Zarnesti, Jud. Brasov	
Șef Proiect	Ing. Miron Adrian		07/2018	Titlu planșă:	Planșa nr.
				PROFILE TRANSVERSALE	PT1
				Km 1+500.00 - Km 1+528.49	



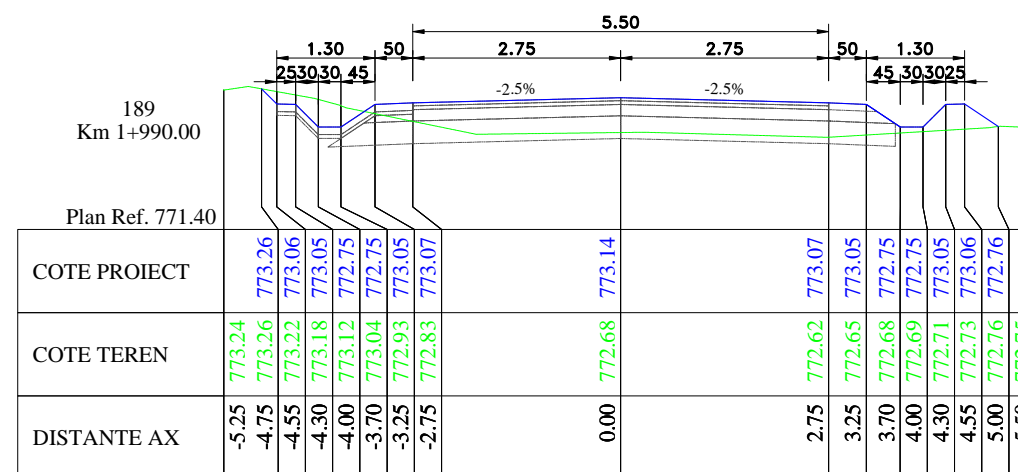
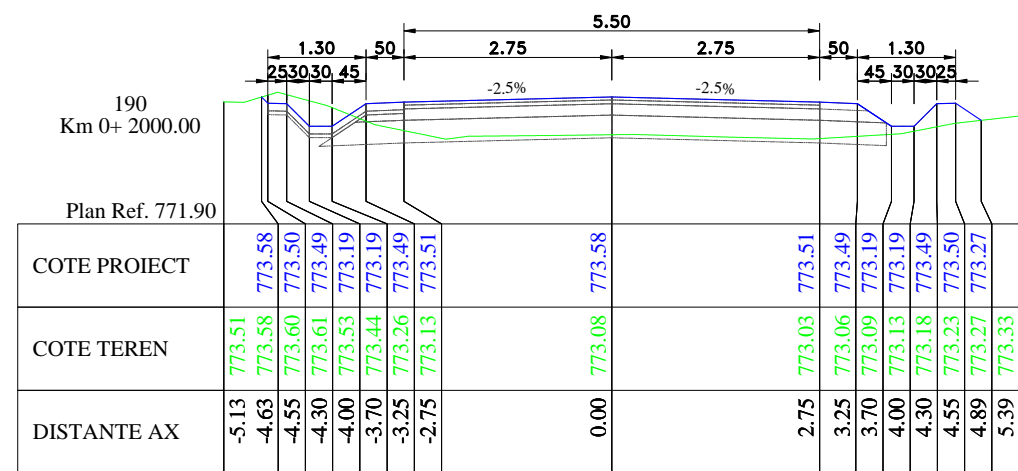
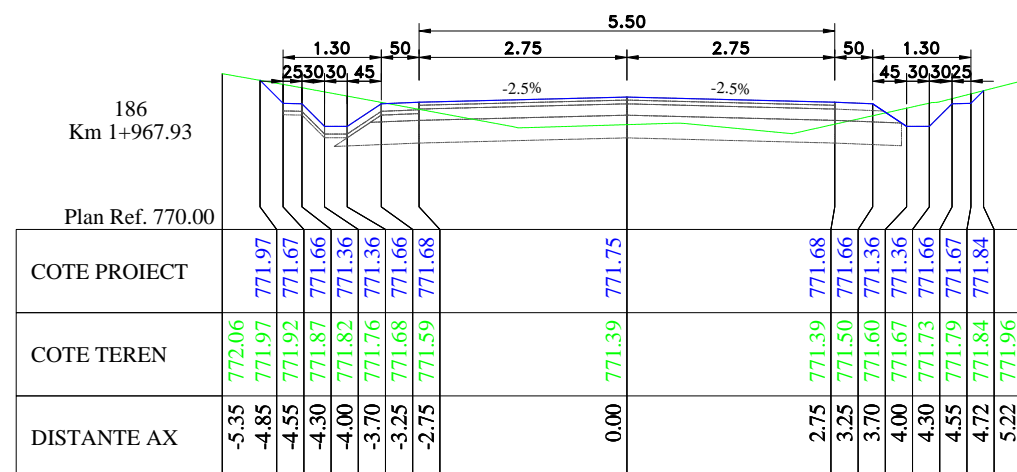
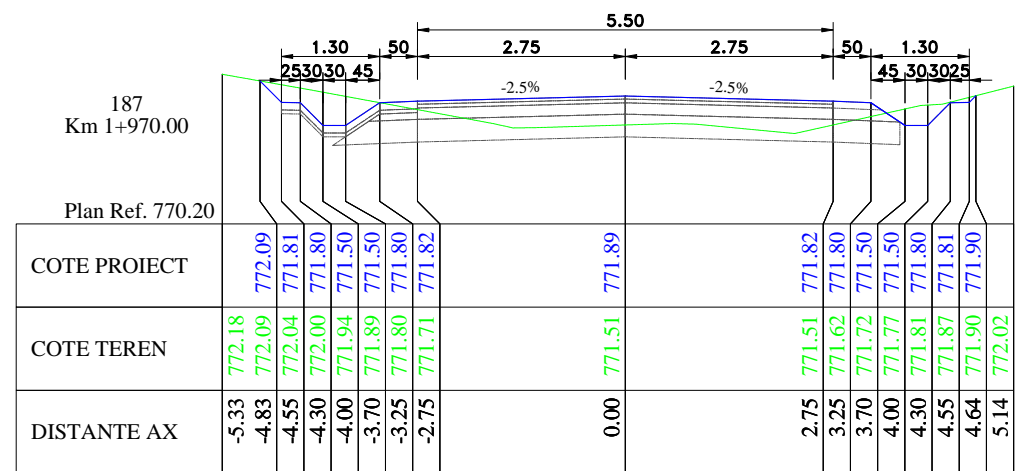
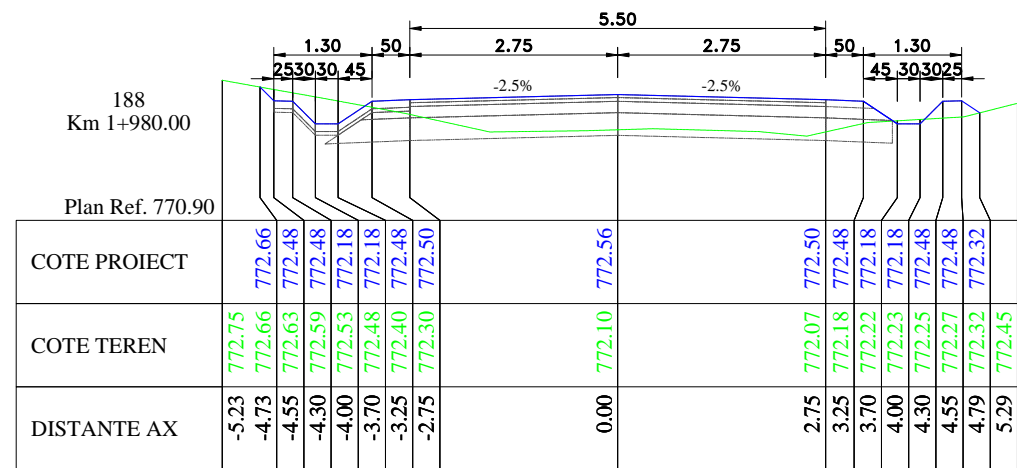
Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Orasul Zarnesti, jud. Brasov
Proiectat	Ing. Hoisan Adrian		Scara: 1:100	Titlu proiect:	Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Titlu planșă:	PROFILE TRANSVERSALE Km 1+560.00 - Km 1+580.00
Șef Proiect	Ing. Miron Adrian				
				Proiect nr.	144/2017
				Faza:	P.T.-Rev.1
				Planșa nr.	PT3



Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Orasul Zarnesti, jud. Brasov
Proiectat	Ing. Hoisan Adrian		Scara: 1:100	Titlu proiect:	Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Titlu planșă:	PROFILE TRANSVERSALE Km 1+585.00 - Km 1+605.95
Șef Proiect	Ing. Miron Adrian				
				Proiect nr.	144/2017
				Faza:	P.T.-Rev.1
				Planșa nr.	PT4

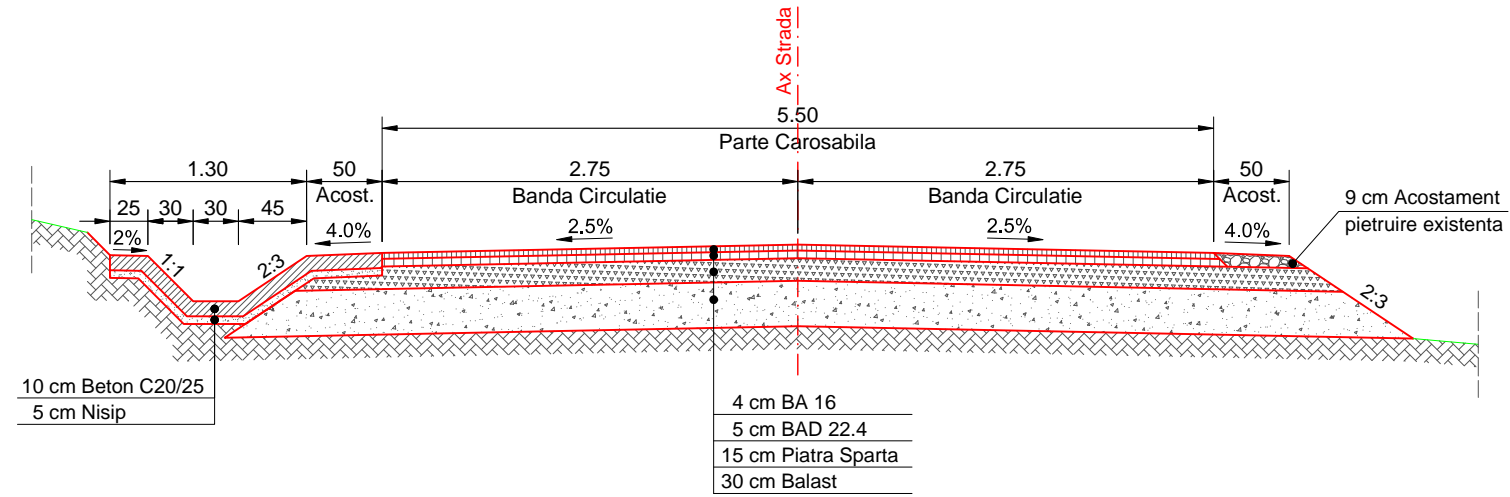


Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Proiect nr.
				Orasul Zarnesti, jud. Brasov	144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita	
Proiectat	Ing. Hoisan Adrian		1:100	Km 1+500.00 - Km 2+000.00,	
Desenat	Ing. Hoisan Adrian		Data:	Orasul Zarnesti, Jud. Brasov	
Șef Proiect	Ing. Miron Adrian		07/2018	Titlu planșă:	Planșa nr.
				PROFILE TRANSVERSALE	PT8
				Km 1+717.74 - Km 1+740.00	



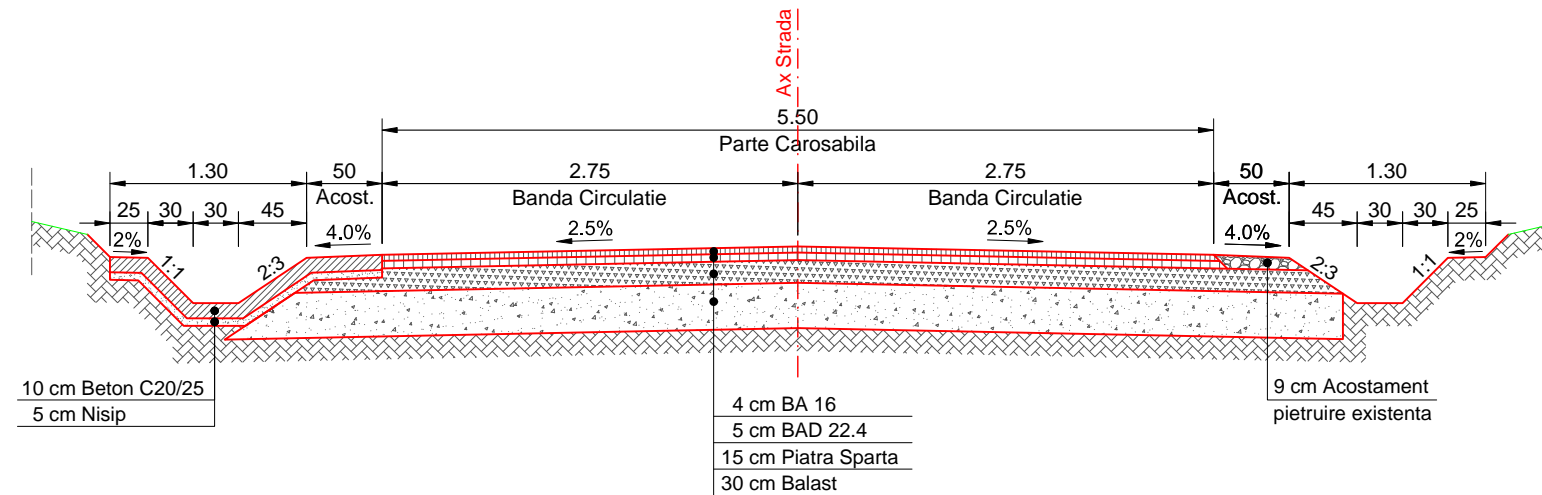
Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Proiect nr.
				Orasul Zarnesti, jud. Brasov	144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita	
Proiectat	Ing. Hoisan Adrian		1:100	Km 1+500.00 - Km 2+000.00,	
Desenat	Ing. Hoisan Adrian		Data:	Orasul Zarnesti, Jud. Brasov	
Șef Proiect	Ing. Miron Adrian		07/2018	Titlu planșă:	Planșa nr.
				PROFILE TRANSVERSALE	PT15
				Km 1+967.93 - Km 2+000.00	

PROFIL TRANSVERSAL TIP I
SCARA 1:50



Aplicabilitate : DJ 112H - Km 1+500.00 - Km 1+525.63

PROFIL TRANSVERSAL TIP II
SCARA 1:50



Aplicabilitate : DJ 112H - Km 1+525.63 - Km 2+000.00

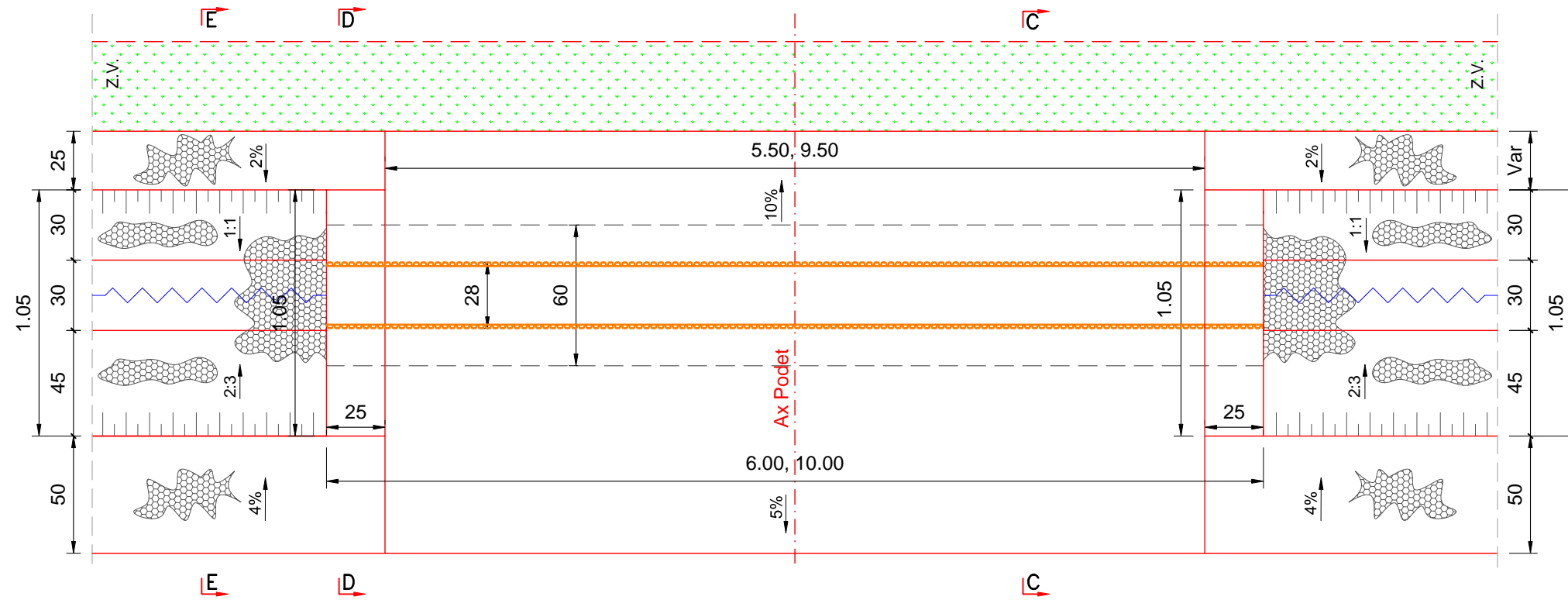
Cerinte de calitate:

Clasa de expunere: XC4+XF3
Clasa de cloruri: Cl 0.20
Dimensiunea maxima a agregatelor: 22mm

Verificator				Referat / Expertiză Nr. / Data	
Verificator/Expert	Nume	Semnătura	Cerința		
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Proiect nr.
				Orasul Zarnesti, jud. Brasov	144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect: Modernizare DJ 112H, zona Tohanita	
Proiectat	Ing. Hoisan Adrian		1:50	Km 1+500.00 - Km 2+000.00,	
Desenat	Ing. Hoisan Adrian		Data:	Orasul Zarnesti, Jud. Brasov	
Șef Proiect	Ing. Miron Adrian		07/2018	Titlu planșă:	Planșa nr.
				PROFILE TRANSVERSALE TIP	PTT1
				DJ 112H - Profil I - II	

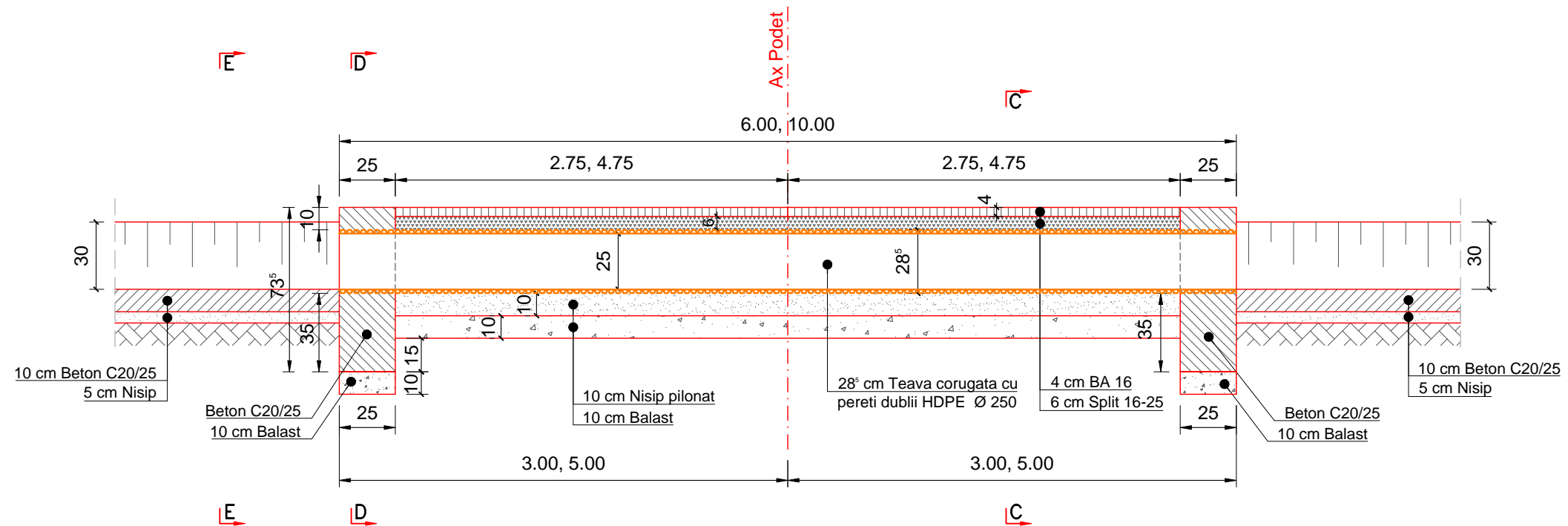
Vedere Plan Podet

A - A



Sectiune Longitudinala Podet

B - B

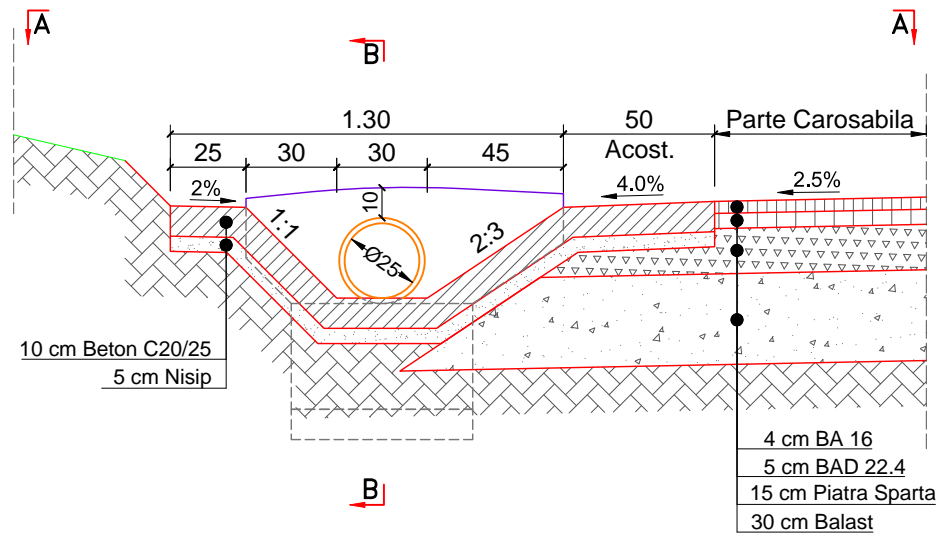


Lungimi podete :

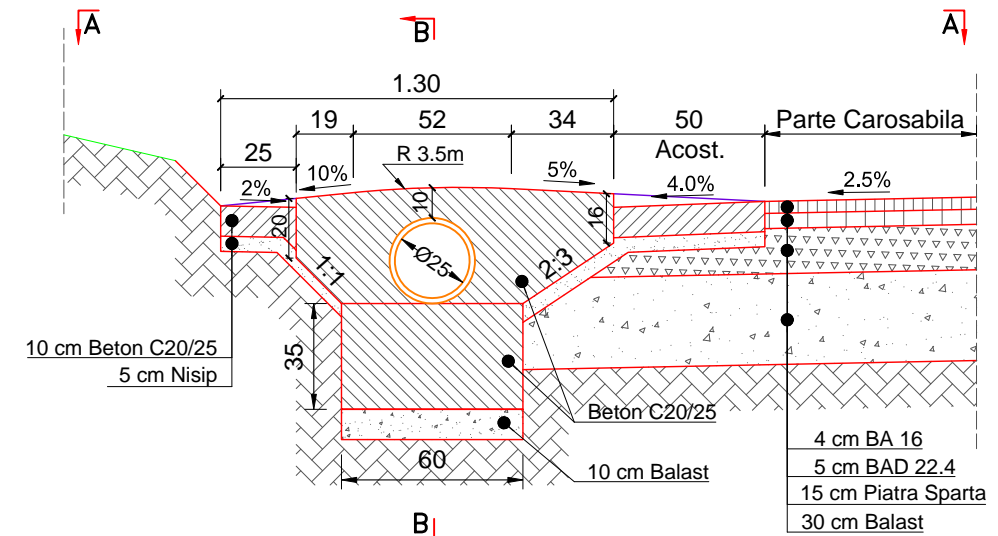
- L = 6.00 m - 1 buc
- L = 10.00 m - 1 buc

Verificator				Referat / Expertiză Nr. / Data
Verificator/Expert	Nume	Semnătura	Cerința	
	S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892			Beneficiar: Orasul Zarnesti, jud. Brasov
Proiectat	Ing. Hoisan Adrian		Scara: 1:25	Proiect nr. 144/2017
Desenat	Ing. Hoisan Adrian		Data: 07/2018	Faza: P.T.-Rev.1
Șef Proiect	Ing. Miron Adrian			Titlu proiect: Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov
				Titlu planșă: DETALIU PODET ACCES Vedere în plan și Sectiune longitudinala,
				Planșa nr. DPA 1

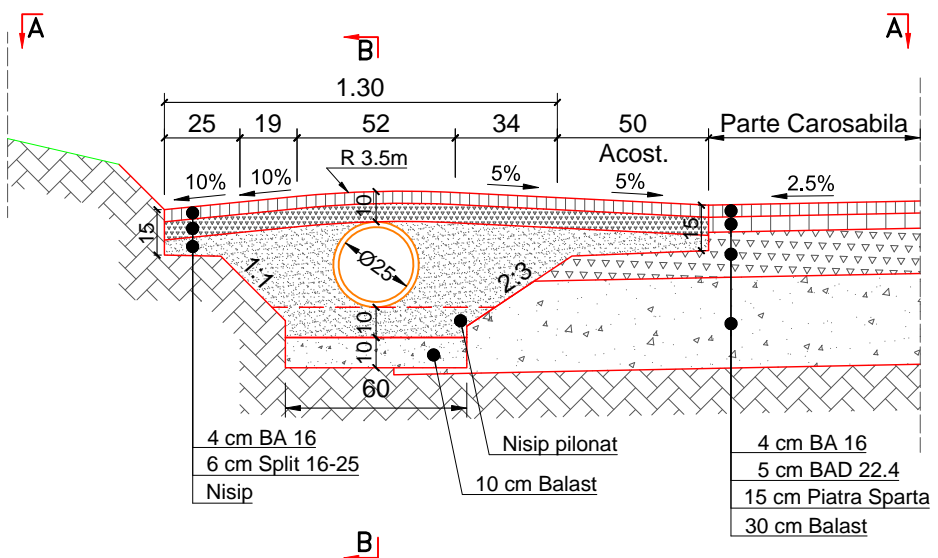
Secțiune Transversala Podet
E - E



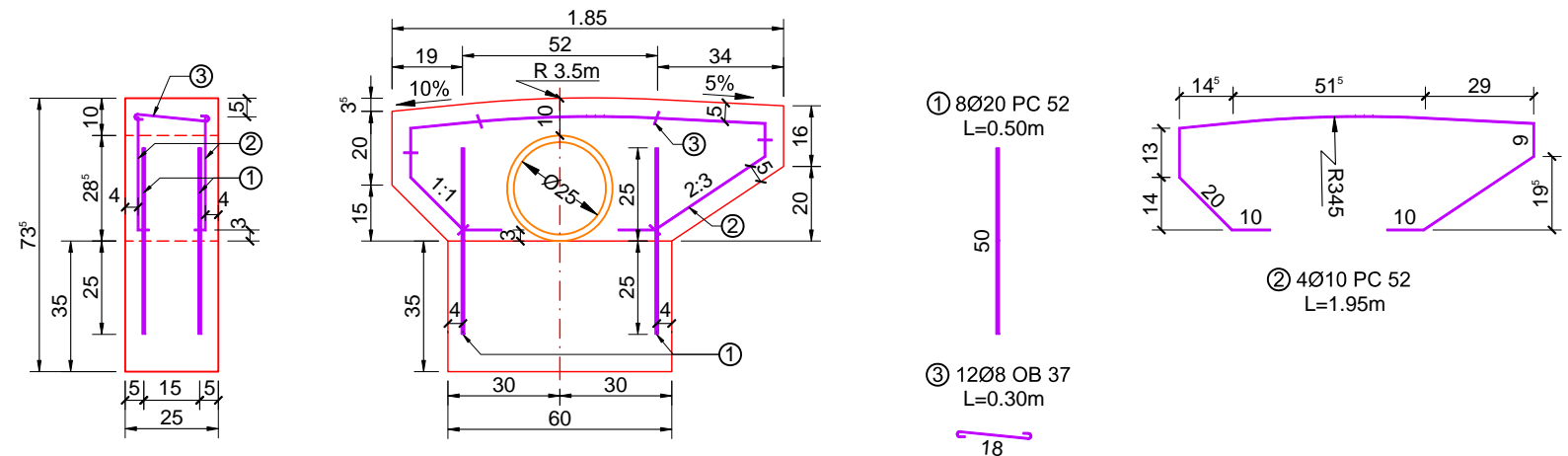
Secțiune Transversala Podet
D - D



Secțiune Transversala Podet
C - C



Detaliu armare timpan podet
Scara: 1:20



EXTRAS DE ARMATURA PODET

Marca	Ø	Nr. buc.	Lungime/buc	OB37			PC52		
				Ø8	Ø10	Ø20	Ø8	Ø10	Ø20
1	20	8	0.50	-	-	4.00			
2	10	4	1.95	-	7.80	-			
3	8	12	0.30	3.60	-	-			
Lungime pe diametru (m)				3.60	7.80	4.00			
Greutate pe ml (kg/ml)				0.395	0.617	2.466			
Greutate pe diametru (kg)				1.42	4.81	9.97			
Greutate (kg)				1.50	15.00				

Cerinte de calitate:

Clasa de expunere: X0; XC4+XF3
Clasa de cloruri: Cl 0.20
Dimensiunea maxima a agregatelor: 22mm

Materiale utilizate:
Beton C20/25
Armatura: OB37 ; PC52
Tuburi corugate cu pereti dubli din polietilena de inalta densitate (HDPE, SN 8)

Verificator	Nume	Semnătura	Cerința	Referat / Expertiză Nr. / Data	
Verificator/Expert					
S.C. DAMAR PROIECT S.R.L. Mun. Brasov, J08/1037/2007 - RO21545892				Beneficiar:	Orasul Zarnesti, jud. Brasov Proiect nr. 144/2017
Specificație	Nume	Semnătura	Scara:	Titlu proiect:	Faza:
Proiectat	Ing. Hoisan Adrian		1:25 1:20	Modernizare DJ 112H, zona Tohanita Km 1+500.00 - Km 2+000.00, Orasul Zarnesti, Jud. Brasov	P.T.-Rev.1
Desenat	Ing. Hoisan Adrian		Data:	Titlu planșă:	Planșa nr.
Șef Proiect	Ing. Miron Adrian		07/2018	DETALIU PODET ACCES Secțiuni transversale	DPA2