
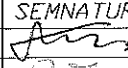
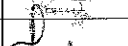



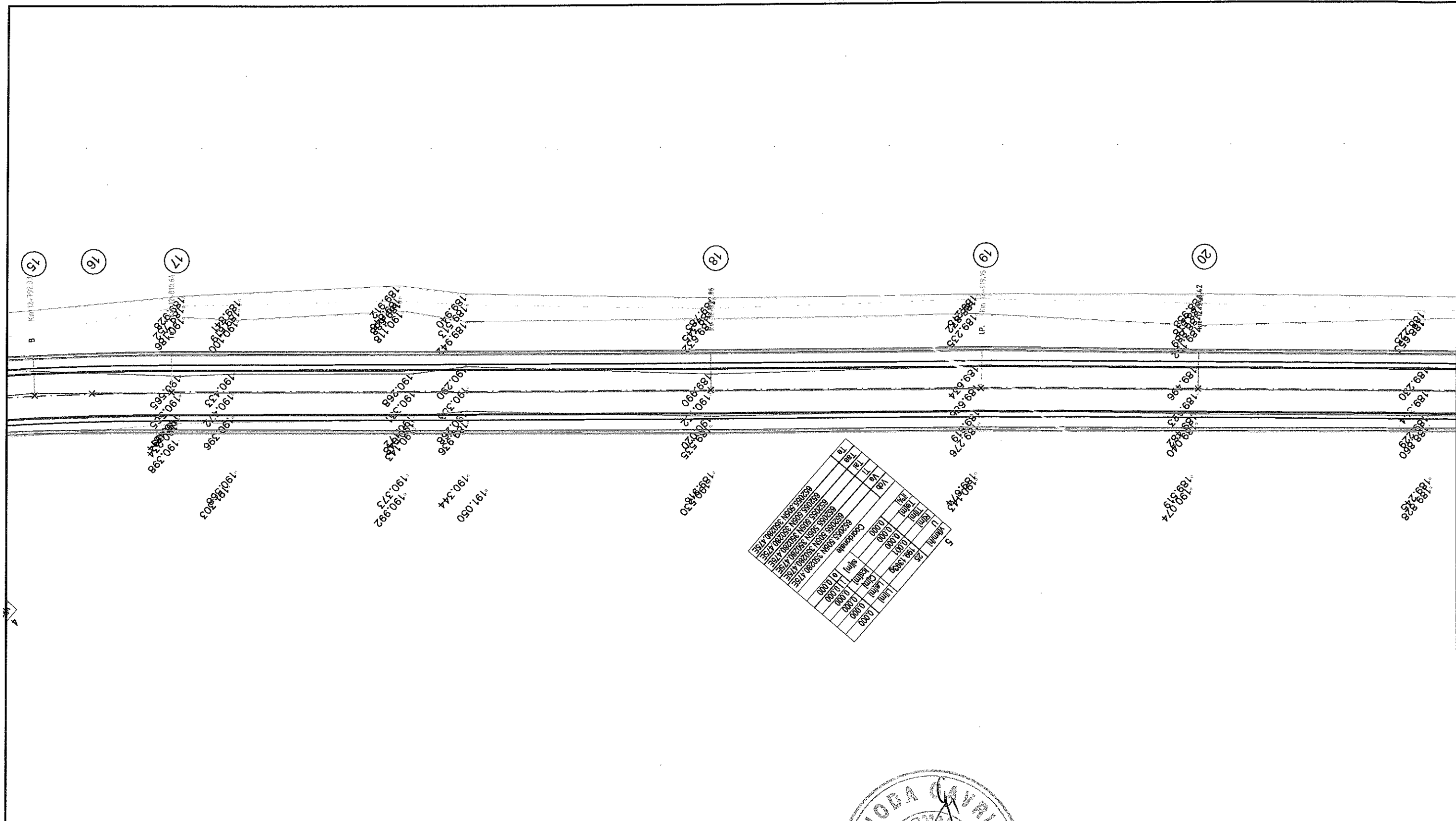


Sector de drum propus pentru modernizare				
VERIFICATOR	NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT		BENEFICIAR		PROIECT Nr.
		CONSILIUL JUDEȚEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		CONSILIUL JUDEȚEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE		NUMELE	SEMNATURA	SCARA
SEF PROIECT		Ing.Berar D		1:25000
PROCESAT		Ing.Boncida M		DATA
VERIFICAT		teh.Dlah R		05.2015
APROBAT		Ing.Bolba S		
		Ing.Ghiurco M		
TITLU PROIECT				FAZA
MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430				PT+DDE
TITLU PLANSA				PLANSĂ Nr.
PLAN DE INCADRARE IN ZONA				PI-1





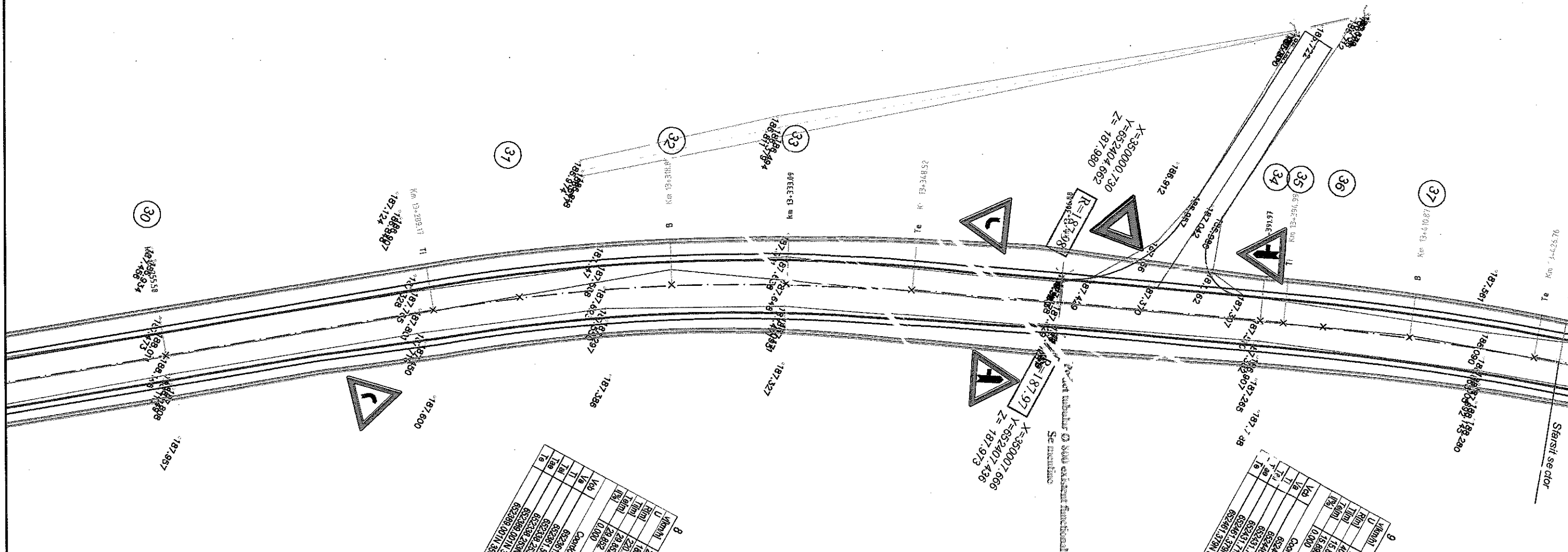


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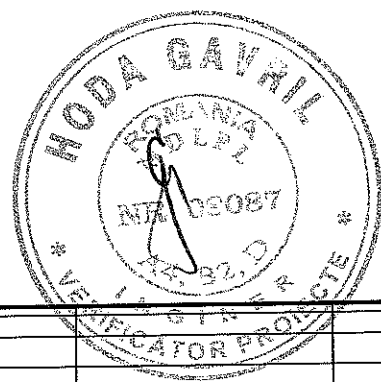






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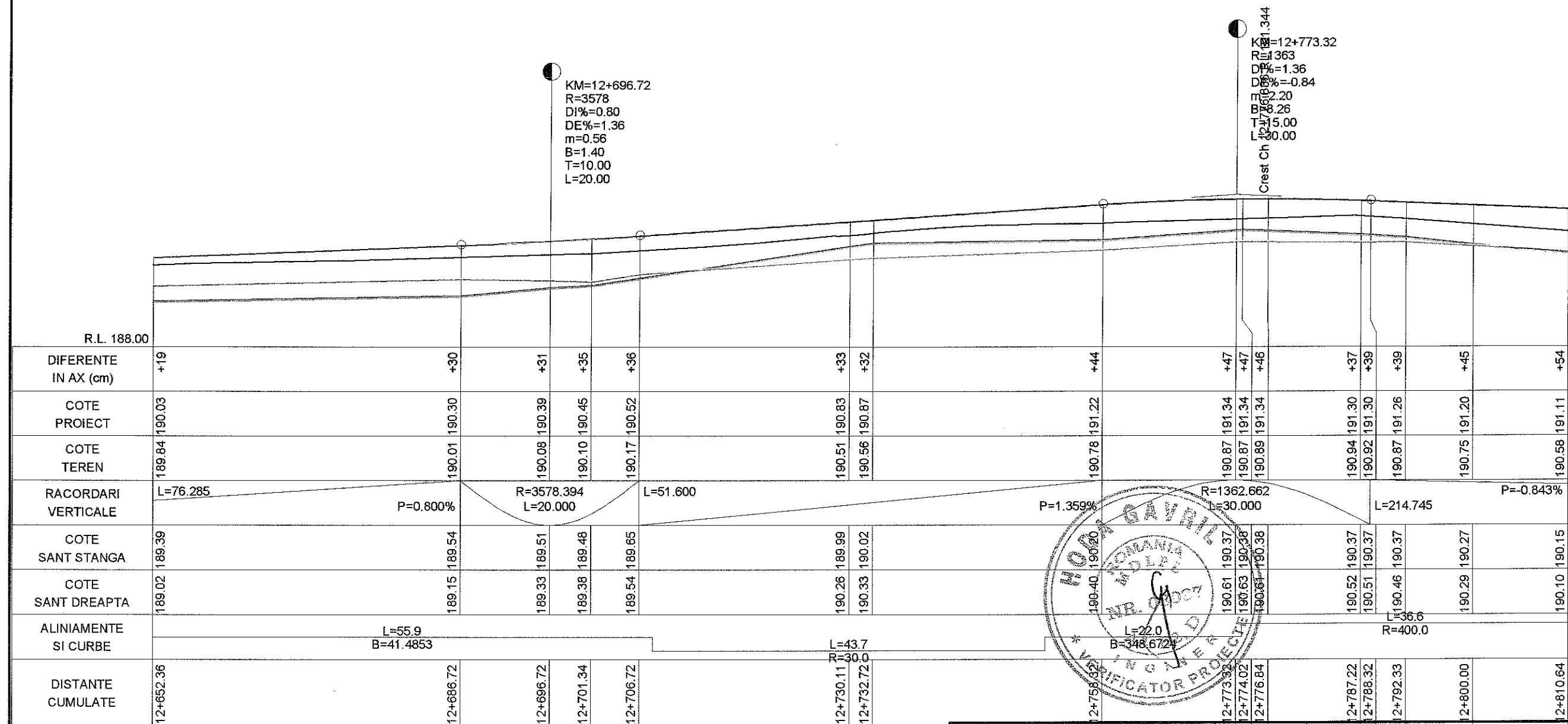


VERIFICATOR	NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR	PROIECT Nr.
			CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	9/2015
SPECIFICATIE	NUMELE	SEMNATURA	TITLU PROIECT	FAZA
SEF PROIECT	ing. Berar D		MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430	PTH+DE
PROCESAT	ing. Boncidai M			
	teh. Olah R		TITLU PLANSA	PLANSĂ Nr.
VERIFICAT	ing. Bolba S		PLAN DE SITUATIE	PS-6
APROBAT	ing. Ghiurco M			



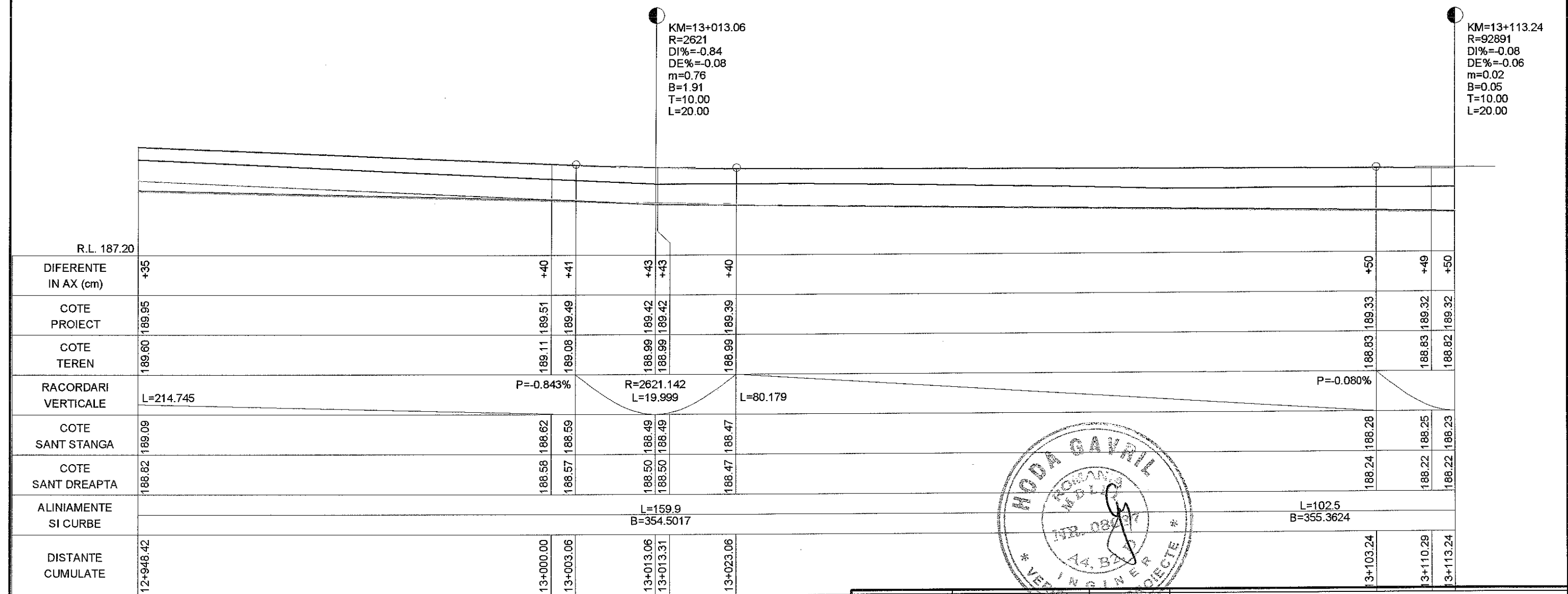






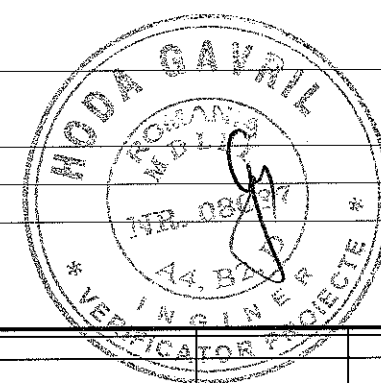
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PROIECTANT		CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	
SPECIFICATIE		NUMELE	SEM NATURA	SCARA	PROIECT Nr.
SEF PROIECT		ing. Berar D		1:500	9/2015
PROCESAT		ing. Boncidai M		DATA	FAZA
VERIFICAT		teh. Olah R		05.2015	PTh+DE
APROBAT		ing. Bolba S			PLANSĂ Nr.
		ing. Ghiurco M			PL-2





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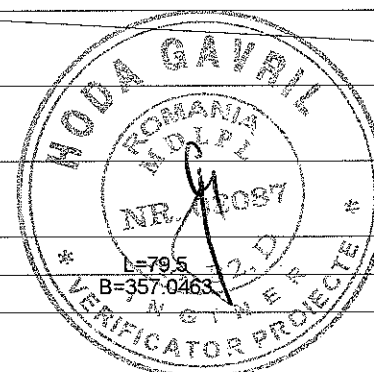
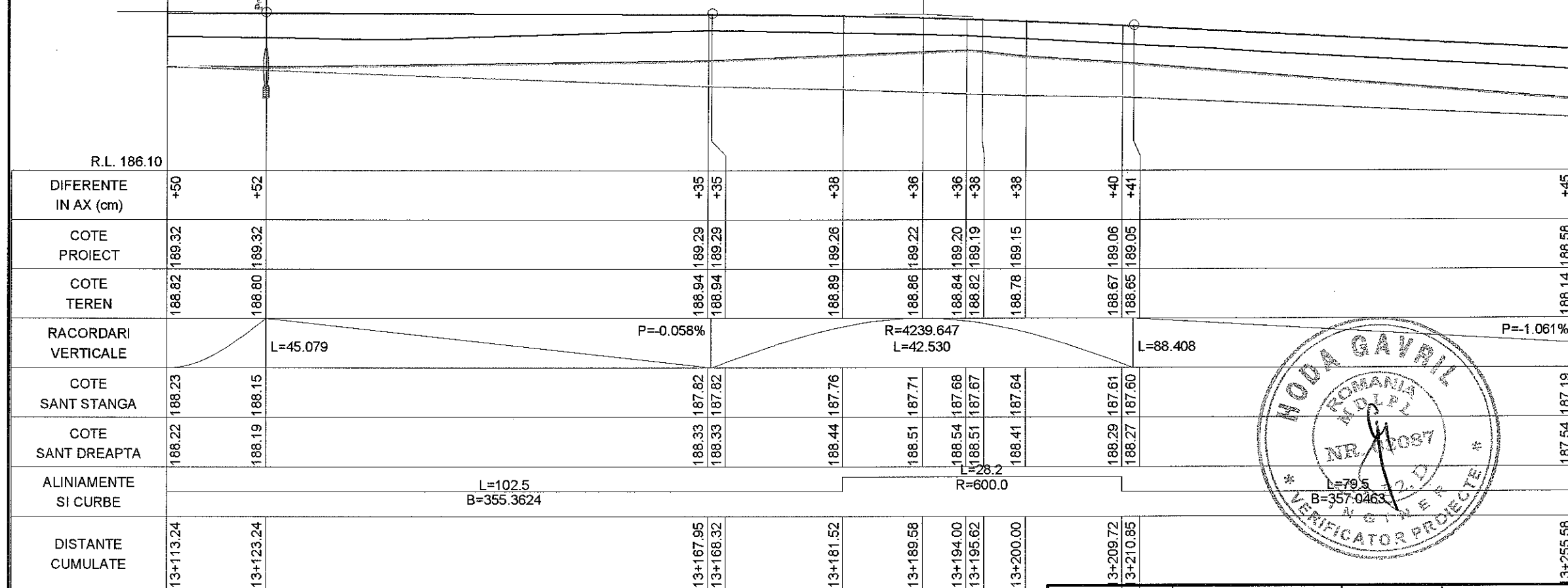
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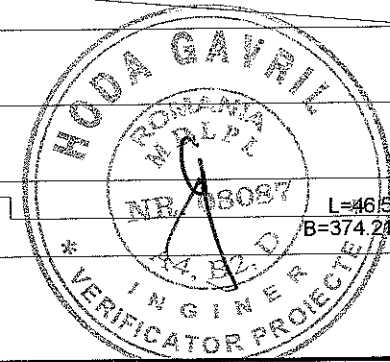
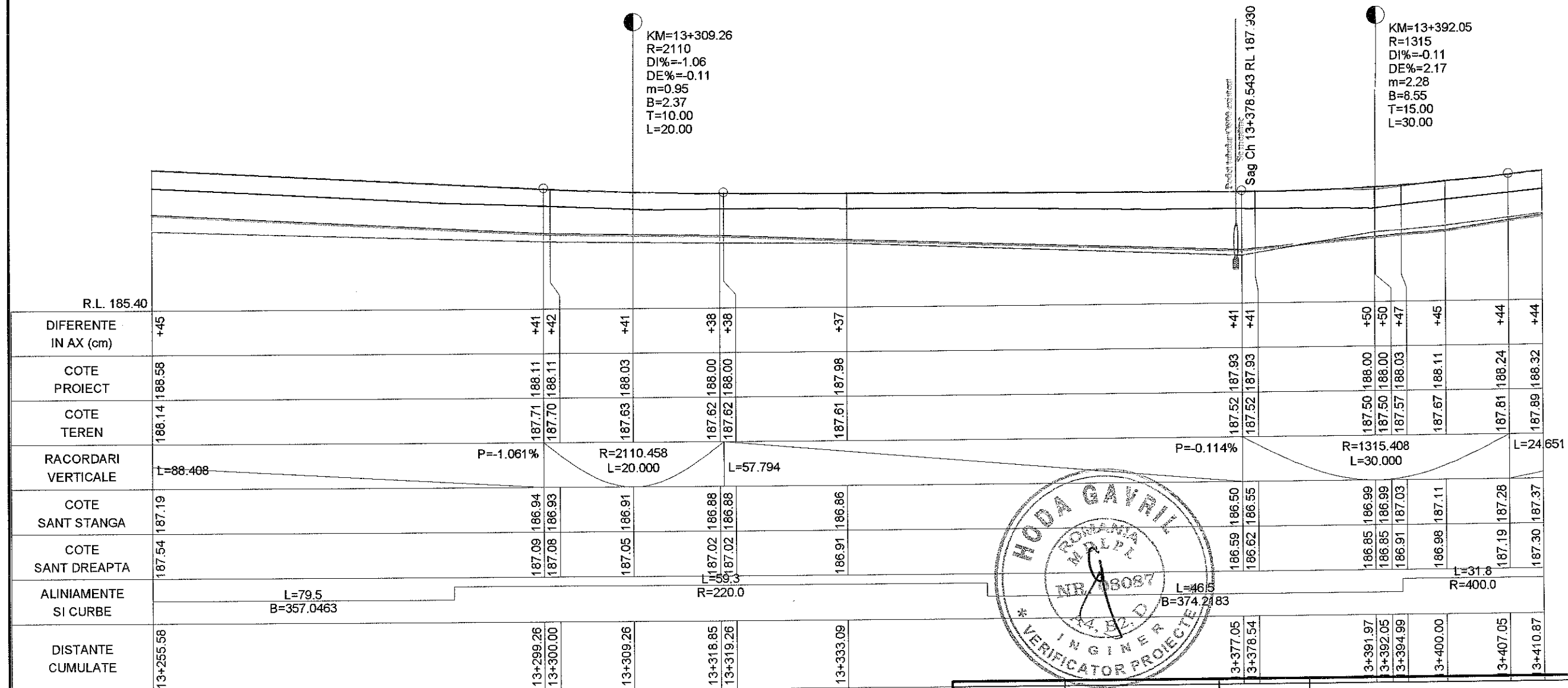
VERIFICATOR	NUME	SEMNTURA	REFERAT/EXPERTIZA NR./DATA
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE	NUMELE	SEMNTURA	SCARA
SEF PROIECT	ing. Berar D		1:500
PROCESAT	ing. Boncidai M		DATA
VERIFICAT	teh. Olah R		05.2015
APROBAT	ing. Ghiurco M		
TITLU PROIECT			MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430
TITLU PLANSA			PROFIL LONGITUDINAL
PROIECT Nr.			9/2015
FAZA			PTH+DE
PLANSĂ Nr.			PL-4

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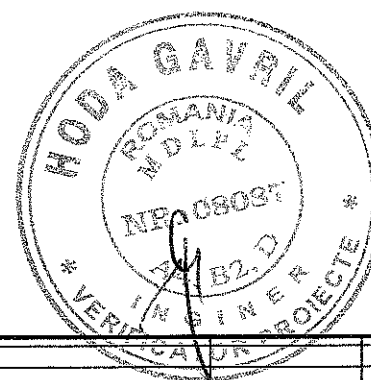
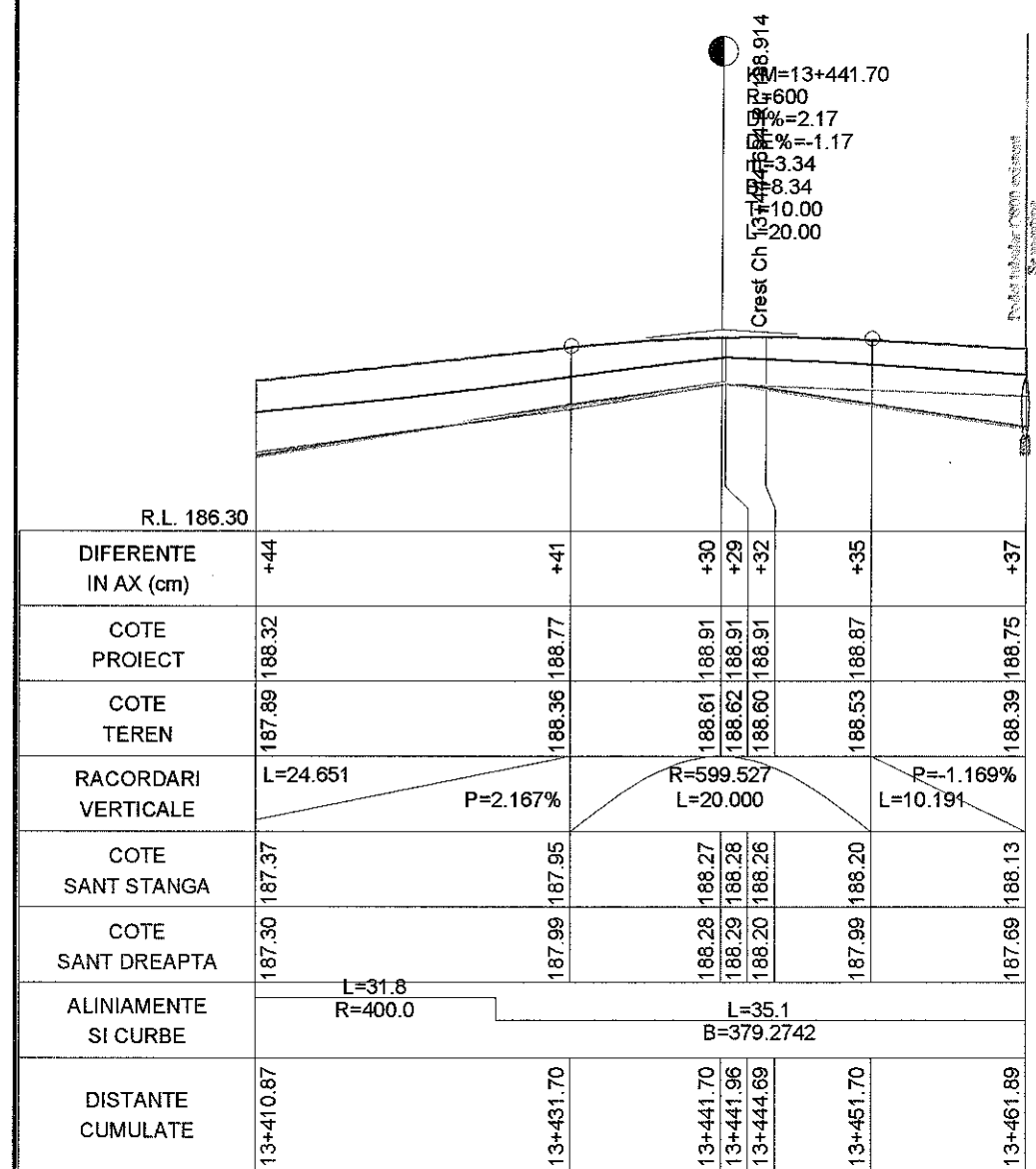
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SPECIFICATIE		NUMELE	SEM NATURA	SCARA	TITLU PROIECT
SEF PROIECT		ing.Berar D		1:500	MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430
PROCESAT		ing.Boncidai M		DATA	FAZA
VERIFICAT		teh.Olah R		05.2015	PTth+DE
APROBAT		ing.Bolba S			PLANSĂ Nr. PL-5
		ing.Ghiurco M			



VERIFICATOR	NUME	SEM NATURA	REFERAT/EXPERTIZA NR./DATA		
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR	CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	
PROIECT Nr.			9/2015		
SPECIFICATIE	NUMELE	SEM NATURA	SCARA	MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430	
SEF PROIECT	ing.Berar D		1:500		
PROCESAT	ing.Boncicai M				
	teh.Olah R				
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APROBAT	ing.Ghiurco M			PROFIL LONGITUDINAL	
				PLANS Nr. PL-6	





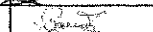
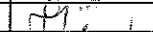


VERIFICATOR	NUME	SEMNAURA	REFERAT/EXPERTIZA NR./DATA
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PROIECT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		PROIECT Nr. 9/2015
SPECIFICATIE	NUMELE	SEMNAURA	SCARA
SEF PROIECT	ing.Berar D		1:500
PROCESAT	ing.Boncikai M		DATA
VERIFICAT	teh.Olah R		05.2015
APROBAT	ing.Bolba S		
	ing.Ghiurco M		
			TITLU PROIECT MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430
			FAZA PT+DE
			PLANSĂ Nr. PL-7



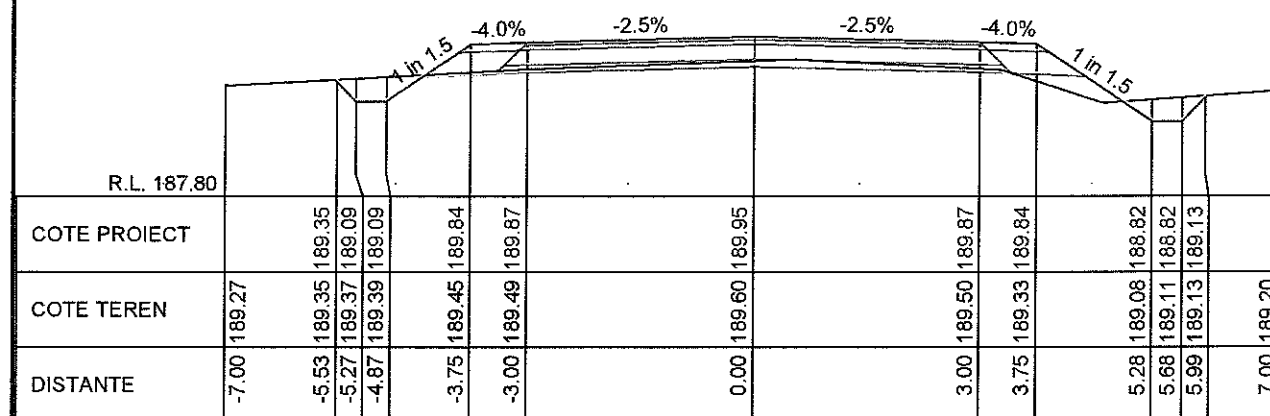
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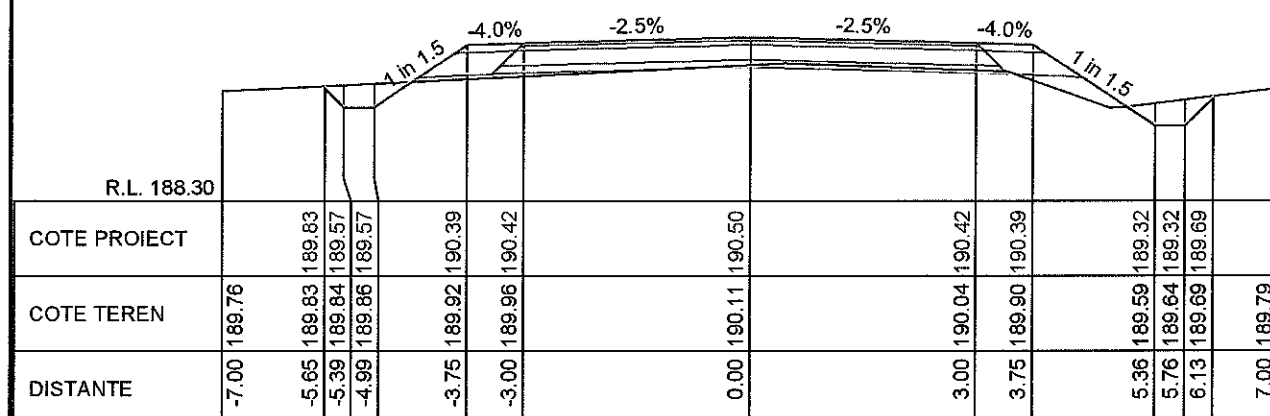
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VERIFICATOR		NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
 <b>PROIECTANT</b> <b>CONSILIUL JUDEȚEAN SALAJ</b> <b>DIRECTIA TEHNICA</b> ZALAU, P-ta 1 decembrie 1918, Nr.12			<b>BENEFICIAR</b> <b>CONSILIUL JUDEȚEAN SALAJ</b> ZALAU, P-ta 1 Decembrie 1918, Nr.12		<b>PROIECT Nr.</b>  9/2015
<b>SPECIFICATIE</b>	<b>NUMELE</b>	<b>SEMNATURA</b>	<b>SCARA</b>	<b>TITLU PROIECT</b>	<b>FAZA</b>
<b>SEF PROIECT</b>	ing.Berar D		1:100	<b>MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430</b>	<b>PTh+DE</b>
<b>PROCESAT</b>	ing.Boncidai M				
	teh.Olah R		<b>DATA</b>	<b>TITLU PLANSA</b>	<b>PLANSA Nr.</b>
<b>VERIFICAT</b>	ing.Bolba S		05.2015	<b>PROFILE TRANSVERSALE</b>	<b>PTr-1</b>
<b>APROBAT</b>	ing.Ghiurco M				

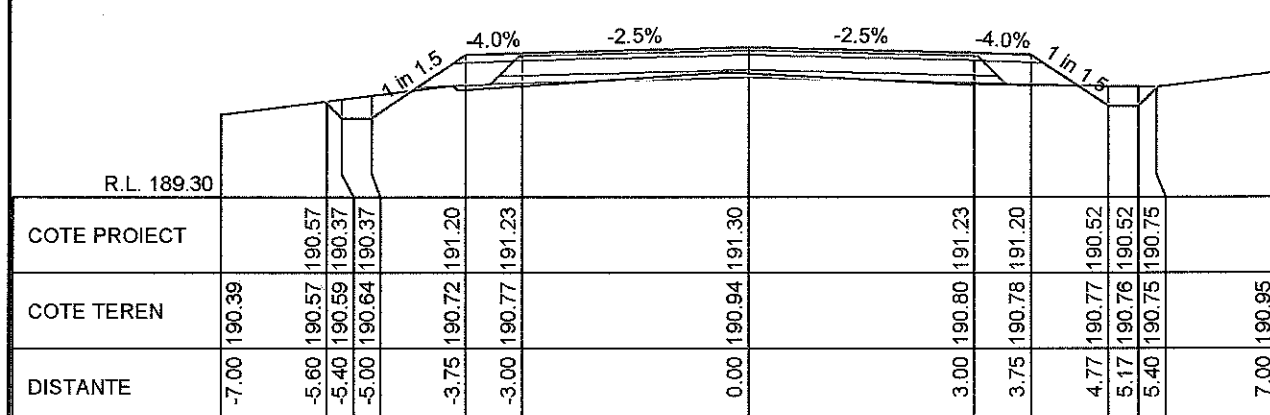
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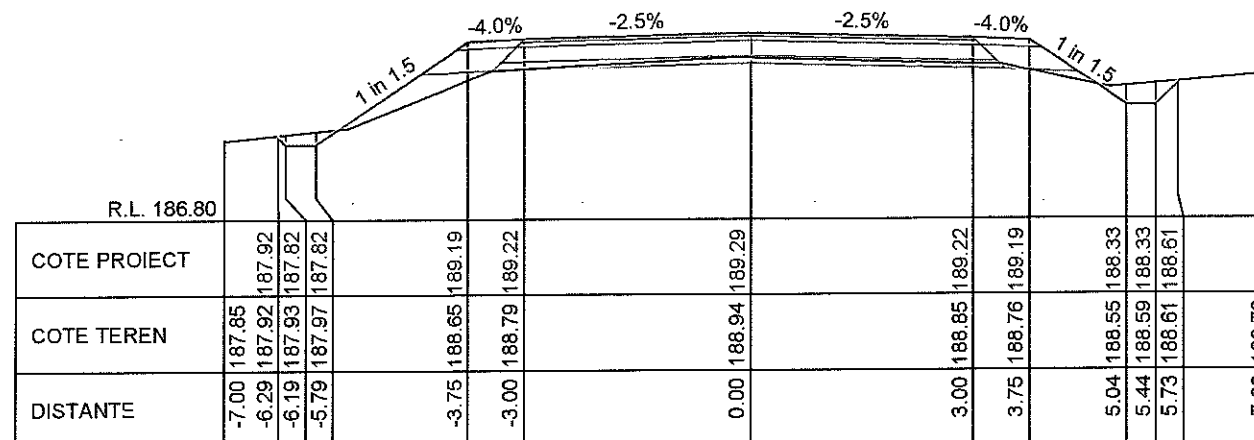
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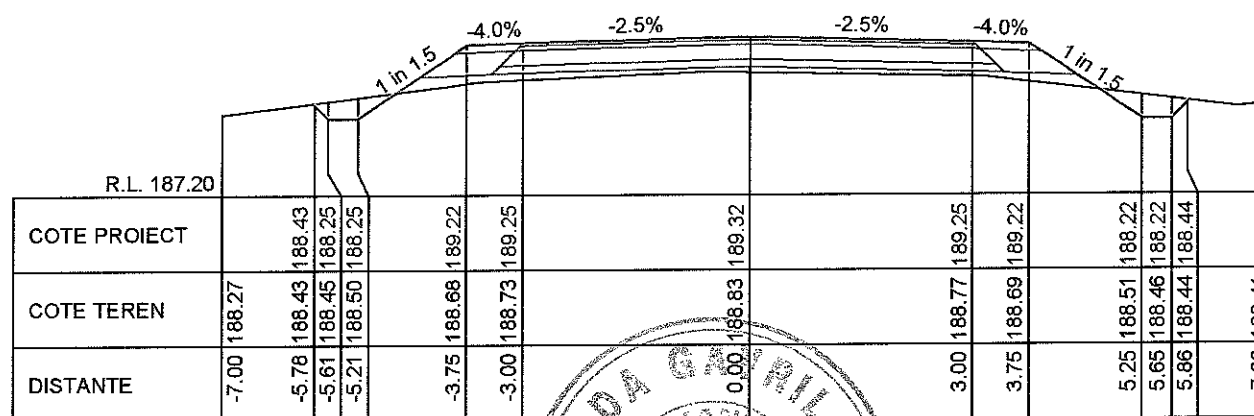
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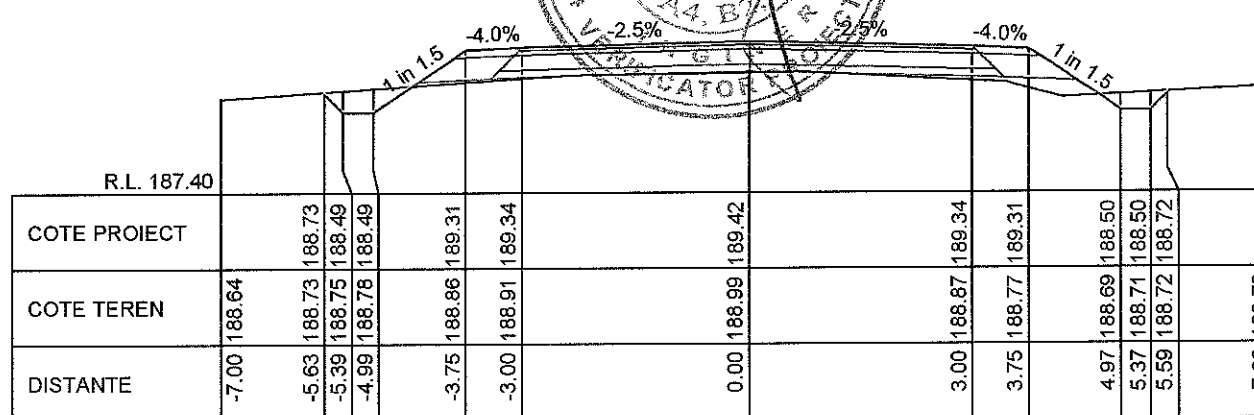
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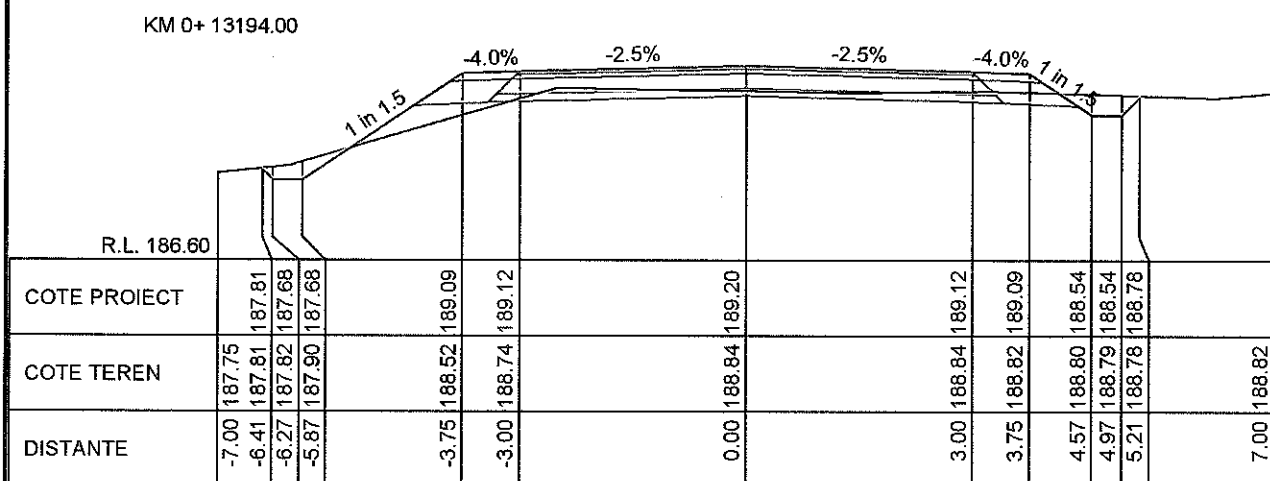
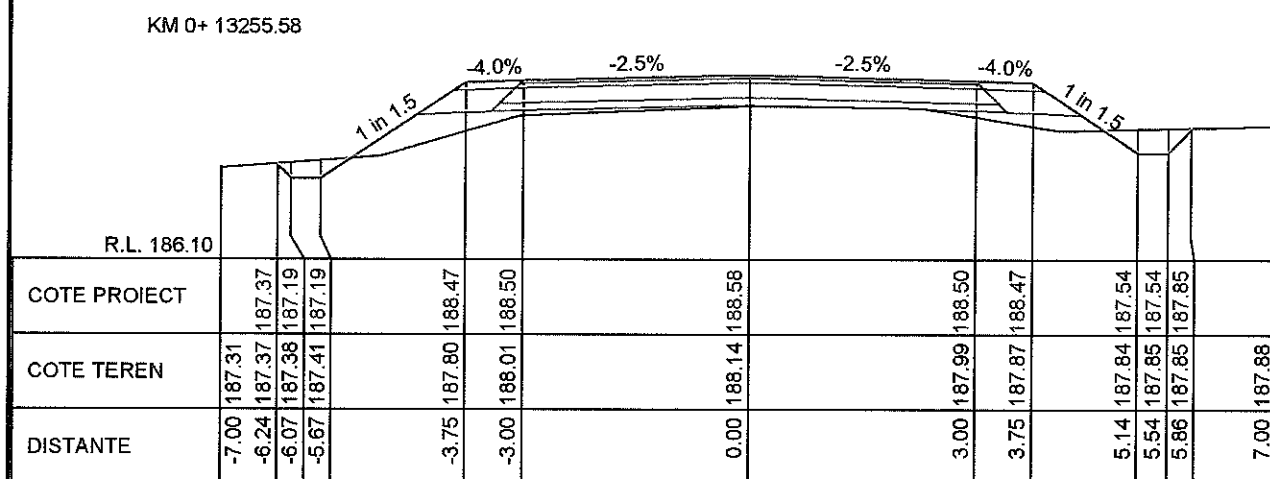
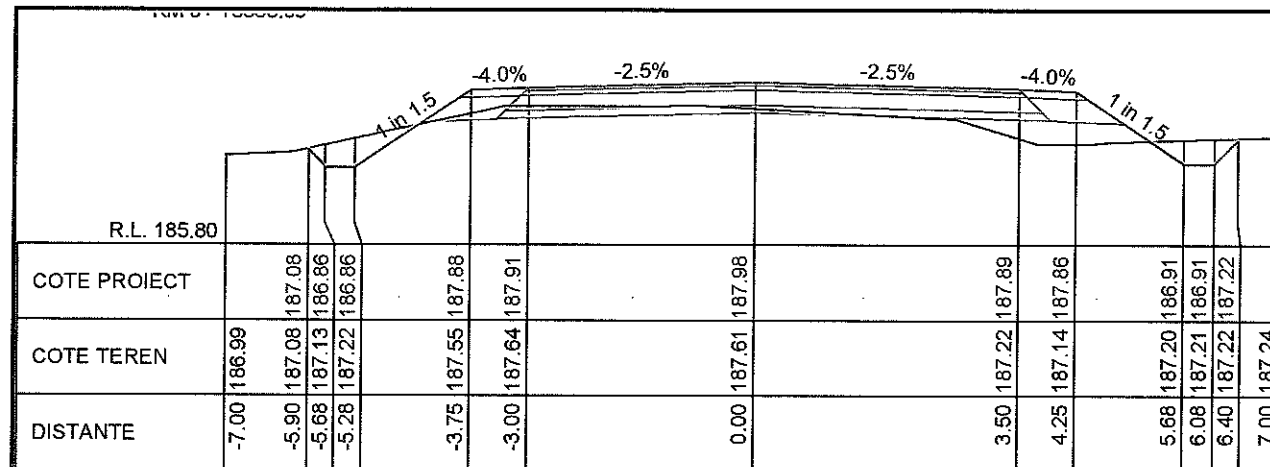
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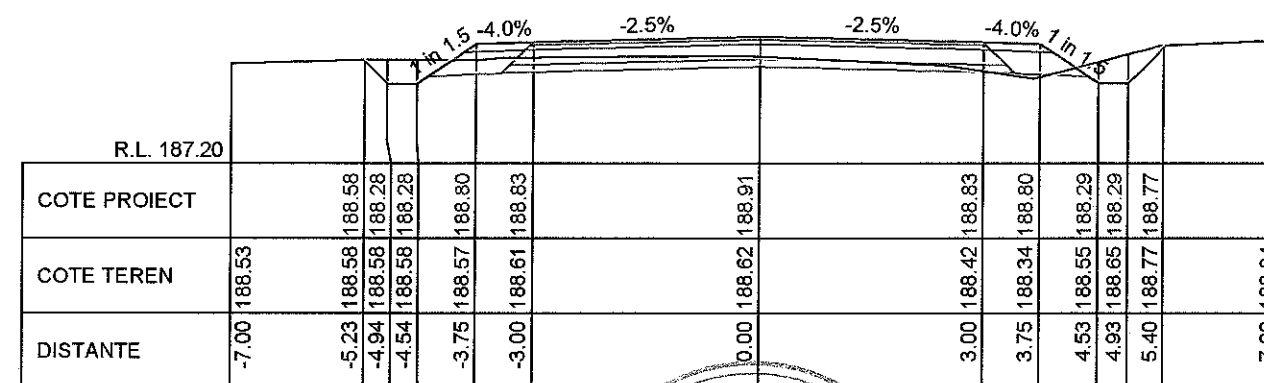
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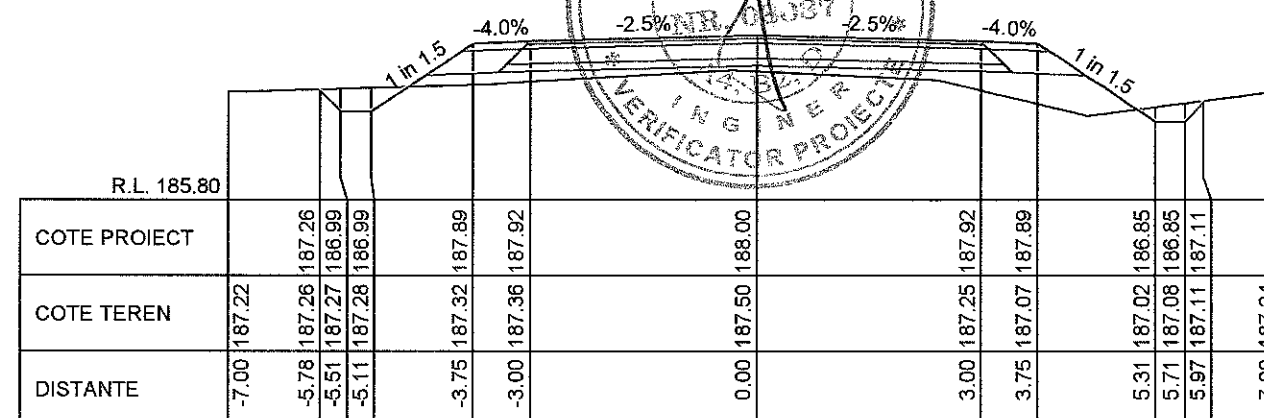
VERIFICATOR		NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT		CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	
SPECIFICATIE		NUMELE	SEMNATURA	SCARA	TITLU PROIECT
SEF PROIECT		ing. Berar D		1:100	MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430
PROCESAT		ing. Boncidai M		DATA	TITLU PLANSA
VERIFICAT		ing. Bolba S		05.2015	PROFILE TRANSVERSALE
APROBAT		ing. Ghiurco M			PLANSĂ Nr. PT 2



KM 0+ 13441.96



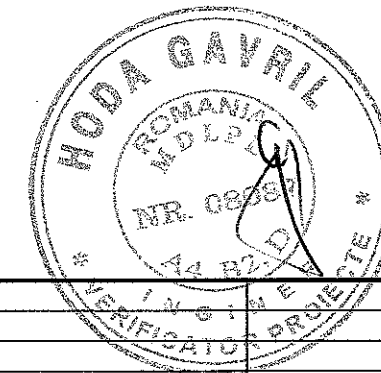
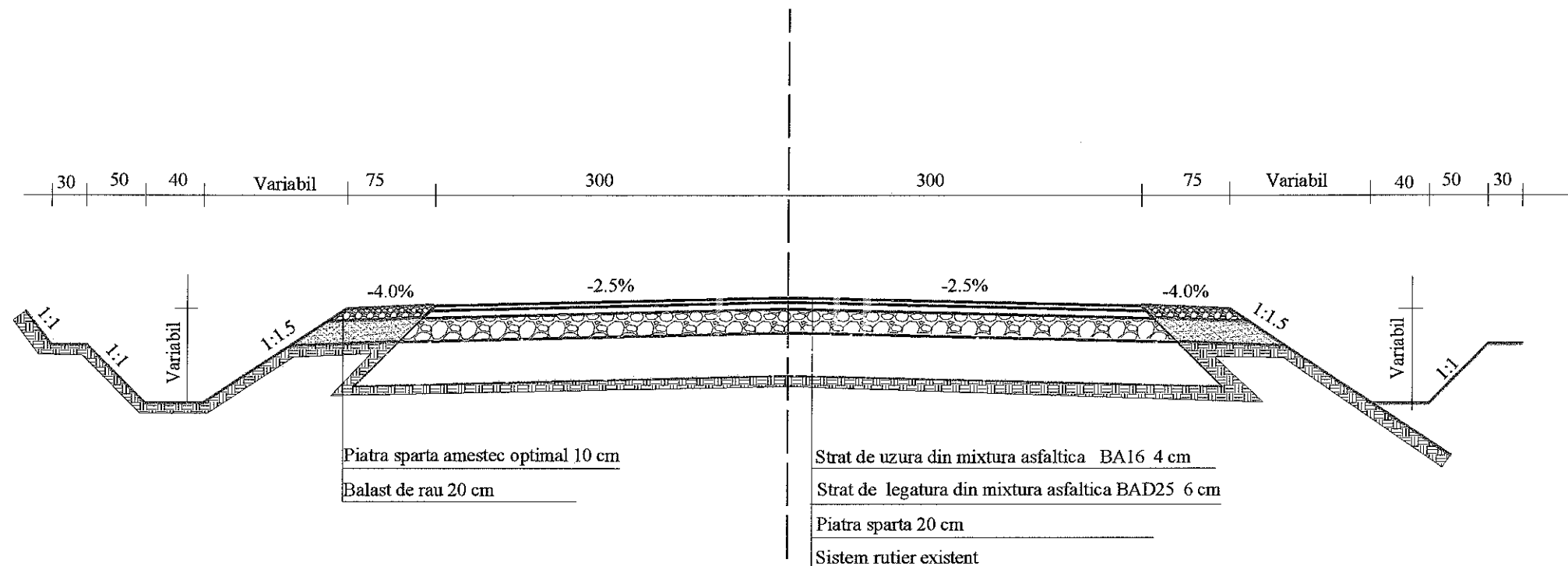
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VERIFICATOR		NUME	SEM NATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT		CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	
SPECIFICATIE		NUMELE	SEM NATURA	SCARA	TITLU PROIECT
SEF PROIECT		ing. Berar D		1:100	MODERNIZARE DJ 110 A ARCHID- LIM. JUD. SATU MARE, KM12+500-13+430
PROCESAT		ing. Boncidai M		DATA	FAZA
VERIFICAT		ing. Bolba S		05.2015	PTh+DE
APROBAT		ing. Ghiurco M			PLANSĂ NR. PTTr-3

# PROFIL TRANSVERSAL TIP SC 1:50

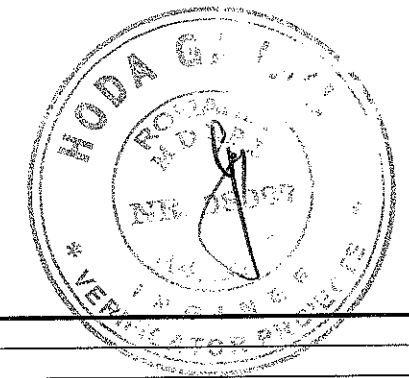
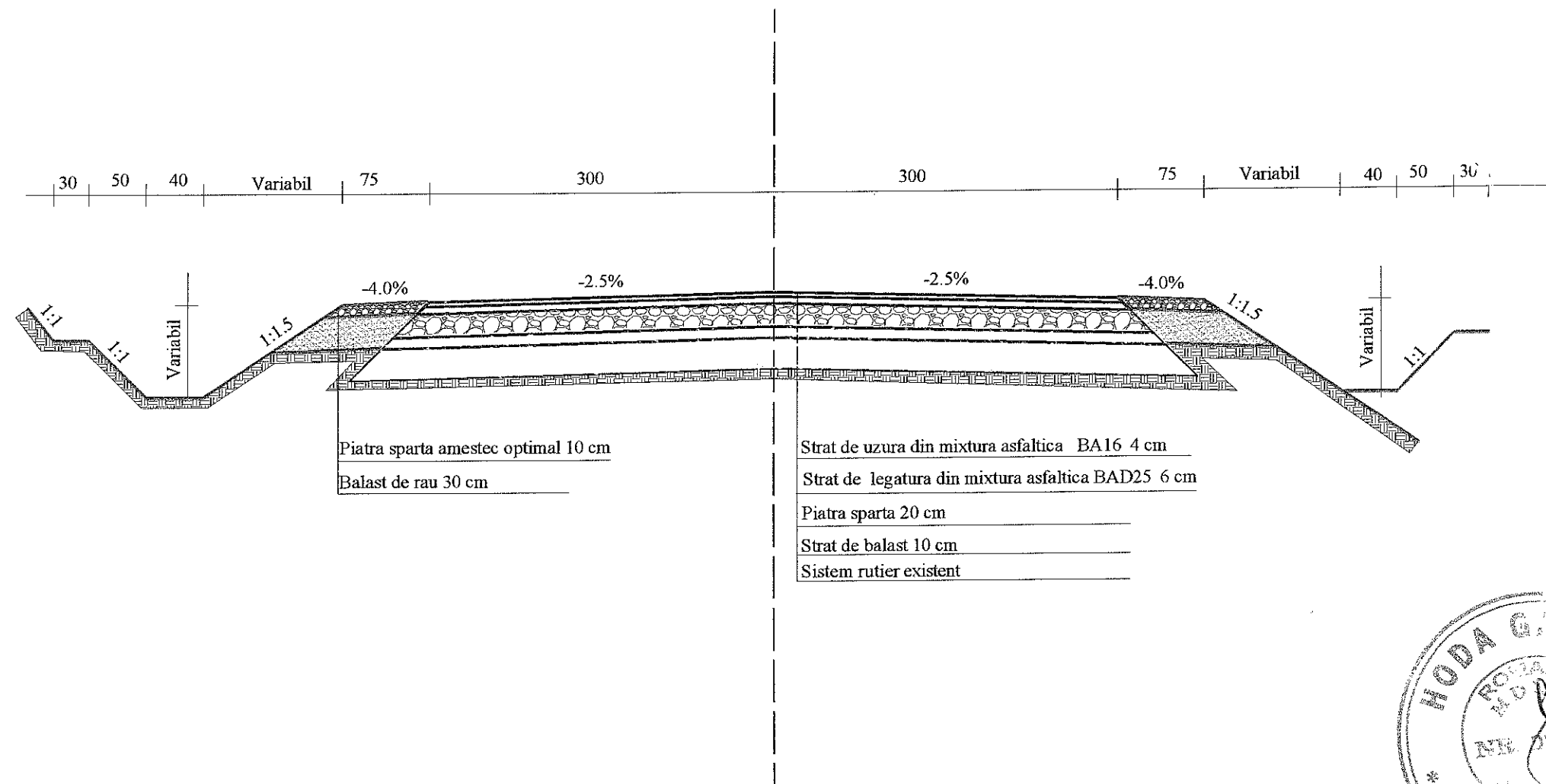
SE aplica inre Km 12+500-12+750



VERIFICATOR	NUME	SEMNTURA	REFERAT/EXPERTIZA NR./DATA
PROIECTANT	<b>CONSILIUL JUDETEAN SALAJ</b> <b>DIRECTIA TEHNICA</b> ZALAU, P-ta 1 decembrie 1918, Nr.12		<b>BENEFICIAR</b> <b>CONSILIUL JUDETEAN SALAJ</b> ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE	NUMELE	SEMNTURA	SCARA
SEF PROIECT	Ing.Berard D		1:50
PROCESAT	Ing.Bonclai M		DATA
VERIFICAT	teh.Olah R		05.2015
APROBAT	Ing.Ghiurco M		
TITLU PROIECT			FAZA
MODERNIZARE DJ 110 A ARCHID-LIM.JUD. SATU MARE, KM12+500-13+430			PTH+DE
TITLU PLANSA			PLANSĂ NR.
PROFIL TRANSVERSAL TIP			PTip-1

# PROFIL TRANSVERSAL TIP SC 1:50

SE aplica inre Km 12+750-13+430

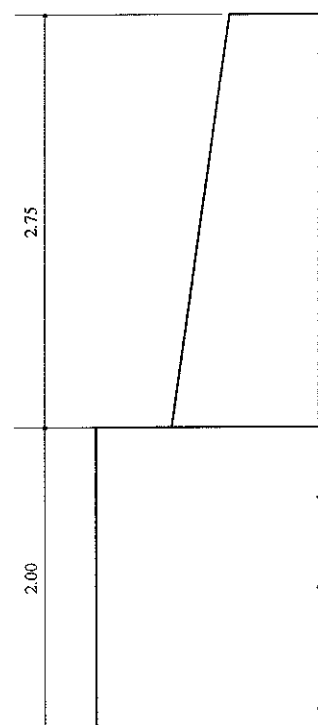
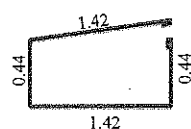


VERIFICATOR	NUME	SEMNAURA	REFERAT/EXPERTIZA NR./DATA
PROIECTANT	<b>CONSILIUL JUDETEAN SALAJ</b> <b>DIRECTIA TEHNICA</b> ZALAU, P-ta 1decembrie 1918, Nr.12		<b>BENEFICIAR</b> <b>CONSILIUL JUDETEAN SALAJ</b> ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE	NUMELE	SEMNAURA	SCARA
SEF PROIECT	Ing. Berar D		1:50
PROCESAT	Ing. Boncidai M		DATA
VERIFICAT	Ing. Bolba S		05.2015
APROBAT	Ing. Ghiurco M		
TITLU PROIECT			MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430
TITLU PLANSA			PROFIL TRANSVERSAL TIP
PROIECT Nr.			9/2015
FAZA			PTH+DE
PLANSĂ Nr.			PTip-2

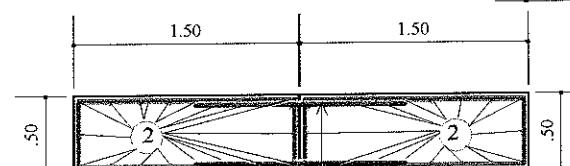
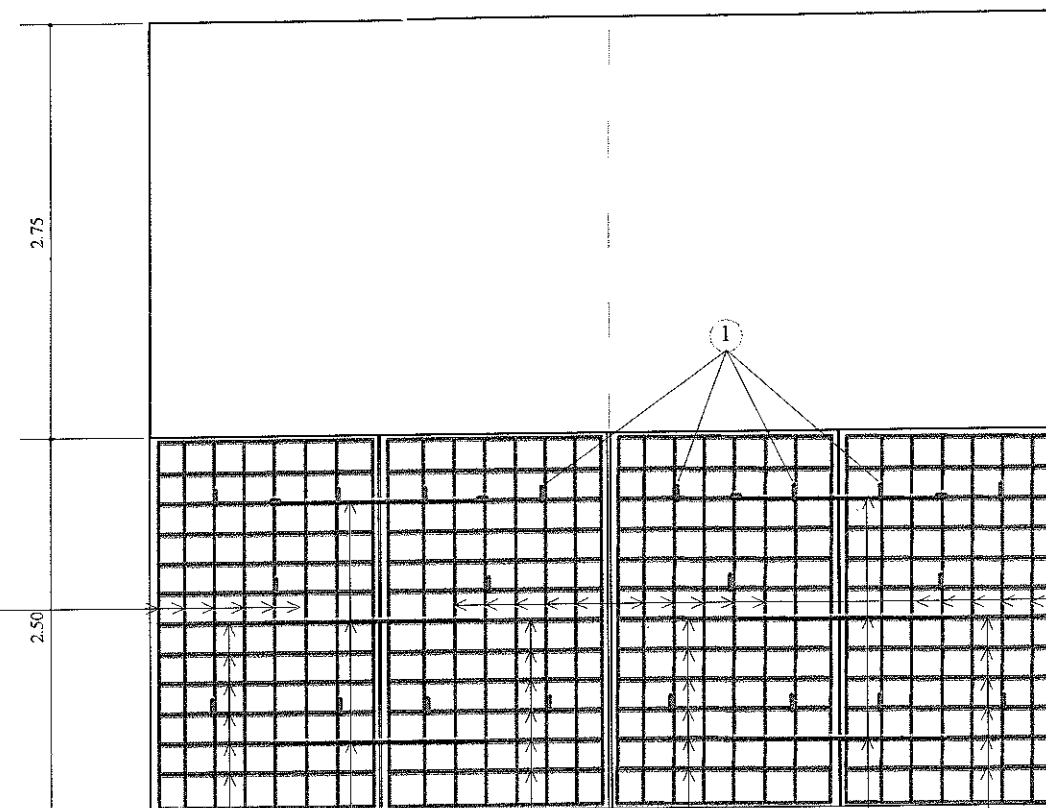
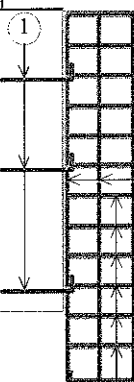


3 OB 37 Ø 10 L=3.90m

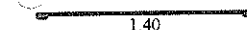
1 PC 52 O 16 L=0.55m



2 OB 37 Ø 10 L=2.60m

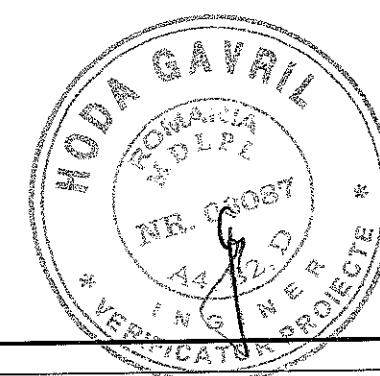


4 OB 37 Ø 10 L=1.55m



# EXTRAS DE ARMATURA PENTRU ARMARE ROST FUNDATIE ELEVATIE CULEE

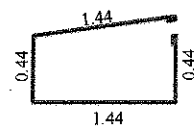
Marca	Diametru [mm]	Lungime pe diametru [m]	Nr. buc.	Lungimi pe o [mm]	
				OB 37 O 10	PC 52 O 16
1	16	0.55	20		11.00
2	16	2.60	72	187.20	
3	10	3.90	52	202.80	
4	10	1.55	18	27.90	
Total lungimi pe diametru				417.90	11.00
Masa pe metru [kg/m]				0.617	1.578
Masa pe diametru [kg]				257.84	17.36
Masa totala pe marca de otel				275.20 Kg	
TOTAL				275.20 x 2 =550.40 Kg	



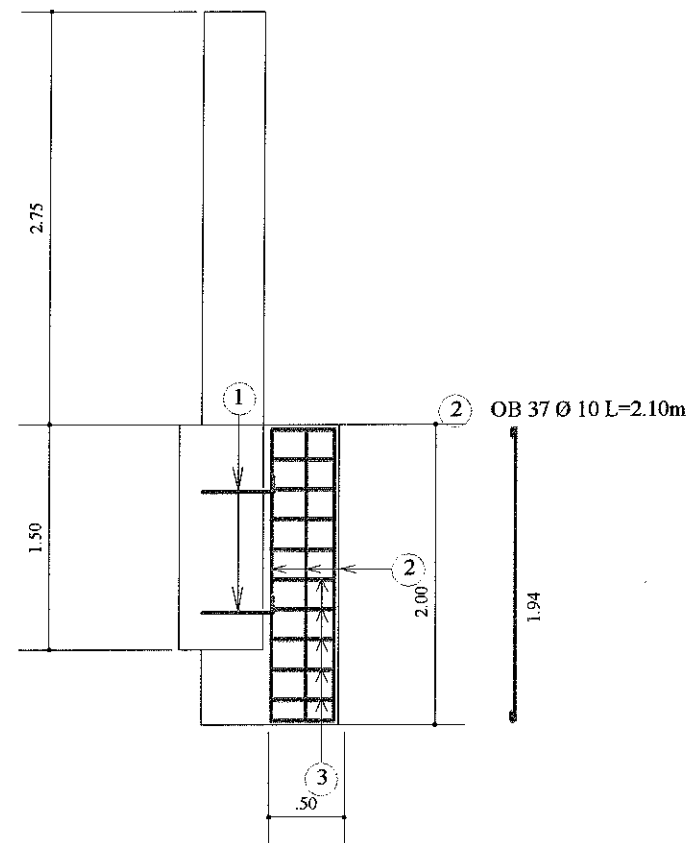
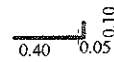
VERIFICATOR	NUME	SEM NATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1decembrie 1918, Nr.12		BENEFICIAR	PROIECT Nr.
			CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	9/2015
SPECIFICATIE	NUMELE	SEM NATURA	SCARA	TITLU PROIECT
SEF PROIECT	Ing.Berar D		1:50	MODERNIZARE DJ 110 A ARCHID- LIM.JUD. SATU MARE, KM12+500-13+430
PROCESAT	Ing.Boncida M		DATA	FAZA
	teh.Olah R		05.2015	PTh+DE
VERIFICAT	Ing.Bolba S			TITLU PLANSA
APROBAT	Ing.Ghiurco M			DETALIU ARMARE CAMASUTALA FUNDATII CULEI
				PLANSĂ Nr. Pp-3



③ OB 37 Ø 10 L=3.91m

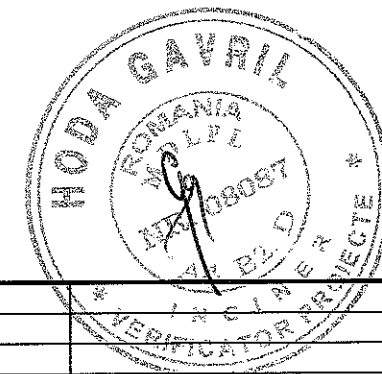
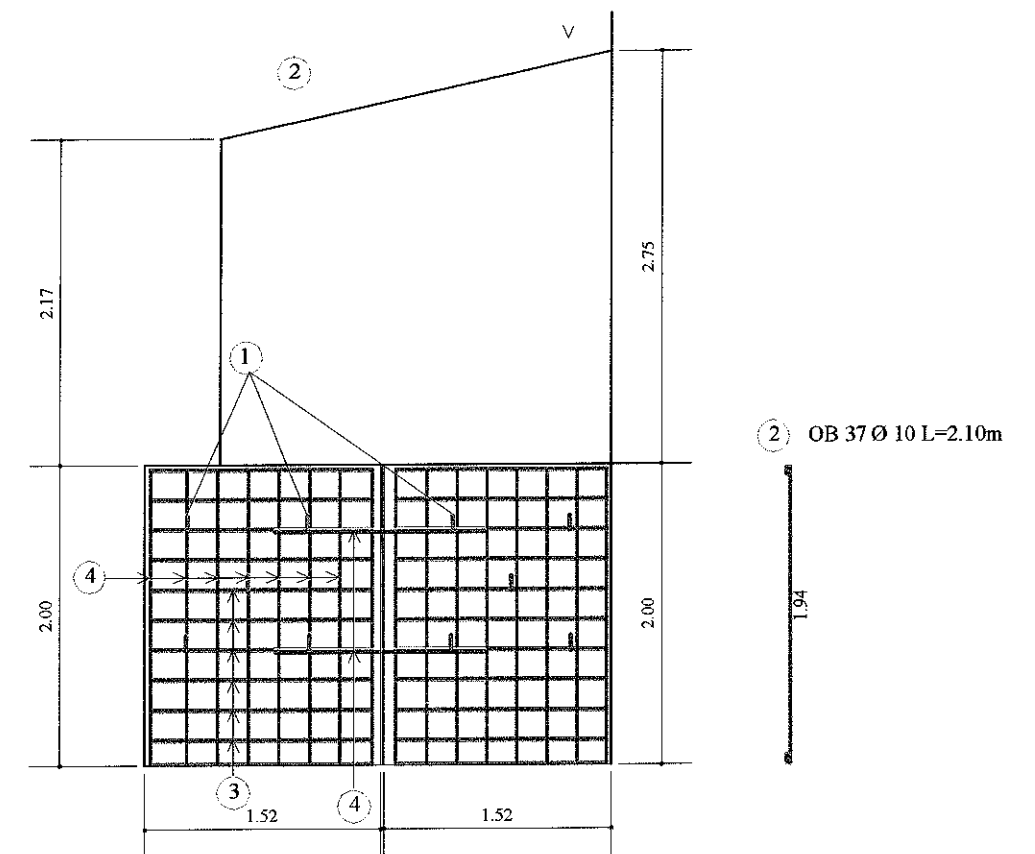


① PC 52 O 16 L=0.55m



# EXTRAS DE ARMATURA PENTRU ARMARE ROST FUNDATIE ELEVATIE

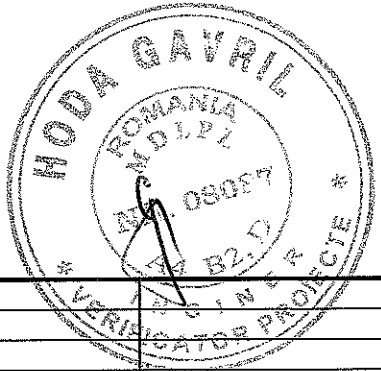
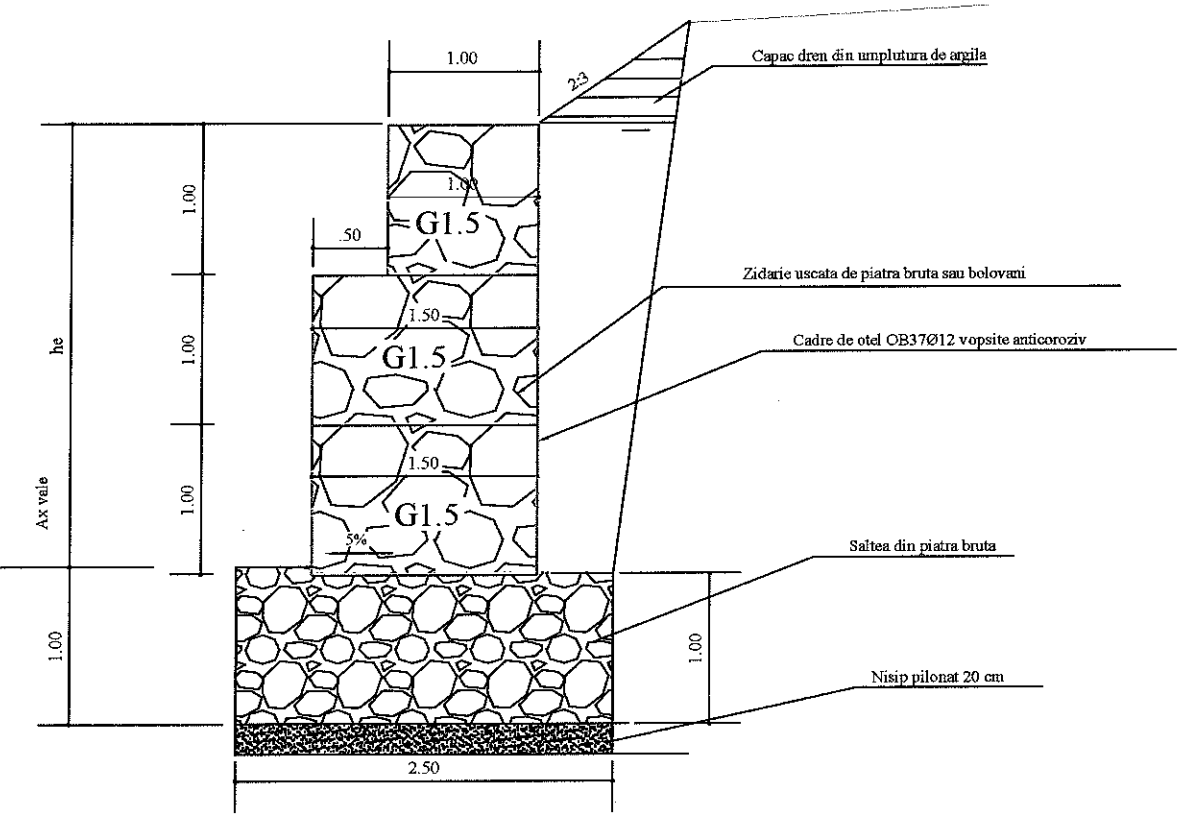
Marca	Diametru [mm]	Lungime pe diametru [m]	Nr. buc.	Lungimi pe o [mm]	
				OB 37 O 10	PC 52 O 16
1	16	0.55	10		5.50
2	10	2.10	36	75.60	
3	10	3.91	22	86.02	
4	10	1.55	4	6.20	
Total lungimi pe diametru				167.82	5.50
Masa pe metru [kg/m]				0.617	1.578
Masa pe diametru [kg]				103.54	8.68
Masa totala pe marca de otel				112.22 Kg	
TOTAL				112.22 x 4 =449 Kg	


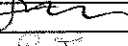
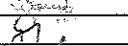

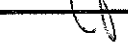


VERIFICATOR	NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR	PROIECT Nr.
			CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12	9/2015
SPECIFICATIE	NUMELE	SEMNATURA	SCARA	TITLU PROIECT
SEF PROIECT	Ing. Berar D		1:50	MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430
PROCESAT	Ing. Boncidal M		DATA	FAZA
	teh. Olah R		05.2015	PTH+DE
VERIFICAT	Ing. Bolba S			TITLU PLANSA
APROBAT	Ing. Ghiurco M			DETALIU ARMARE CAMASUTALA FUNDATIE ARIPI
				PLANSĂ Nr. Pp-4

SECTIUNE TRANSVERSALA

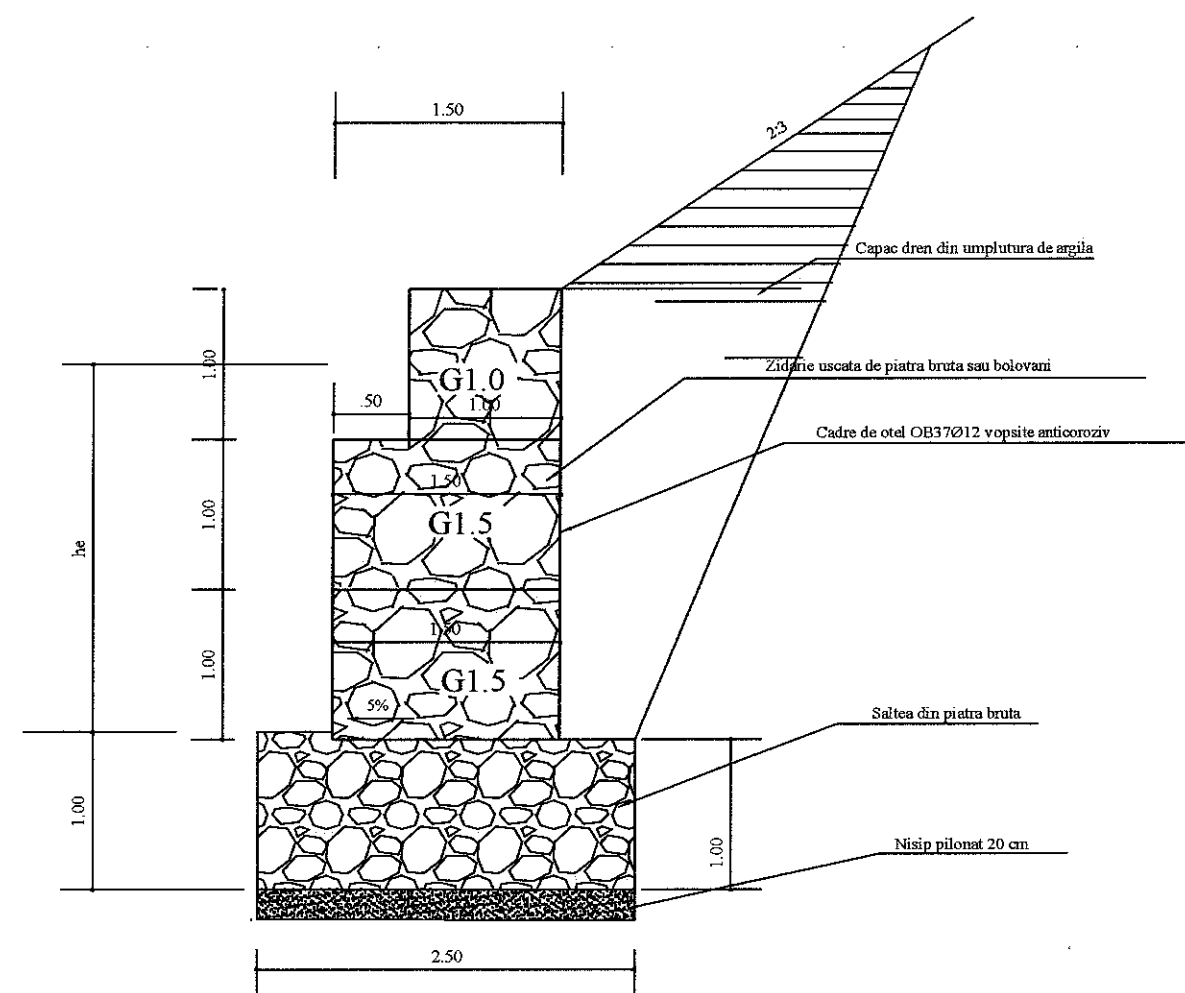
Scara 1:50



VERIFICATOR		NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA	
PROIECTANT		BENEFICIAR		PROIECT Nr.	
		<b>CONSILIUL JUDETEAN SALAJ</b> DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		<b>CONSILIUL JUDETEAN SALAJ</b> ZALAU, P-ta 1 Decembrie 1918, Nr.12	
SPECIFICATIE		NUMELE	SEMNATURA	SCARA	FAZA
SEF PROIECT		Ing. Berar D		1:50	PTH+DE
PROCESAT		Ing. Boncidai M		DATA	
VERIFICAT		Ing. Bolba S		05.2015	
APROBAT		Ing. Ghiurco M			
TITLU PROIECT				PLANSA Nr.	
MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430				Pp-5	
TITLU PLANSA					
SECTIUNE TRANSVERSALA GABIOANE					

# SECTIUNE TRANSVERSALA

Scara 1:50



## TABEL CU ELEMENTE GEOMETRICE SI CANTITATI PENTRU 1ML LUCRARE.

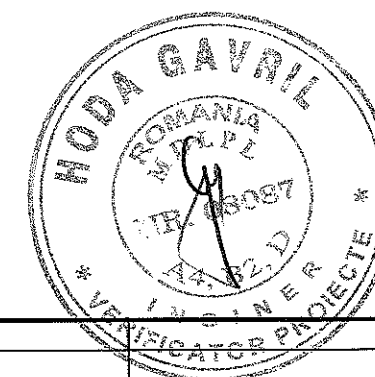
## TABEL DE CANTITATI PENTRU UN GABION

TIP GABION		Dimensiuni	Zidarie uscata din piatra bruta sau bolovani de riu
	m	m	m³
G1.0	1	1.0x1.0x4.0	4.0
g1.0	1	1.0x1.0x2.0	2.0
G1.5	1.5	1.0x1.5x4.0	6.0
g1.5	1.5	1.0x1.5x2.0	3.0

# ELEVATIE

Scara 1:100

G1.0	g1.0	1.00
g1.5	G1.5	1.00
G1.5	g1.5	1.00
Fundatie din piatra bruta		1.00
Nisip pilonat		2.00
4.00	2.00	

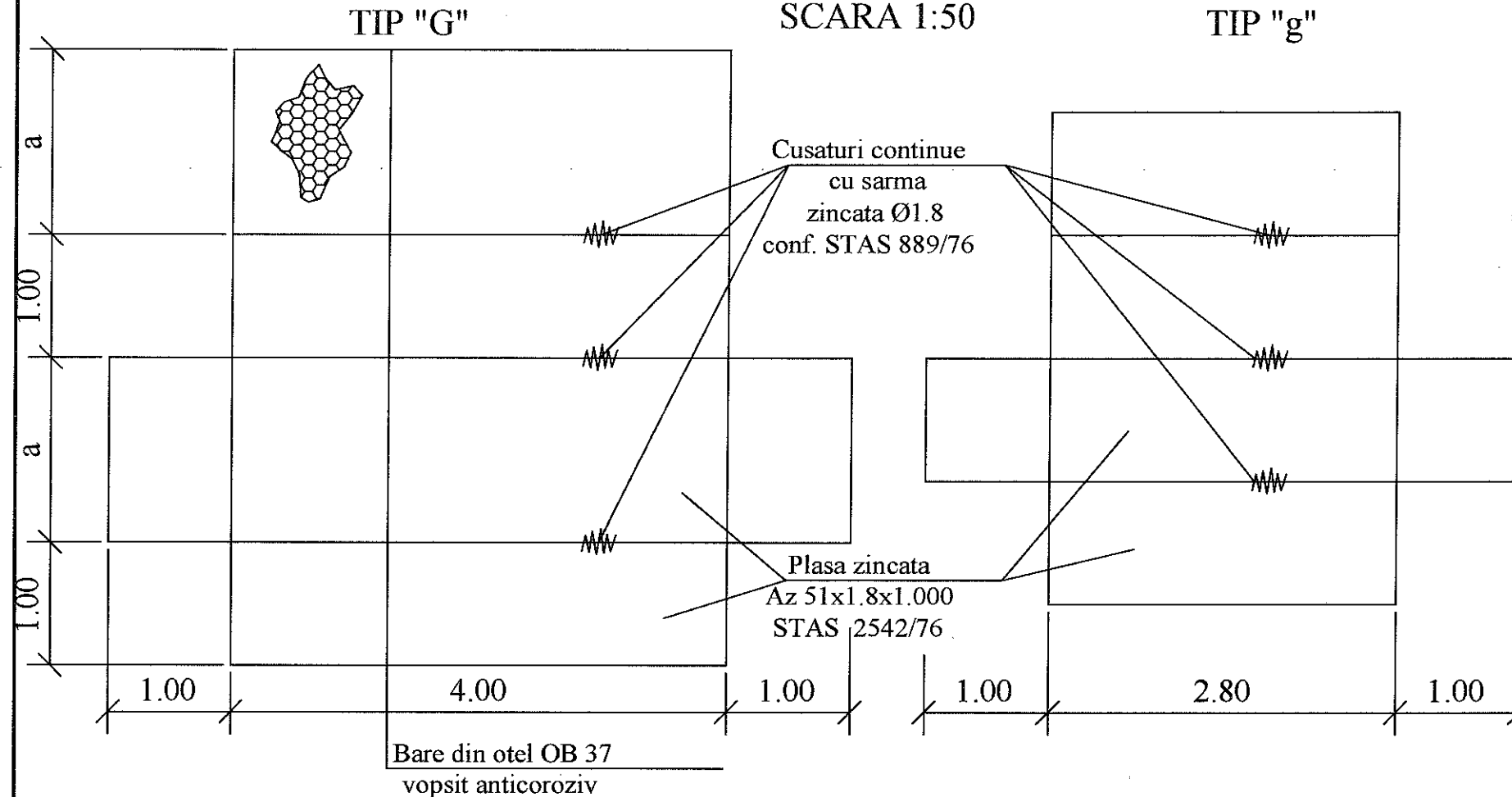


VERIFICATOR	NUME	SEMNATURA	REFERAT/EXPERTIZA NR./DATA
PROIECTANT	CONSILIUL JUDETEAN SALAJ DIRECTIA TEHNICA ZALAU, P-ta 1 decembrie 1918, Nr.12		BENEFICIAR CONSILIUL JUDETEAN SALAJ ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE	NUMELE	SEMNATURA	SCARA
SEF PROIECT	Ing. Berar D		1:50
PROCESAT	Ing. Boncidal M		DATA
VERIFICAT	Ing. Bolba S		05.2015
APROBAT	Ing. Ghiurco M		
TITLU PROIECT			MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430
TITLU PLANSA			SECTIUNE TRANSVERSALA-VEDERE LATERALA
PROIECT Nr.			9/2015
FAZA			PTH+DE
PLANSĂ Nr.			Pp-6

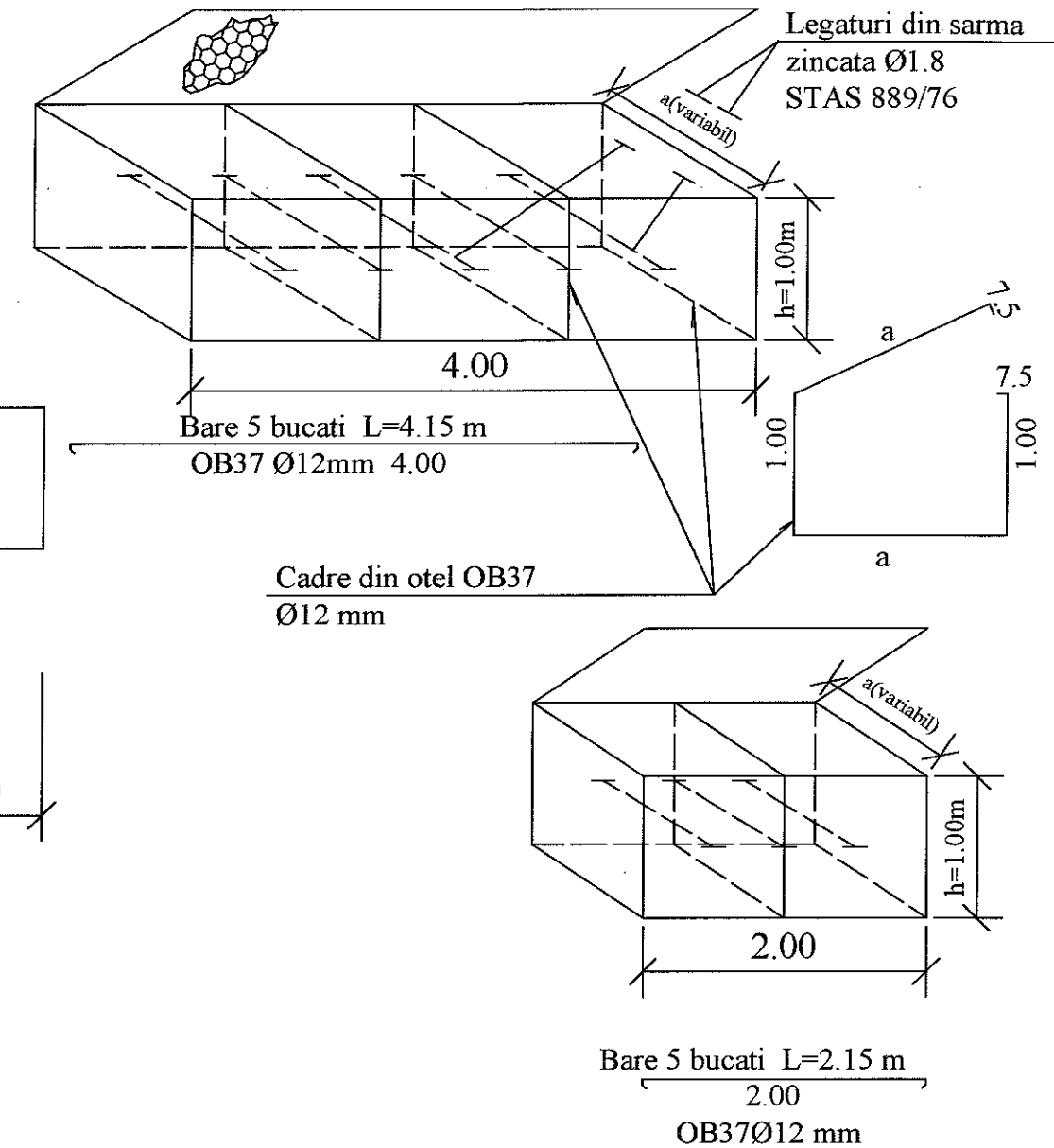
# GABIOANE DESFASURATE

SCARA 1:50

TIP "g"

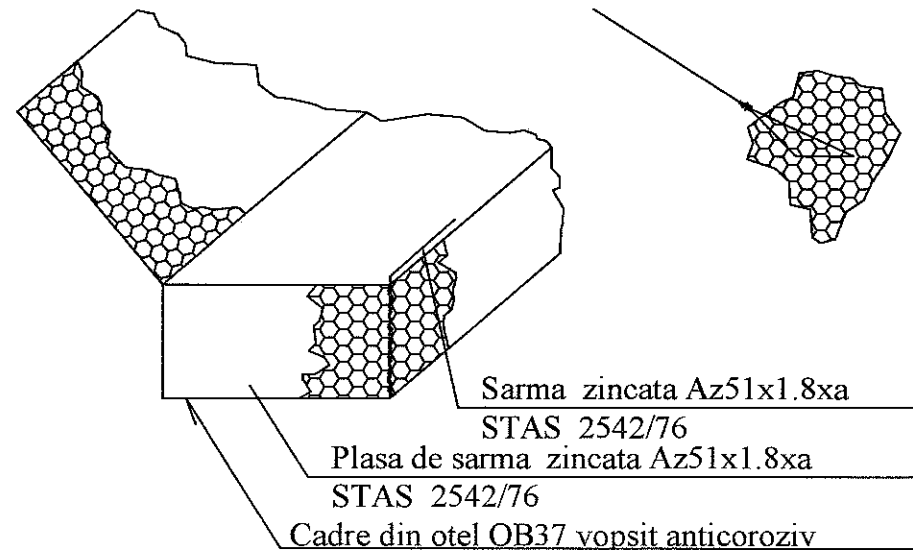


# VEDERE IN PERSPECTIVA



## DETALII DE CUSATURI LA GABION

## DETALIU DE EXECUTIE A LEGATURILOR



1. Plasa de sarma zincata Ø1.8mm cu ochiuri hexagonale Az51x1.8xa(mm) g=0.97/mp STAS2543/76
2. Otel OB37 Ø12 vopsit anticoroziv g=0.888kg/ml
3. Sarma zincata Ø1.8 mm STAS 889/76

CUTIE GABION	l	h	a	TIP	PLASA ZINCATA			OTEL BETON			Sarma zincata	
					L	S	G	cadre	bare	O12	m	kg
TIP G 1 1X0.5X4	4	1	1	Az51x1.8x1000	18.0	18.0	17.5	16.6	20.8	37.4	33.20	1.4
TIP g1 1X1X2	2	1	1	Az51x1.8x1000	10.0	10.0	9.7	12.50	10.8	23.3	20.7	0.8
TIP G15 1X1.5X4	4	1.5	1.5	Az51x1.8x1000	8.0	23	22.3	20.6	20.8	41.4	36.7	1.6
TIP g15 1.5X1X2	2	1.5	1.5	Az51x1.8x1000	7.00	13.00	12.61	15.45	12.00	27.45	24.37	1.2

VERIFICATOR	NUME	SEMNTURA	REFERAT/EXPERTIZA NR./DATA
PROIECTANT	CONSILIUL JUDETEAN SALAJ	DIRECTIA TEHNICA	BENEFICIAR
	ZALAU, P-ta 1 decembrie 1918, Nr.12		CONSILIUL JUDETEAN SALAJ
			ZALAU, P-ta 1 Decembrie 1918, Nr.12
SPECIFICATIE	NUMELE	SEMNTURA	SCARA
SEF PROIECT	Ing. Berar D		1:50
PROCESAT	Ing. Boncidai M		DATA
	teh. Olah R		05.2015
VERIFICAT	Ing. Bolba S		
APROBAT	Ing. Ghiurco M		
TITLU PROIECT	MODERNIZARE DJ 110 A ARCHID-LIM. JUD. SATU MARE, KM12+500-13+430		FAZA
TITLU PLANS	SECTIUNE -VEDERE CADRU GABION		PTH+DE
			PLANS Nr. Pp-7