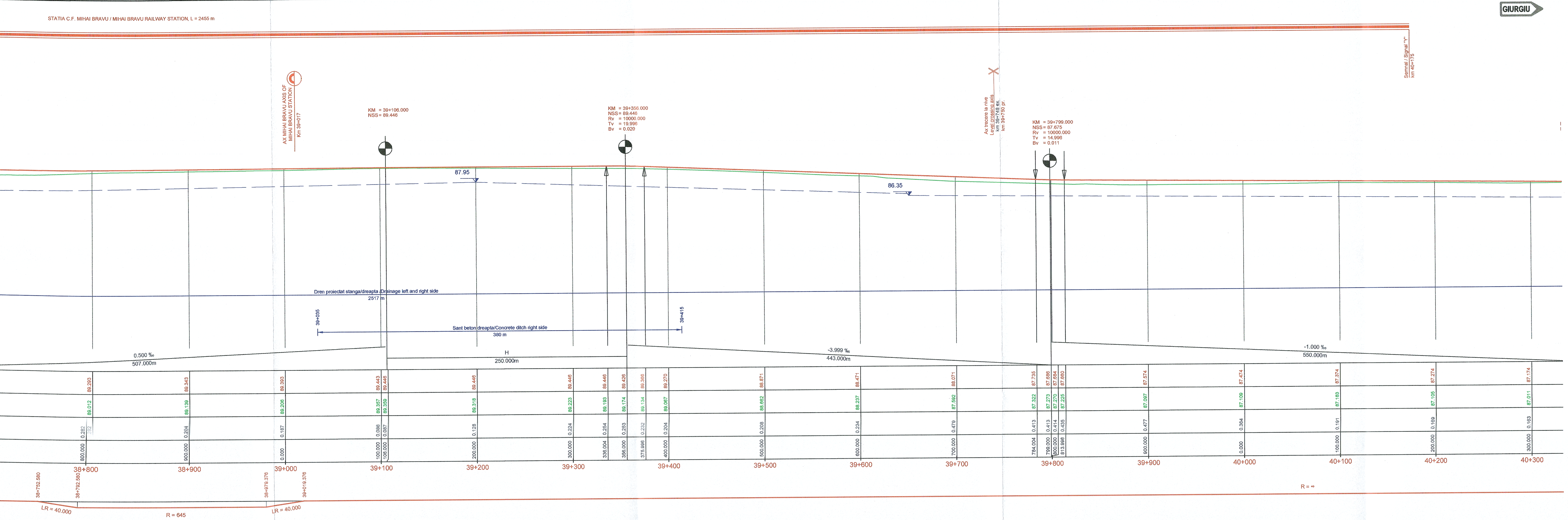

STATIA C.F. MIHAI BRAVU / MIHAI BRAVU RAILWAY STATION, L = 2455 m
AX MIHAI BRAVU AXIS OF MIHAI BRAVU STATION Km 39+017
KM = 39+106.000
NSS = 89.446
KM = 39+356.000
NSS = 89.446
Rv = 10000.000
Tv = 19.996
Bv = 0.020
Ax trecere la nive Level crossing axis km 39+748 ex. km 39+750 pr.
KM = 39+799.000
NSS = 87.675
Rv = 10000.000
Tv = 14.996
Bv = 0.011
Semnal / Signal "Y" km 40+175
GIURGIU
87.95
86.35
Dren proiectat stanga/dreapta /Drainage left and right side
2517 m
39+035
39+415
Sant beton dreapta/Concrete ditch right side
380 m
0.500 ‰
507.000m
H
250.000m
-3.999 ‰
443.000m
-1.000 ‰
550.000m
38+800
38+900
39+000
39+100
39+200
39+300
39+400
39+500
39+600
39+700
39+800
39+900
40+000
40+100
40+200
40+300
38+752.580
38+792.580
38+979.376
39+019.376
LR = 40.000
R = 645
LR = 40.000
R = ∞

89.293	89.343	89.393	89.443	89.446	89.446	89.446	89.446	89.426	89.366	89.270	88.871	88.471	88.071	87.735	87.686	87.684	87.660	87.574	87.474	87.374	87.274	87.174
89.012	89.139	89.206	89.357	89.359	89.318	89.223	89.193	89.174	89.134	89.067	88.662	88.237	87.592	87.322	87.273	87.270	87.225	87.097	87.109	87.183	87.105	87.011
0.282	0.204	0.187	0.086	0.087	0.128	0.224	0.254	0.253	0.232	0.204	0.208	0.234	0.479	0.413	0.413	0.414	0.435	0.477	0.364	0.191	0.169	0.163
800.000	900.000	0.000	100.000	106.000	200.000	300.000	336.004	356.000	375.996	400.000	500.000	600.000	700.000	784.004	799.000	800.000	813.996	900.000	0.000	100.000	200.000	300.000

LEGENDA / LEGEND

NSS	nivel superior sina top of rail
AR	aliniament-racordare, punctul de trecere din aliniament in curba progresiva tangent to spiral, transition point from tangent to spiral
RC	racordare-curba, punctul de trecere din curba progresiva in curba circulara spiral to curve, transition point from spiral to circular curve
CR	curba-racordare, punctul de trecere din curba circulara in curba progresiva curve to spiral, transition point from circular curve to spiral
RA	racordare-aliniament, punctul de trecere din curba progresiva in aliniament spiral to tangent, transition point from spiral curve to tangent
Ti	tangenta de intrare point of change from tangent to circular curve
Te	tangenta de iesire point of change from circular curve to tangent
TC	punct de tangenta comuna intre doua curbe circulare common tangent point between two circular curves
R	raza curbei circulare, in m radius of circular curve, in m
LR	lungimea curbei progresive, in m length of spiral, in m
Rv	raza curbei de racordare in plan vertical, in m radius of vertical curve, in m
Bv	bisectoarea curbei de racordare in plan vertical, in m bisector of vertical curve, in m
Tv	tangenta curbei de racordare din plan vertical, in m tangent of vertical curve, in m

- Ax statie / Station axis
- Ax P.O. / Stopping point axis
- Trecere la nivel proiectata / Designed level crossing
- Trecere la nivel existenta / Existing level crossing
- Pod proiectat / Designed bridge
- Podet proiectat / Designed culvert
- Pasaj superior existent / Existing overpass
- Pasarela pietonala / Designed footbridge

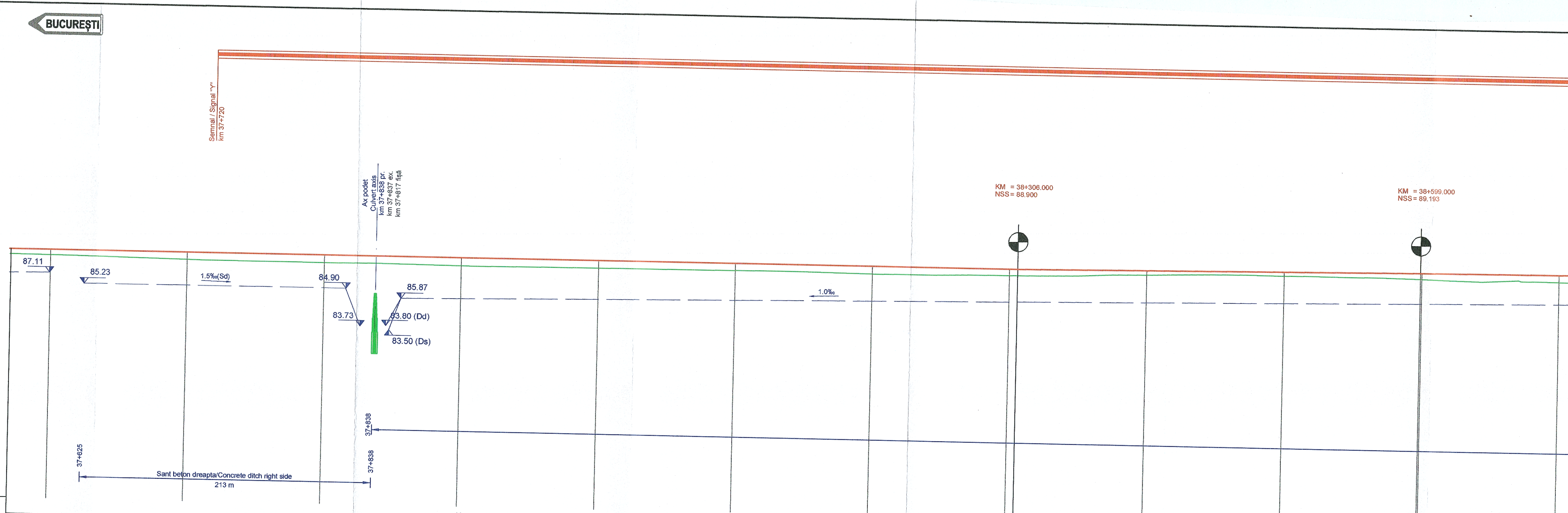
PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT
UNIUNEA EUROPEANĂ

GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

Instrumente Structurale 2014-2020

BENEFICIAR BENEFICIARY:	COMPANIA NAŢIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE:	BAICONS Impex SRL J40/9877/2001 & acciona Ingeniería INGENIERIA ESPECIALIZADA OBRA CIVIL E INDUSTRIAL SA J40/20534/2004
DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE:	*MODERNIZAREA INFRASTRUCTURII DE CALE FERATĂ DINTRE STAŢIILE CF BUCUREŞTI NORD - JILAVA - GIURGIU NORD - GIURGIU NORD FRONTIERĂ* *MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER*

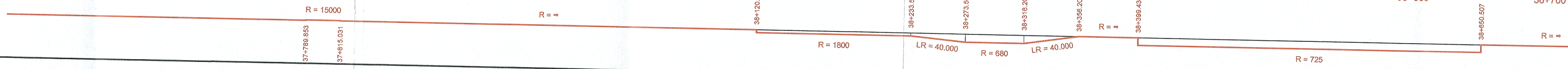
	NUME/NAME	SEMNATURA/ SIGNATURE	SPECIALITATE/ SPECIALITY	INFRASTRUCTURA SI SUPRASTRUCTURA CF INFRASTRUCTURE AND SUPRASTRUCTURE RAILWAY
PROIECTANT/ DESIGNER	ing. Mariana POPESCU		DENUMIRE PLAN/ DRAWING TITLE	**PROFIL LONGITUDINAL - km 37+600 - 40+300** **LONGITUDINAL PROFILE - km 37+600 - 40+300** **Scenariul 1a / Scenario 1a**
EXPERT CHEIE/ KEY EXPERT	dr.ing. Laurentiu MARCULESCU			
MP/PM	ing. Marin BAICU			
DATA/DATE: 06.2023		SCARA/SCALE: 1:2000/1:200	EXEMPLAR NR./ EXEMPLARY NO. 1	COD PLAN/ CODIFICATION SYSTEM: **Linia 103 / Line 103** SF 207 002 16 Ts02 22 04


BUCUREȘTI
Semnal / Signal "Y"
km 37+720
Ax podet
Culvert axis
km 37+838 pr.
km 37+837 ex.
km 37+817 fișă
KM = 38+306.000
NSS = 88.900
KM = 38+599.000
NSS = 89.193
87.11
85.23
1.5‰(Sd)
84.90
83.73
85.87
83.80 (Dd)
83.50 (Ds)
1.0‰
37+838
37+625
37+838
Sant beton dreapta/Concrete ditch right side
213 m

Plan de referință 71.00m

	37+600	37+700	37+800	37+900	38+000	38+100	38+200	38+300		38+400	38+500	38+600		38+700
Declivitati ‰ Lungimi (m)	H 808.000m								1.000 ‰ 293.000m					
Nivel superior sina - linia proiectata (in curbe pe firul interior)	88.900	88.900	88.900	88.900	88.900	88.900	88.900	88.900	88.900	88.994	89.094	89.193	89.193	89.243
Nivel superior sina existenta (Nivel teren existent)	88.503	88.366	88.323	88.307	88.338	88.374	88.335	88.430	88.435	88.672	88.805	88.759	88.757	88.723
Diferente pe verticala (m) intre NSS proiectat si NSS existent	0.397	0.534	0.577	0.593	0.562	0.526	0.565	0.470	0.465	0.322	0.289	0.433	0.437	0.521
Kilometraj	600.000	700.000	800.000	900.000	0.000	100.000	200.000	300.000	306.000	400.000	500.000	599.000	600.000	700.000

Diagrama curburii
S 200/R [cm]


R = 15000
37+789.853
37+815.031
R = ∞
38+120.429
R = 1800
38+233.566
LR = 40.000
38+273.566
R = 680
38+316.202
LR = 40.000
38+356.202
R = ∞
38+399.436
R = 725
38+650.507
R = ∞