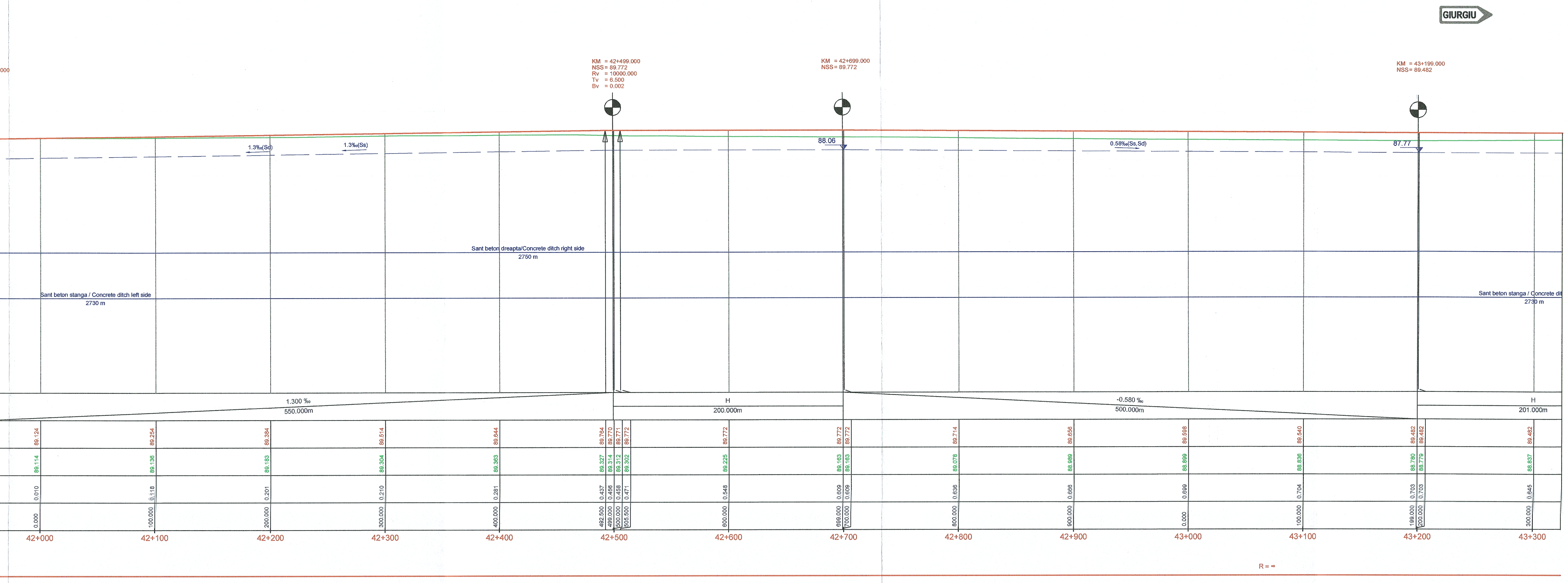

GIURGIU
KM = 42+499.000
NSS = 89.772
Rv = 10000.000
Tv = 6.500
Bv = 0.002
KM = 42+699.000
NSS = 89.772
KM = 43+199.000
NSS = 89.482
1.3‰(Sd)
1.3‰(Ss)
88.06
0.58‰(Ss,Sd)
87.77
Sant beton dreapta/Concrete ditch right side
2750 m
Sant beton stanga / Concrete ditch left side
2730 m
Sant beton stanga / Concrete dit
2730 m
1.300 ‰
550.000m
H
200.000m
-0.580 ‰
500.000m
H
201.000m
89.124 89.114 0.010 0.000 42+000
89.254 89.136 0.118 100.000 42+100
89.384 89.183 0.201 200.000 42+200
89.514 89.304 0.210 300.000 42+300
89.644 89.363 0.281 400.000 42+400
89.764 89.327 0.437 492.500
89.770 89.314 0.456 499.000
89.771 89.312 0.458 500.000 42+500
89.772 89.302 0.471 505.500
89.772 89.225 0.548 600.000 42+600
89.772 89.163 0.609 699.000
89.772 89.163 0.609 700.000 42+700
89.714 89.078 0.636 800.000 42+800
89.656 88.989 0.666 900.000 42+900
89.598 88.899 0.699 0.000 43+000
89.540 88.836 0.704 100.000 43+100
89.482 88.780 0.703 199.000
89.482 88.779 0.703 200.000 43+200
89.482 88.837 0.645 300.000 43+300
R = ∞

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 NAȚIONALĂ 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: *MODERNIZAREA INFRASTRUCTURII DE CALE FERATĂ DINTRE STAȚIILE CF BUCUREȘTI NORD - JILAVA - GIURGIU NORD - GIURGIU NORD FRONTIERĂ*
PROJECT TITLE/ WORKS TITLE: *MODERNIZATION OF THE RAILWAY INFRASTRUCTURE BUCHAREST NORTH - JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER*

	NUME/NAME	SEMNATURA/ SIGNATURE
PROIECTANT/ DESIGNER	ing. Mariana POPESCU	
EXPERT CHEIE/ KEY EXPERT	dr.ing. Laurentiu MARCULESCU	
MP/PM	ing. Marin BAICU	
DATA/DATE: 06.2023		SCARA/SCALE: 1:2000/1:200

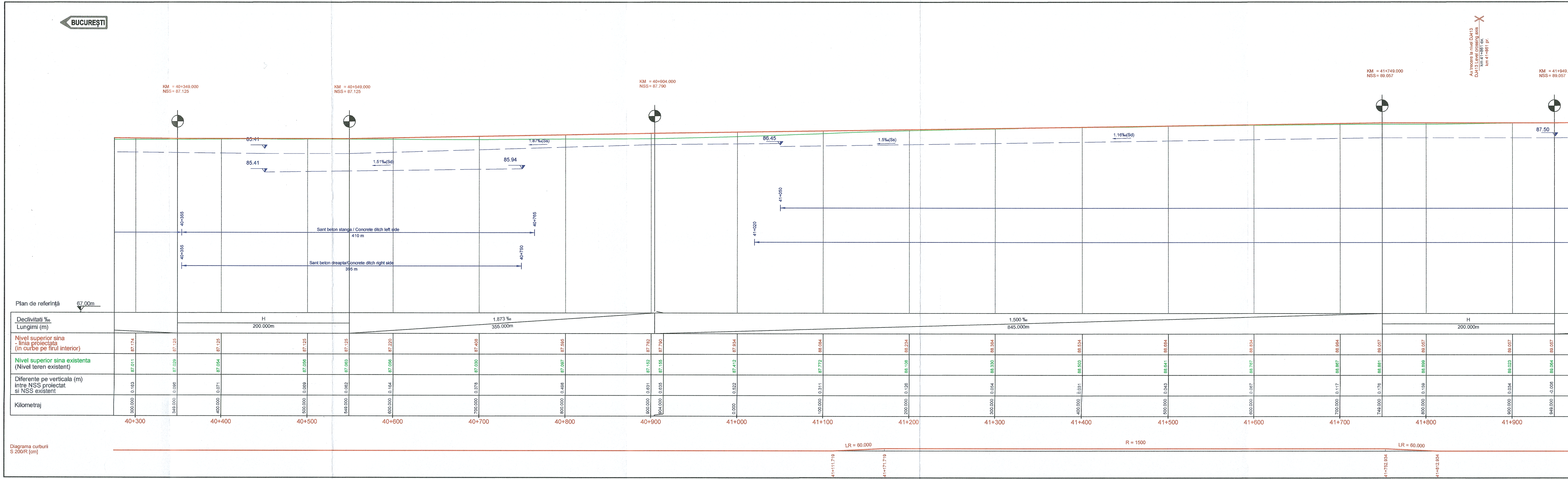
SPECIALITATE/ SPECIALITY: INFRASTRUCTURA SI SUPRASTRUCTURA CF
INFRASTRUCTURE AND SUPRASTRUCTURE RAILWAY

DENUMIRE PLAN/ DRAWING TITLE: **PROFIL LONGITUDINAL - km 40+300 - 43+300**
LONGITUDINAL PROFILE - km 40+300 - 43+300
Scenariul 1a / Scenario 1a
Linia 103 / Line 103

EXEMPLAR NR./ EXEMPLARY NO. 1

COD PLAN/ CODIFICATION SYSTEM:

SF	207	002	17	Ts02	23	04


BUCUREŞTI
KM = 40+349.000
NSS = 87.125
KM = 40+549.000
NSS = 87.125
KM = 40+904.000
NSS = 87.790
KM = 41+749.000
NSS = 89.057
KM = 41+949.
NSS = 89.057
Ax trecere la nivel DJ413
DJ413 Level crossing axis
km 41+861 ex.
km 41+861 pr.
85.41
85.41
1.51‰(Sd)
85.94
1.87‰(Ss)
86.45
1.5‰(Ss)
1.16‰(Sd)
87.50
40+355
40+765
Sant beton stanga / Concrete ditch left side
410 m
40+355
40+750
Sant beton dreapta/Concrete ditch right side
395 m
41+050
41+020
Plan de referinţă 67.00m
Declivitati ‰
Lungimi (m)
H
200.000m
1.873 ‰
355.000m
1.500 ‰
845.000m
H
200.000m
40+300
40+400
40+500
40+600
40+700
40+800
40+900
41+000
41+100
41+200
41+300
41+400
41+500
41+600
41+700
41+800
41+900
Diagrama curburii
S 200/R [cm]
LR = 60.000
R = 1500
LR = 60.000
41+111.719
41+171.719
41+752.934
41+812.934

Kilometraj	Nivel superior sina - linia proiectata (in curbe pe firul interior)	Nivel superior sina existenta (Nivel teren existent)	Diferente pe verticala (m) intre NSS proiectat si NSS existent
300.000	87.174	87.011	0.163
349.000	87.125	87.029	0.096
400.000	87.125	87.054	0.071
500.000	87.125	87.056	0.069
549.000	87.125	87.063	0.062
600.000	87.220	87.056	0.164
700.000	87.408	87.030	0.378
800.000	87.595	87.097	0.498
900.000	87.782	87.152	0.631
904.000	87.790	87.155	0.635
0.000	87.934	87.412	0.522
100.000	88.084	87.772	0.311
200.000	88.234	88.108	0.126
300.000	88.384	88.330	0.054
400.000	88.534	88.503	0.031
500.000	88.684	88.641	0.043
600.000	88.834	88.767	0.067
700.000	88.984	88.867	0.117
749.000	89.057	88.881	0.176
800.000	89.057	88.899	0.159
900.000	89.057	89.023	0.034
949.000	89.057	89.064	-0.006