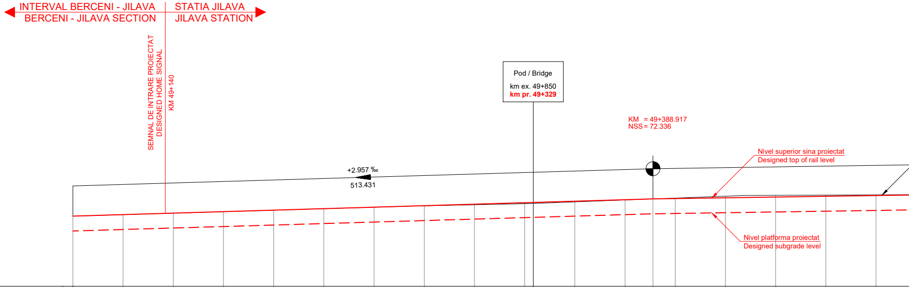

INTERVAL BERCENI - JILAVA
BERCENI - JILAVA SECTION
STATIA JILAVA
JILAVA STATION
SEMNAL DE INTRARE PROIECTAT
DESIGNED HOME SIGNAL
KM 49+140
Pod / Bridge
km ex. 49+850
km pr. 49+329
KM = 49+388.917
NSS = 72.336
+2.957 ‰
513.431
Nivel superior sina proiectat
Designed top of rail level
Nivel platforma proiectat
Designed subgrade level
68.0 m

Nivel superior sina proiectat (in curbe pe firul interior)	Designed top of rail level (in curves on inner rail)	71.482	71.556	71.630	71.704	71.778	71.851	71.925	71.999	72.073	72.147	72.160	72.221	72.295	72.336	72.353	72.390	72.428	72.465	72.503
Nivel platforma proiectat	Designed subgrade level	70.742	70.816	70.890	70.964	71.038	71.111	71.185	71.259	71.333	71.407	71.420	71.481	71.555	71.596	71.613	71.650	71.688	71.725	71.763
Nivel superior sina existent sau nivel teren existent	Existing top of rail level or existing ground level	71.479	71.553	71.626	71.700	71.774	71.847	71.921	71.990	72.046	72.102	72.112	72.190	72.284	72.336	72.378	72.472	72.514	72.526	72.537
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical differences (m) between designed TOR and existing TOR	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.009	0.027	0.046	0.048	0.031	0.011	0.000	-0.025	-0.082	-0.086	-0.060	-0.034
Kilometraj	Chainage	100.000	125.000	150.000	175.000	200.000	225.000	250.000	275.000	300.000	325.000	329.282	350.000	375.000	388.917	400.000	425.000	450.000	475.000	500.000

49+100 49+200 49+300 49+400 49+500

Diagrama curburii
Scara: 1000/R [cm]

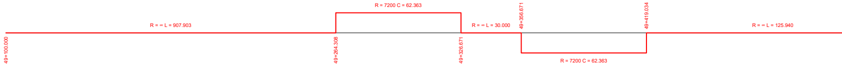
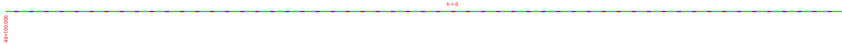
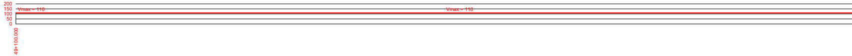

R = ∞ L = 907.903
R = 7200 C = 62.363
R = ∞ L = 30.000
R = 7200 C = 62.363
R = ∞ L = 125.940
49+100.000
49+264.308
49+326.671
49+356.671
49+419.034

Diagrama suprainaltarii
Scara: 0.1 x h [mm]

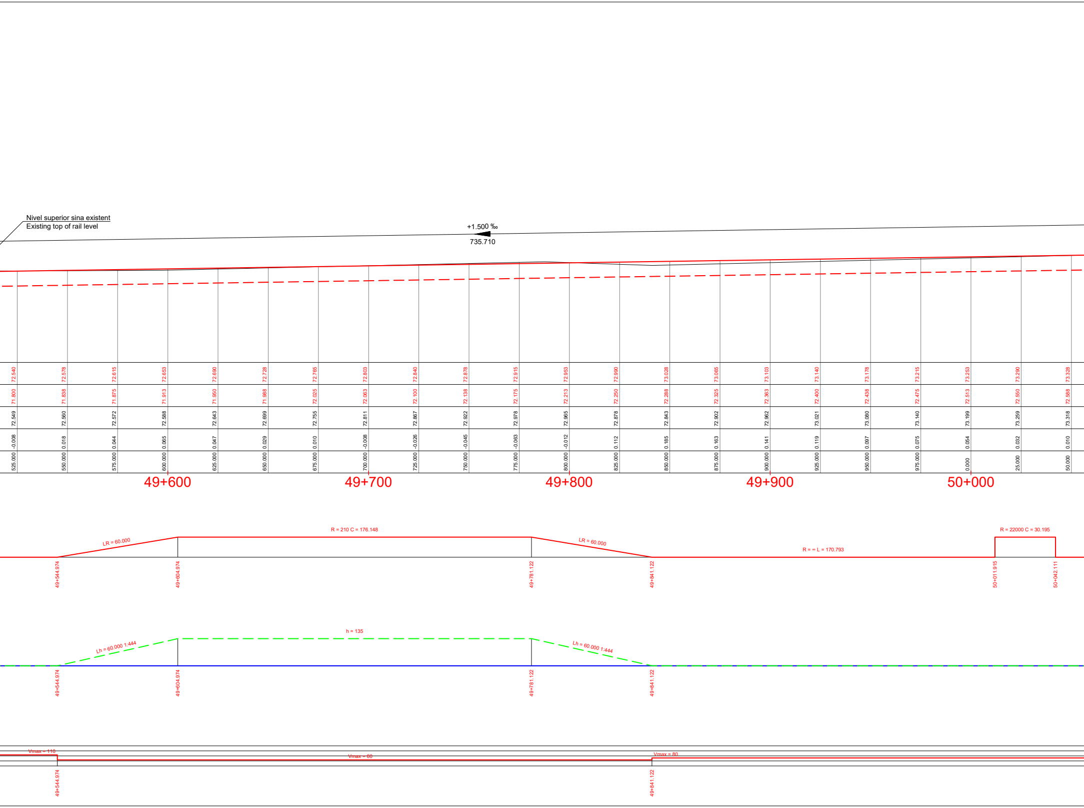

h = 0
49+100.000

Sina stanga — — —
Sina dreapta ———

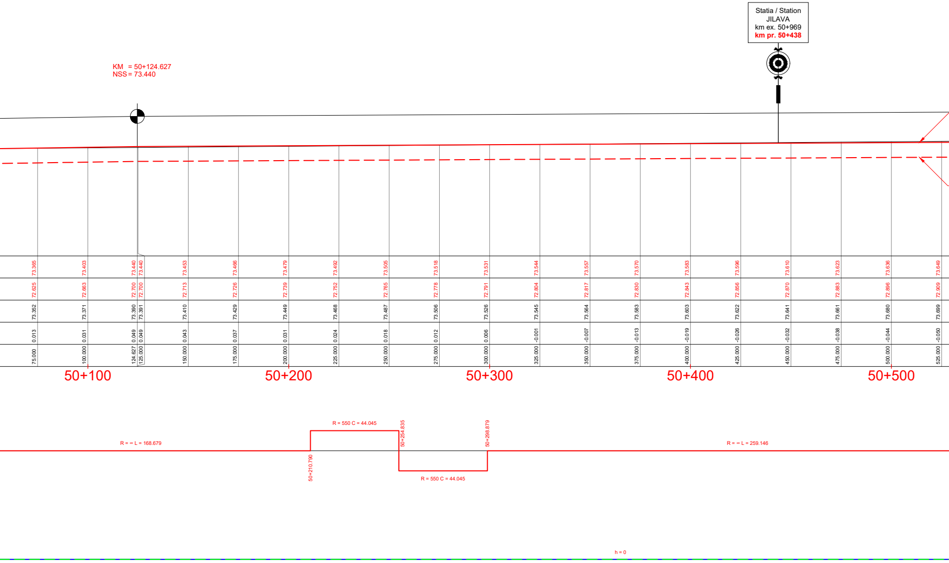
Diagrama vitezei
Scara: 0.05 x km/h [mm]


200
150
100
50
0
Vmax = 110
Vmax = 110
49+100.000

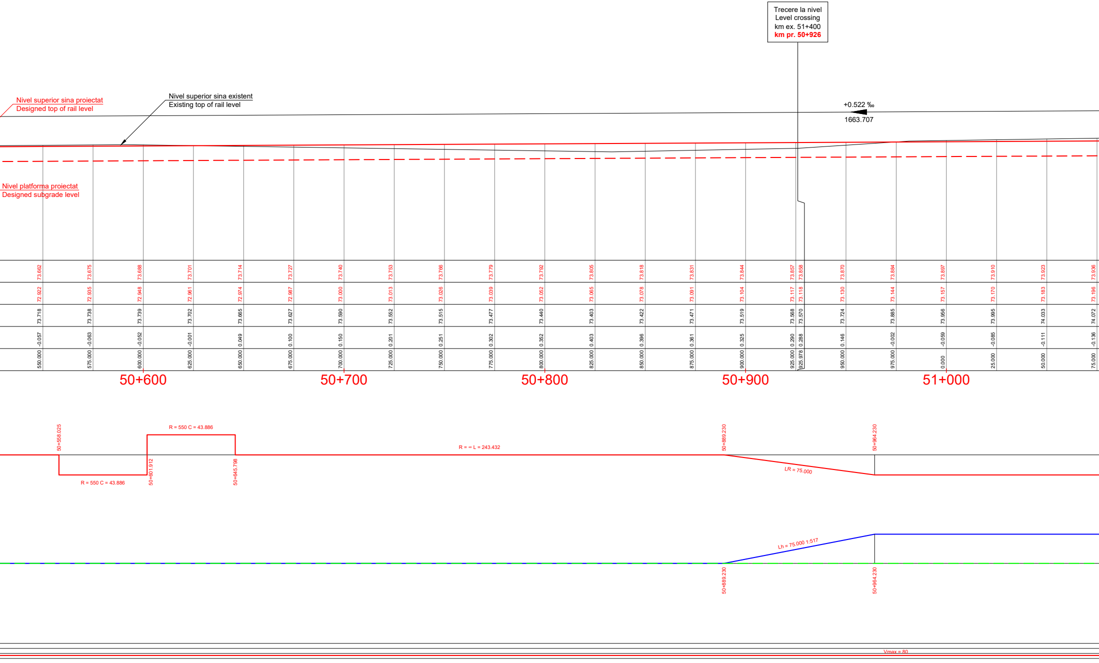
Vmax ———


Nivel superior sina existent
Existing top of rail level
+1.500 ‰
735.710
49+600
49+700
49+800
49+900
50+000
LR = 60.000
R = 210 C = 176.148
LR = 60.000
R = ∞ L = 170.793
R = 22000 C = 30.195
49+544.974
49+604.974
49+781.122
49+841.122
50+011.915
50+042.111
Lh = 60.000 1:444
h = 135
Lh = 60.000 1:444
49+544.974
49+604.974
49+781.122
49+841.122
Vmax = 110
Vmax = 60
Vmax = 80
49+544.974
49+841.122

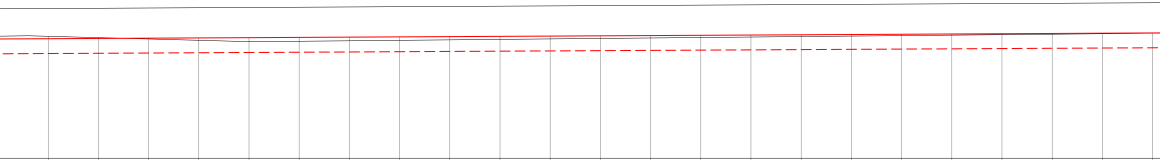
72.540	72.578	72.615	72.653	72.690	72.728	72.765	72.803	72.840	72.878	72.915	72.953	72.990	73.028	73.065	73.103	73.140	73.178	73.215	73.253	73.290	73.328
71.800	71.838	71.875	71.913	71.950	71.988	72.025	72.063	72.100	72.138	72.175	72.213	72.250	72.288	72.325	72.363	72.400	72.438	72.475	72.513	72.550	72.588
72.549	72.560	72.572	72.588	72.643	72.699	72.755	72.811	72.867	72.922	72.978	72.965	72.878	72.843	72.902	72.962	73.021	73.080	73.140	73.199	73.259	73.318
-0.008	0.018	0.044	0.065	0.047	0.029	0.010	-0.008	-0.026	-0.045	-0.063	-0.012	0.112	0.185	0.163	0.141	0.119	0.097	0.075	0.054	0.032	0.010
525.000	550.000	575.000	600.000	625.000	650.000	675.000	700.000	725.000	750.000	775.000	800.000	825.000	850.000	875.000	900.000	925.000	950.000	975.000	0.000	25.000	50.000


Statia / Station
JILAVA
km ex. 50+969
km pr. 50+438
KM = 50+124.627
NSS = 73.440
50+100
50+200
50+300
50+400
50+500
R = ∞ L = 168.679
R = 550 C = 44.045
50+210.790
50+254.835
50+298.879
R = 550 C = 44.045
R = ∞ L = 259.146
h = 0

73.365	73.403	73.440	73.440	73.453	73.466	73.479	73.492	73.505	73.518	73.531	73.544	73.557	73.570	73.583	73.596	73.610	73.623	73.636	73.649
72.625	72.663	72.700	72.700	72.713	72.726	72.739	72.752	72.765	72.778	72.791	72.804	72.817	72.830	72.843	72.856	72.870	72.883	72.896	72.909
73.352	73.371	73.390	73.391	73.410	73.429	73.449	73.468	73.487	73.506	73.526	73.545	73.564	73.583	73.603	73.622	73.641	73.661	73.680	73.699
0.013	0.031	0.049	0.049	0.043	0.037	0.031	0.024	0.018	0.012	0.006	-0.001	-0.007	-0.013	-0.019	-0.026	-0.032	-0.038	-0.044	-0.050
75.000	100.000	124.627	125.000	150.000	175.000	200.000	225.000	250.000	275.000	300.000	325.000	350.000	375.000	400.000	425.000	450.000	475.000	500.000	525.000

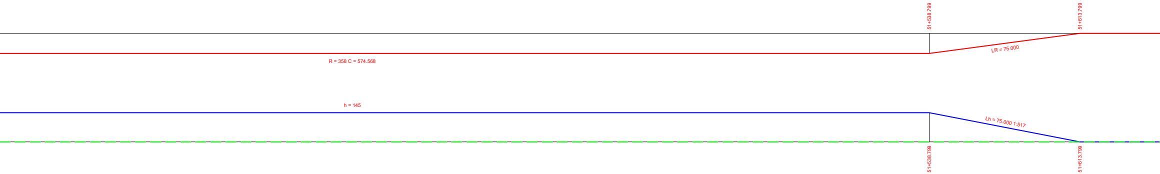

Trecere la nivel
Level crossing
km ex. 51+400
km pr. 50+926
Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
+0.522 ‰
1663.707
Nivel platforma proiectat
Designed subgrade level
50+600
50+700
50+800
50+900
51+000
50+558.025
R = 550 C = 43.886
50+601.912
R = 550 C = 43.886
50+645.798
R = ∞ L = 243.432
50+889.230
LR = 75.000
50+964.230
Lh = 75.000 1:517
50+889.230
50+964.230
Vmax = 80

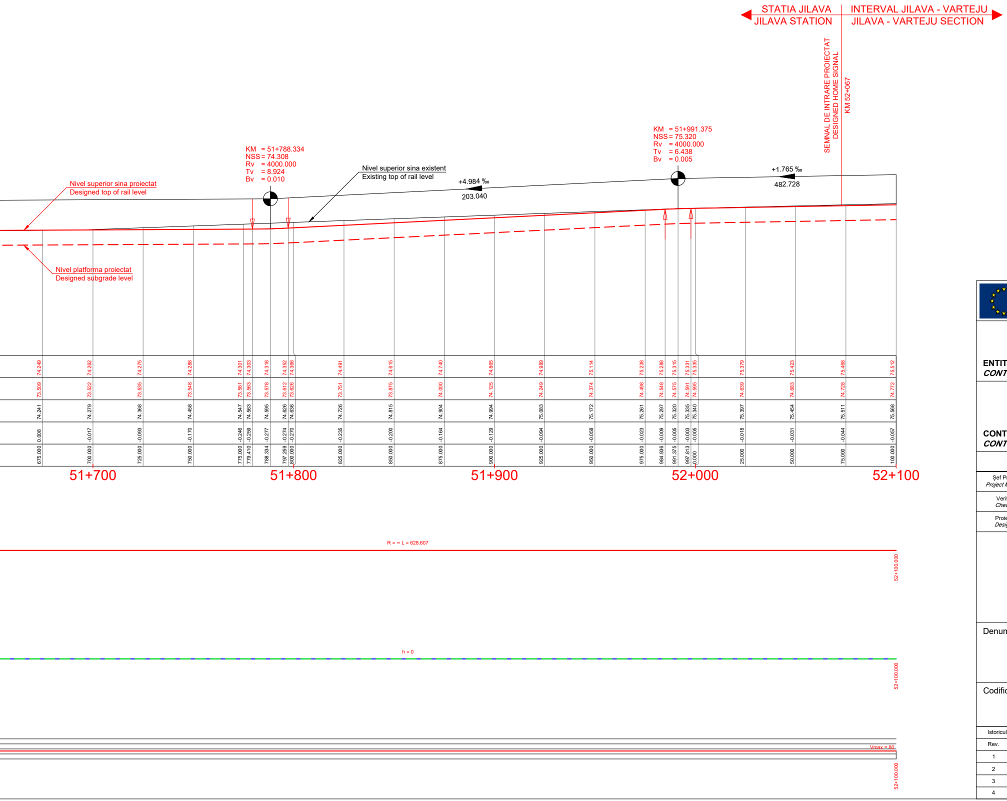
73.662	73.675	73.688	73.701	73.714	73.727	73.740	73.753	73.766	73.779	73.792	73.805	73.818	73.831	73.844	73.857	73.858	73.870	73.884	73.897	73.910	73.923	73.936
72.922	72.935	72.948	72.961	72.974	72.987	73.000	73.013	73.026	73.039	73.052	73.065	73.078	73.091	73.104	73.117	73.118	73.130	73.144	73.157	73.170	73.183	73.196
73.718	73.738	73.739	73.702	73.665	73.627	73.590	73.552	73.515	73.477	73.440	73.403	73.422	73.471	73.519	73.568	73.570	73.724	73.885	73.956	73.995	74.033	74.072
-0.057	-0.063	-0.052	-0.001	0.049	0.100	0.150	0.201	0.251	0.302	0.352	0.403	0.396	0.361	0.325	0.290	0.288	0.146	-0.002	-0.059	-0.085	-0.111	-0.136
550.000	575.000	600.000	625.000	650.000	675.000	700.000	725.000	750.000	775.000	800.000	825.000	850.000	875.000	900.000	925.000	925.978	950.000	975.000	0.000	25.000	50.000	75.000



73.949	73.962	73.975	73.988	74.001	74.014	74.027	74.040	74.053	74.066	74.079	74.092	74.105	74.118	74.131	74.144	74.158	74.171	74.184	74.197	74.210	74.223	74.236
73.209	73.222	73.235	73.248	73.261	73.274	73.287	73.300	73.313	73.326	73.339	73.352	73.365	73.378	73.391	73.404	73.418	73.431	73.444	73.457	73.470	73.483	73.496
74.068	74.001	73.934	73.867	73.800	73.818	73.842	73.865	73.889	73.912	73.936	73.959	73.983	74.006	74.029	74.053	74.076	74.100	74.123	74.147	74.170	74.194	74.217
-0.119	-0.039	0.041	0.121	0.201	0.196	0.185	0.175	0.165	0.154	0.144	0.133	0.123	0.112	0.102	0.092	0.081	0.071	0.060	0.050	0.039	0.029	0.019
100.000	125.000	150.000	175.000	200.000	225.000	250.000	275.000	300.000	325.000	350.000	375.000	400.000	425.000	450.000	475.000	500.000	525.000	550.000	575.000	600.000	625.000	650.000

51+100 51+200 51+300 51+400 51+500 51+600


51+538.799
51+613.799
R = 358 C = 574.568
LR = 75.000
h = 145
Lh = 75.000 1:517
51+538.799
51+613.799


STATIA JILAVA
JILAVA STATION
INTERVAL JILAVA - VARTEJU
JILAVA - VARTEJU SECTION
SEMNAL DE INTRARE PROIECTAT
DESIGNED HOME SIGNAL
KM 52+067
KM = 51+788.334
NSS = 74.308
Rv = 4000.000
Tv = 8.924
Bv = 0.010
KM = 51+991.375
NSS = 75.320
Rv = 4000.000
Tv = 6.438
Bv = 0.005
Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
+4.984 ‰
203.040
+1.765 ‰
482.728
Nivel platforma proiectat
Designed subgrade level
51+700
51+800
51+900
52+000
52+100
R = ∞ L = 628.607
52+100.000
h = 0
52+100.000
Vmax = 80
52+100.000

74.249	74.262	74.275	74.288	74.301	74.303	74.318	74.352	74.366	74.491	74.615	74.740	74.865	74.989	75.114	75.238	75.288	75.315	75.331	75.335	75.379	75.423	75.468	75.512
73.509	73.522	73.535	73.548	73.561	73.563	73.578	73.612	73.626	73.751	73.875	74.000	74.125	74.249	74.374	74.498	74.548	74.575	74.591	74.595	74.639	74.683	74.728	74.772
74.241	74.279	74.368	74.458	74.547	74.563	74.595	74.626	74.636	74.726	74.815	74.904	74.994	75.083	75.172	75.261	75.297	75.320	75.335	75.340	75.397	75.454	75.511	75.568
0.008	-0.017	-0.093	-0.170	-0.246	-0.259	-0.277	-0.274	-0.270	-0.235	-0.200	-0.164	-0.129	-0.094	-0.058	-0.023	-0.009	-0.005	-0.003	-0.005	-0.018	-0.031	-0.044	-0.057
675.000	700.000	725.000	750.000	775.000	779.410	788.334	797.259	800.000	825.000	850.000	875.000	900.000	925.000	950.000	975.000	984.936	991.375	997.813	0.000	25.000	50.000	75.000	100.000

ENTITATE CONTRACTANTA
CONTRACTING ENTITY
C.N.C.F. "C.F.R." - S.A.

CONTRACTANT
CONTRACTOR
Asocierea S.C. ISPCF S.A. - S.C. BAICONS IMPEX SRL

	Nume *Name*	Data *Date*	Semnatura *Signature*
Șef Proiect *Project Manager*	Viorel Gorgonetu	11.2024	
Verificat *Checked*	Ioana Crăciun	11.2024	
Proiectat *Designed*	Radu Crăciun	11.2024	

”Modernizarea liniilor și instalațiilor din
Complexul Feroviar București”
Studiu de fezabilitate

”Modernization lines and installations in the
Bucharest Railway Complex
Feasibility Study

Proiect / *Project*
38 / 2022

Faza / *Phase*
S.F.
F.S.

Denumire / *Title*

Profil longitudinal Firul I
Longitudinal profile Track I
km 49+100.00 - km 52+100.00

Scara / *Scale*
1:1000
1:100

Codificare / Codification System

C O B U | S F | C F T | D P L | 0 0 | 0 0 | 0 2 6 | R 0 0

Istoricul reviziilor / Revision History

Rev.	Data/Date	Descriere Modificare / Modification description
1		
2		
3		
4		