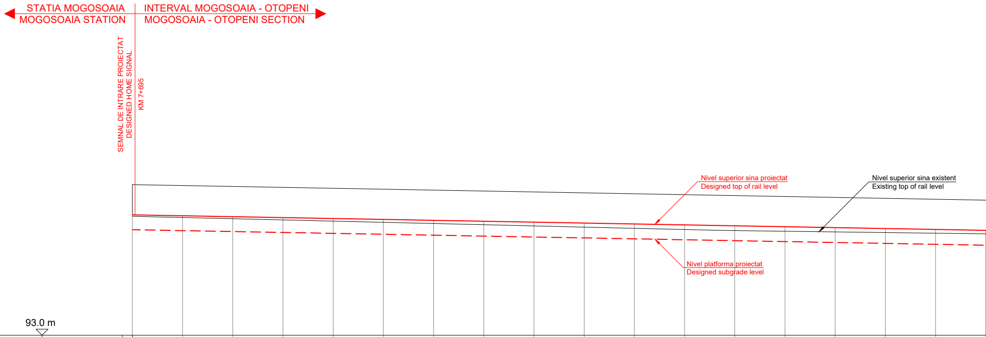
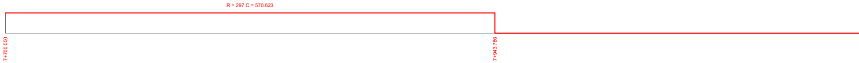

STATIA MOGOSOAIA
MOGOSOAIA STATION
INTERVAL MOGOSOAIA - OTOPENI
MOGOSOAIA - OTOPENI SECTION
SEMNAL DE INTRARE PROIECTAT
DESIGNED HOME SIGNAL
KM 7+695
Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
Nivel platforma proiectat
Designed subgrade level
93.0 m

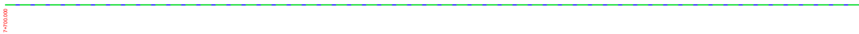
| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nivel superior sina proiectat (in curbe pe firul interior) | Designed top of rail level (in curves on inner rail) | 98.982 | 98.937 | 98.892 | 98.846 | 98.801 | 98.756 | 98.710 | 98.665 | 98.620 | 98.574 | 98.529 | 98.484 | 98.438 | 98.393 | 98.348 | 98.302 | 98.257 | 98.212 |
| Nivel platforma proiectat | Designed subgrade level | 98.242 | 98.197 | 98.152 | 98.106 | 98.061 | 98.016 | 97.970 | 97.925 | 97.880 | 97.834 | 97.789 | 97.744 | 97.698 | 97.653 | 97.608 | 97.562 | 97.517 | 97.472 |
| Nivel superior sina existent sau nivel teren existent | Existing top of rail level or existing ground level | 98.907 | 98.847 | 98.788 | 98.728 | 98.669 | 98.609 | 98.550 | 98.490 | 98.431 | 98.371 | 98.312 | 98.252 | 98.199 | 98.166 | 98.134 | 98.101 | 98.069 | 98.036 |
| Diferente pe verticala (m) intre NSS proiectat si NSS existent | Vertical differences (m) between designed TOR and existing TOR | 0.075 | 0.090 | 0.104 | 0.118 | 0.132 | 0.146 | 0.161 | 0.175 | 0.189 | 0.203 | 0.217 | 0.232 | 0.240 | 0.227 | 0.214 | 0.201 | 0.188 | 0.176 |
| Kilometraj | Chainage | 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 | 75.000 | 100.000 | 125.000 |
| | | 7+700 | | | | 7+800 | | | | 7+900 | | | | 8+000 | | | | 8+100 | |

### Diagrama curburii
Scara: 1000/R [cm]


R = 297 C = 570.623
7+700.000
7+943.786

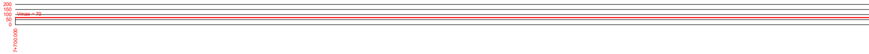
### Diagrama suprainaltarii
Scara: 0.1 x h [mm]

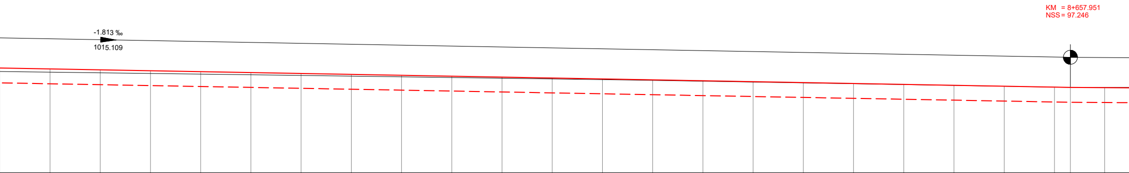
Sina stanga – – –
Sina dreapta ——



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

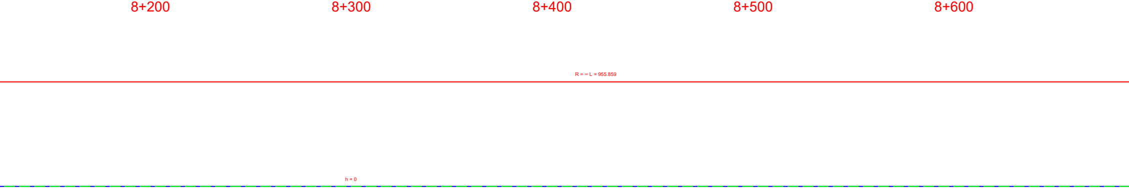
Vmax ——



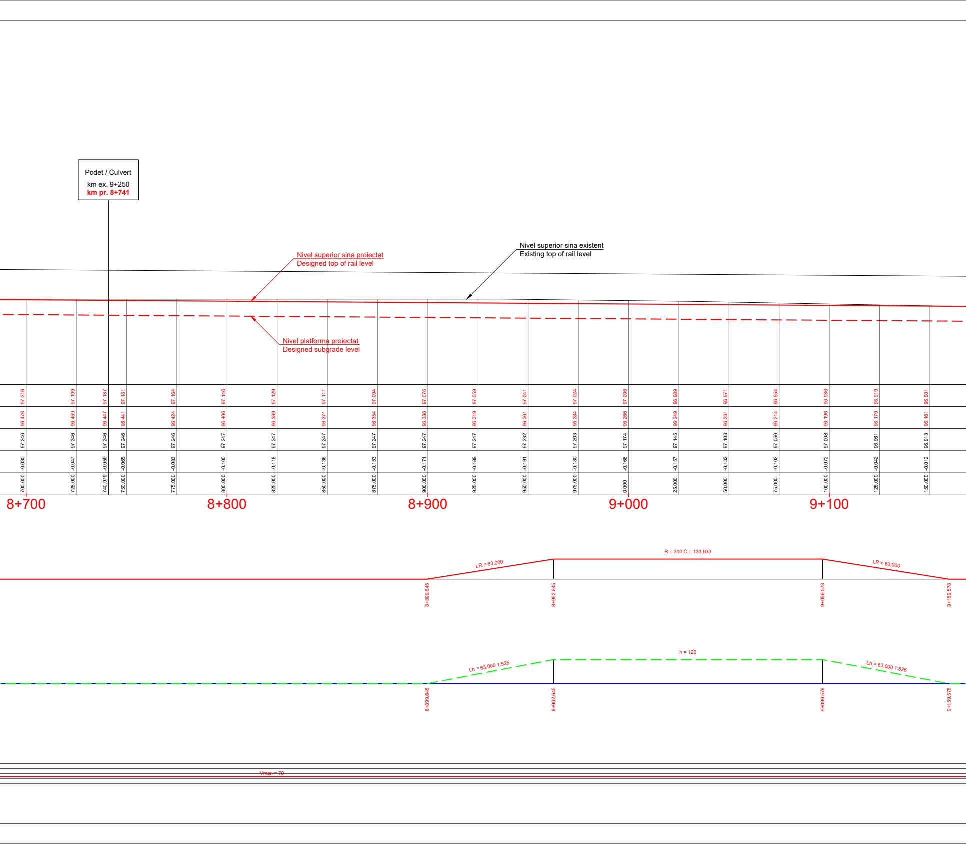


-1.813 ‰
1015.109
KM = 8+657.951
NSS = 97.246

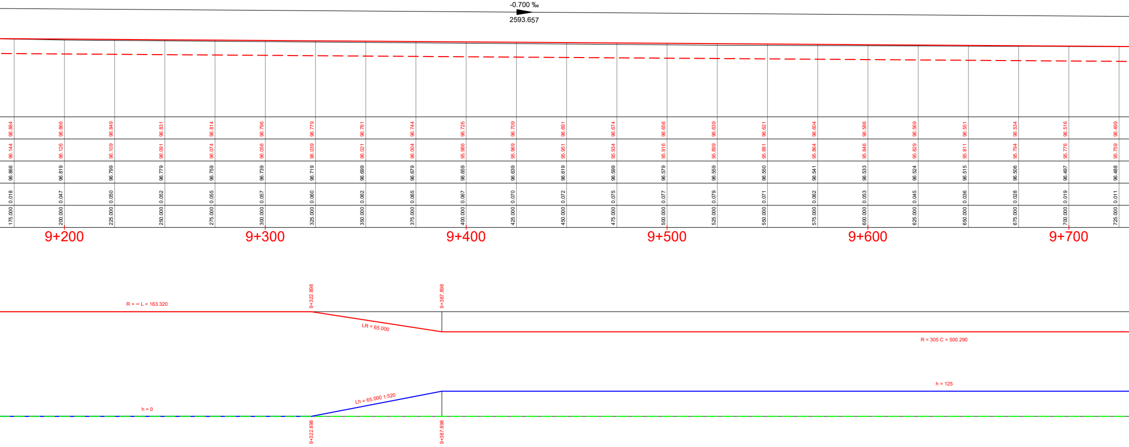
| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.166 | 98.121 | 98.076 | 98.030 | 97.985 | 97.940 | 97.895 | 97.849 | 97.804 | 97.759 | 97.713 | 97.668 | 97.623 | 97.577 | 97.532 | 97.487 | 97.441 | 97.396 | 97.351 | 97.305 | 97.260 | 97.246 | 97.234 |
| 97.426 | 97.381 | 97.336 | 97.290 | 97.245 | 97.200 | 97.155 | 97.109 | 97.064 | 97.019 | 96.973 | 96.928 | 96.883 | 96.837 | 96.792 | 96.747 | 96.701 | 96.656 | 96.611 | 96.565 | 96.520 | 96.505 | 96.494 |
| 98.004 | 97.971 | 97.939 | 97.906 | 97.874 | 97.840 | 97.806 | 97.771 | 97.736 | 97.701 | 97.667 | 97.632 | 97.595 | 97.553 | 97.511 | 97.469 | 97.427 | 97.385 | 97.343 | 97.301 | 97.259 | 97.246 | 97.246 |
| 0.163 | 0.150 | 0.137 | 0.124 | 0.112 | 0.100 | 0.089 | 0.078 | 0.068 | 0.057 | 0.046 | 0.036 | 0.028 | 0.024 | 0.021 | 0.018 | 0.014 | 0.011 | 0.008 | 0.004 | 0.001 | -0.000 | -0.012 |
| 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 | 657.951 | 675.000 |



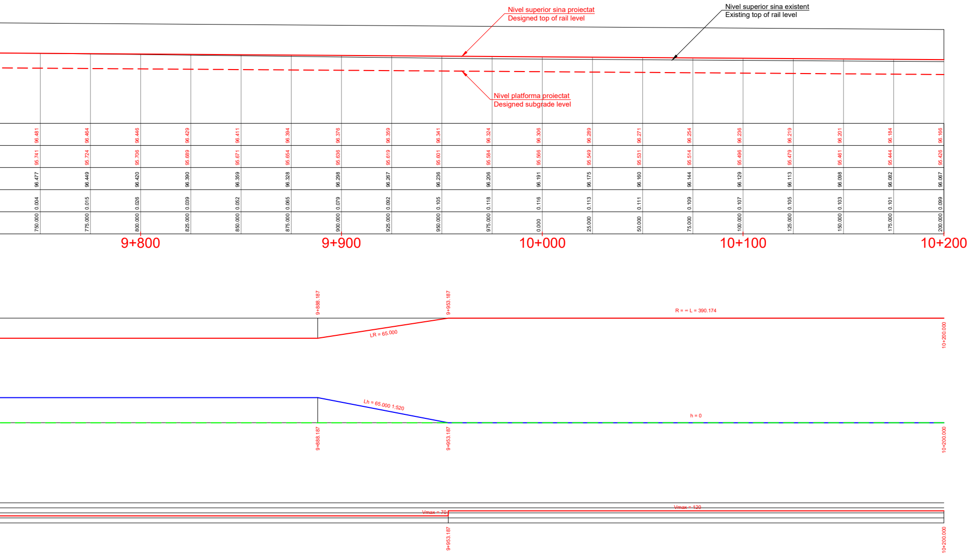
8+200
8+300
8+400
8+500
8+600
R = ∞ L = 955.859
h = 0


Podet / Culvert
km ex. 9+250
**km pr. 8+741**
Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
Nivel platforma proiectat
Designed subgrade level
8+700
8+800
8+900
9+000
9+100
LR = 63.000
R = 310 C = 133.933
LR = 63.000
8+899.645
8+962.645
9+096.578
9+159.578
Lh = 63.000 1:525
h = 120
Lh = 63.000 1:525
8+899.645
8+962.645
9+096.578
9+159.578
Vmax = 70

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.216 | 97.199 | 97.187 | 97.181 | 97.164 | 97.146 | 97.129 | 97.111 | 97.094 | 97.076 | 97.059 | 97.041 | 97.024 | 97.006 | 96.989 | 96.971 | 96.954 | 96.936 | 96.919 | 96.901 |
| 96.476 | 96.459 | 96.447 | 96.441 | 96.424 | 96.406 | 96.389 | 96.371 | 96.354 | 96.336 | 96.319 | 96.301 | 96.284 | 96.266 | 96.249 | 96.231 | 96.214 | 96.196 | 96.179 | 96.161 |
| 97.246 | 97.246 | 97.246 | 97.246 | 97.246 | 97.247 | 97.247 | 97.247 | 97.247 | 97.247 | 97.247 | 97.232 | 97.203 | 97.174 | 97.145 | 97.103 | 97.056 | 97.008 | 96.961 | 96.913 |
| -0.030 | -0.047 | -0.059 | -0.065 | -0.083 | -0.100 | -0.118 | -0.136 | -0.153 | -0.171 | -0.189 | -0.191 | -0.180 | -0.168 | -0.157 | -0.132 | -0.102 | -0.072 | -0.042 | -0.012 |
| 700.000 | 725.000 | 740.979 | 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 | 75.000 | 100.000 | 125.000 | 150.000 |


-0.700 ‰
2593.657
9+200
9+300
9+400
9+500
9+600
9+700
R = ∞ L = 163.320
9+322.898
9+387.898
LR = 65.000
R = 305 C = 500.290
h = 125
Lh = 65.000 1:520
h = 0
9+322.898
9+387.898

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96.884 | 96.866 | 96.849 | 96.831 | 96.814 | 96.796 | 96.779 | 96.761 | 96.744 | 96.726 | 96.709 | 96.691 | 96.674 | 96.656 | 96.639 | 96.621 | 96.604 | 96.586 | 96.569 | 96.551 | 96.534 | 96.516 | 96.499 |
| 96.144 | 96.126 | 96.109 | 96.091 | 96.074 | 96.056 | 96.039 | 96.021 | 96.004 | 95.986 | 95.969 | 95.951 | 95.934 | 95.916 | 95.899 | 95.881 | 95.864 | 95.846 | 95.829 | 95.811 | 95.794 | 95.776 | 95.759 |
| 96.866 | 96.819 | 96.799 | 96.779 | 96.759 | 96.739 | 96.719 | 96.699 | 96.679 | 96.659 | 96.639 | 96.619 | 96.599 | 96.579 | 96.559 | 96.550 | 96.541 | 96.533 | 96.524 | 96.515 | 96.506 | 96.497 | 96.488 |
| 0.018 | 0.047 | 0.050 | 0.052 | 0.055 | 0.057 | 0.060 | 0.062 | 0.065 | 0.067 | 0.070 | 0.072 | 0.075 | 0.077 | 0.079 | 0.071 | 0.062 | 0.053 | 0.045 | 0.036 | 0.028 | 0.019 | 0.011 |
| 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 | 675.000 | 700.000 | 725.000 |


Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
Nivel platforma proiectat
Designed subgrade level
9+800
9+900
10+000
10+100
10+200
9+888.187
9+953.187
R = ∞ L = 390.174
LR = 65.000
10+200.000
Lh = 65.000 1:520
h = 0
Vmax = 70
Vmax = 120

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96.481 | 96.464 | 96.446 | 96.429 | 96.411 | 96.394 | 96.376 | 96.359 | 96.341 | 96.324 | 96.306 | 96.289 | 96.271 | 96.254 | 96.236 | 96.219 | 96.201 | 96.184 | 96.166 |
| 95.741 | 95.724 | 95.706 | 95.689 | 95.671 | 95.654 | 95.636 | 95.619 | 95.601 | 95.584 | 95.566 | 95.549 | 95.531 | 95.514 | 95.496 | 95.479 | 95.461 | 95.444 | 95.426 |
| 96.477 | 96.449 | 96.420 | 96.390 | 96.359 | 96.328 | 96.298 | 96.267 | 96.236 | 96.206 | 96.191 | 96.175 | 96.160 | 96.144 | 96.129 | 96.113 | 96.098 | 96.082 | 96.067 |
| 0.004 | 0.015 | 0.026 | 0.039 | 0.052 | 0.065 | 0.079 | 0.092 | 0.105 | 0.118 | 0.116 | 0.113 | 0.111 | 0.109 | 0.107 | 0.105 | 0.103 | 0.101 | 0.099 |
| 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 | 75.000 | 100.000 | 125.000 | 150.000 | 175.000 | 200.000 |

**ENTITATE CONTRACTANTA**
***CONTRACTING ENTITY***

**C.N.C.F. "C.F.R." - S.A.**

**CONTRACTANT**
***CONTRACTOR***

Fondat in 1947

**Asocierea S.C. ISPCF S.A. - S.C. BAICONS IMPEX SRL**

| | Nume<br>*Name* | Data<br>*Date* | Semnatura<br>*Signature* |
|---|---|---|---|
| Şef Proiect<br>*Project Manager* | Viorel Gorgonetu | 11.2024 | |
| Verificat<br>*Checked* | Ioana Crăciun | 11.2024 | |
| Proiectat<br>*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 7+700.00 - km 10+200.00**

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 0 4   R 0 0

Istoricul reviziilor / Revision History

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