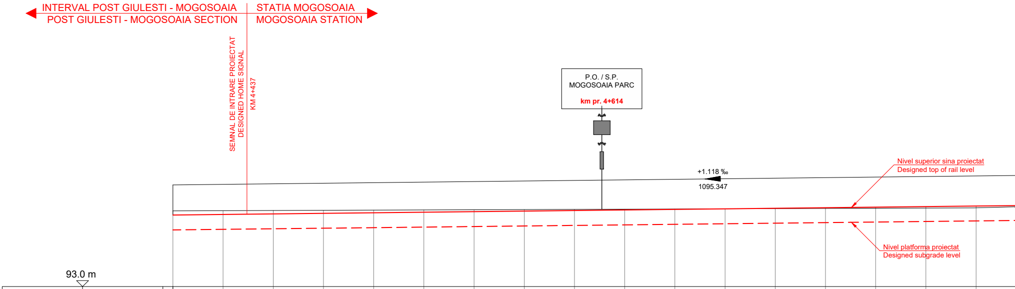

INTERVAL POST GIULESTI - MOGOSOAIA
POST GIULESTI - MOGOSOAIA SECTION
STATIA MOGOSOAIA
MOGOSOAIA STATION
SEMNAL DE INTRARE PROIECTAT
DESIGNED HOME SIGNAL
KM 4+437
P.O. / S.P.
MOGOSOAIA PARC
km pr. 4+614
+1.118 ‰
1095.347
Nivel superior sina proiectat
Designed top of rail level
Nivel platforma proiectat
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) | 96.561 | 96.589 | 96.617 | 96.645 | 96.673 | 96.701 | 96.729 | 96.757 | 96.785 | 96.813 | 96.840 | 96.868 | 96.896 | 96.924 | 96.952 | 96.980 | 97.008 |
| Nivel platforma proiectat | Designed subgrade level | 95.821 | 95.849 | 95.877 | 95.905 | 95.933 | 95.961 | 95.989 | 96.017 | 96.045 | 96.073 | 96.100 | 96.128 | 96.156 | 96.184 | 96.212 | 96.240 | 96.268 |
| Nivel superior sina existent sau nivel teren existent | Existing top of rail level or existing ground level | 96.770 | 96.779 | 96.788 | 96.798 | 96.807 | 96.816 | 96.825 | 96.835 | 96.844 | 96.853 | 96.862 | 96.871 | 96.881 | 96.890 | 96.899 | 96.908 | 96.920 |
| Diferente pe verticala (m) intre NSS proiectat si NSS existent | Vertical differences (m) between designed TOR and existing TOR | -0.209 | -0.190 | -0.172 | -0.153 | -0.134 | -0.115 | -0.097 | -0.078 | -0.059 | -0.040 | -0.022 | -0.003 | 0.016 | 0.035 | 0.053 | 0.072 | 0.088 |
| Kilometraj | Chainage | 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 | 750.000 | 775.000 | 800.000 |

4+400 4+500 4+600 4+700 4+800

Diagrama curburii
Scara: 1000/R [cm]

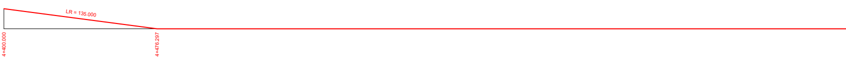

LR = 135.000
4+400.000
4+476.297

Diagrama suprainaltarii
Scara: 0.1 x h [mm]

Sina stanga - - -
Sina dreapta —

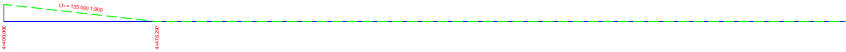
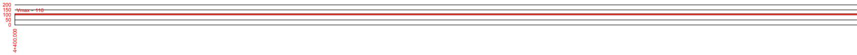
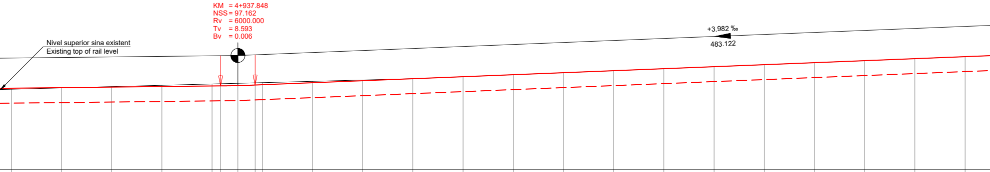

Lh = 135.000 1:900
4+400.000
4+476.297

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

Vmax —


200
150
100
50
0
Vmax = 110
4+400.000

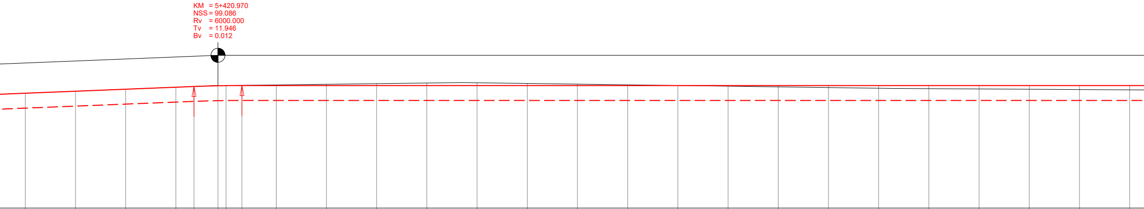

KM = 4+937.848
NSS = 97.162
Rv = 6000.000
Tv = 8.593
Bv = 0.006
Nivel superior sina existent
Existing top of rail level
+3.982 ‰
483.122

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.036 | 97.064 | 97.092 | 97.120 | 97.148 | 97.153 | 97.168 | 97.196 | 97.211 | 97.310 | 97.410 | 97.509 | 97.609 | 97.708 | 97.808 | 97.907 | 98.007 | 98.107 | 98.206 | 98.306 | 98.405 | 98.505 | 98.604 |
| 96.296 | 96.324 | 96.352 | 96.380 | 96.408 | 96.413 | 96.428 | 96.456 | 96.471 | 96.570 | 96.670 | 96.769 | 96.869 | 96.968 | 97.068 | 97.167 | 97.267 | 97.367 | 97.466 | 97.566 | 97.665 | 97.765 | 97.864 |
| 96.986 | 97.051 | 97.117 | 97.183 | 97.248 | 97.260 | 97.282 | 97.305 | 97.314 | 97.380 | 97.446 | 97.511 | 97.609 | 97.708 | 97.808 | 97.908 | 98.007 | 98.107 | 98.206 | 98.306 | 98.405 | 98.505 | 98.604 |
| 0.050 | 0.013 | -0.025 | -0.063 | -0.101 | -0.107 | -0.114 | -0.108 | -0.104 | -0.070 | -0.036 | -0.002 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.000 |
| 825.000 | 850.000 | 875.000 | 900.000 | 925.000 | 929.255 | 937.848 | 946.441 | 950.000 | 975.000 | 0.000 | 25.000 | 50.000 | 75.000 | 100.000 | 125.000 | 150.000 | 175.000 | 200.000 | 225.000 | 250.000 | 275.000 | 300.000 |

4+900 5+000 5+100 5+200 5+300

R = ∞ L = 1035.047

Vmax = 110

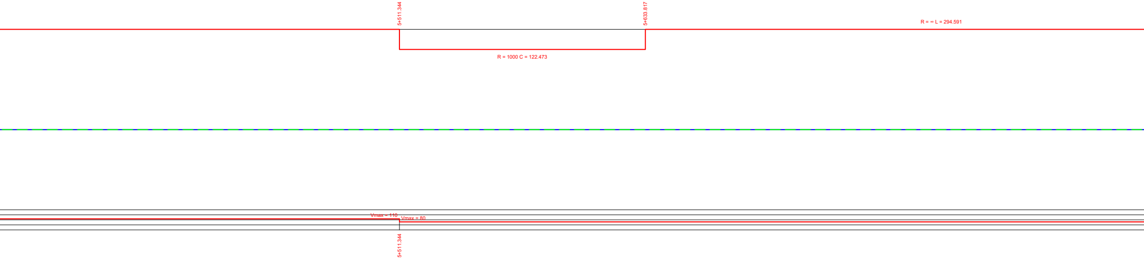

KM = 5+420.970
NSS = 99.086
Rv = 6000.000
Tv = 11.946
Bv = 0.012

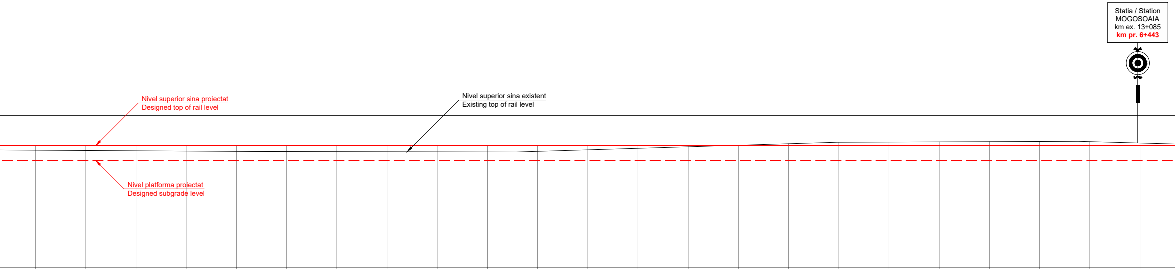
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 98.704 | 98.803 | 98.903 | 99.002 | 99.038 | 99.074 | 99.081 | 99.086 | 99.086 | 99.086 | 99.086 |
| 97.964 | 98.063 | 98.163 | 98.262 | 98.298 | 98.334 | 98.341 | 98.346 | 98.346 | 98.346 | 98.346 |
| 98.704 | 98.804 | 98.903 | 99.003 | 99.039 | 99.080 | 99.085 | 99.095 | 99.116 | 99.148 | 99.179 |
| -0.000 | -0.000 | -0.000 | -0.000 | -0.000 | -0.005 | -0.004 | -0.009 | -0.030 | -0.062 | -0.093 |
| 325.000 | 350.000 | 375.000 | 400.000 | 409.024 | 420.970 | 425.000 | 432.916 | 450.000 | 475.000 | 500.000 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 |
| 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 |
| 99.210 | 99.223 | 99.189 | 99.155 | 99.120 | 99.086 | 99.052 | 99.018 |
| -0.124 | -0.137 | -0.103 | -0.069 | -0.034 | -0.000 | 0.034 | 0.068 |
| 525.000 | 550.000 | 575.000 | 600.000 | 625.000 | 650.000 | 675.000 | 700.000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 |
| 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 |
| 98.983 | 98.949 | 98.929 | 98.914 | 98.899 | 98.884 | 98.869 |
| 0.103 | 0.137 | 0.157 | 0.172 | 0.187 | 0.202 | 0.217 |
| 725.000 | 750.000 | 775.000 | 800.000 | 825.000 | 850.000 | 875.000 |

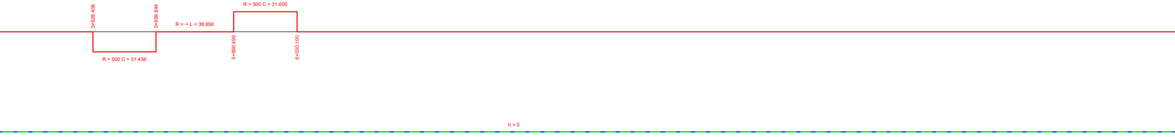
5+400 5+500 5+600 5+700 5+800


5+511.344
5+633.817
R = ∞ L = 294.591
R = 1000 C = 122.473
Vmax = 110
Vmax = 80
5+511.344

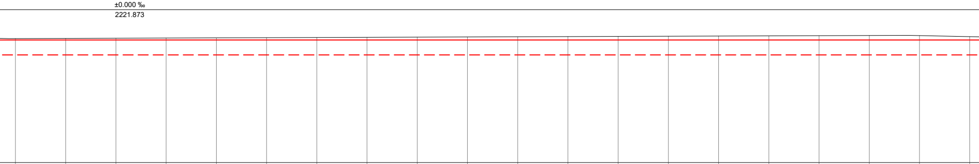

Statia / Station
MOGOSOAIA
km ex. 13+085
**km pr. 6+443**
Nivel superior sina proiectat
Designed top of rail level
Nivel superior sina existent
Existing top of rail level
Nivel platforma proiectat
Designed subgrade level

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 |
| 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 |
| 98.855 | 98.840 | 98.825 | 98.810 | 98.796 | 98.788 | 98.783 | 98.778 | 98.773 | 98.769 | 98.798 | 98.874 | 98.950 | 99.026 | 99.103 | 99.179 | 99.252 | 99.262 | 99.271 | 99.280 | 99.290 | 99.281 | 99.212 |
| 0.231 | 0.246 | 0.261 | 0.276 | 0.290 | 0.298 | 0.303 | 0.308 | 0.313 | 0.317 | 0.288 | 0.212 | 0.136 | 0.060 | -0.017 | -0.093 | -0.166 | -0.176 | -0.185 | -0.194 | -0.204 | -0.195 | -0.126 |
| 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 | 225.000 | 250.000 | 275.000 | 300.000 | 325.000 | 350.000 | 375.000 | 400.000 | 425.000 | 450.000 |

5+900 6+000 6+100 6+200 6+300 6+400

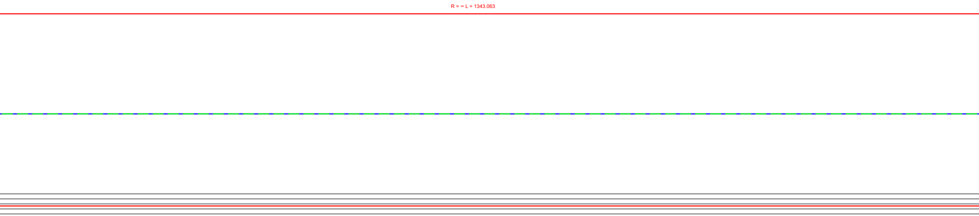

5+928.408
5+959.844
R = 500 C = 31.436
R = ∞ L = 38.656
R = 500 C = 31.600
5+998.499
6+030.100
h = 0

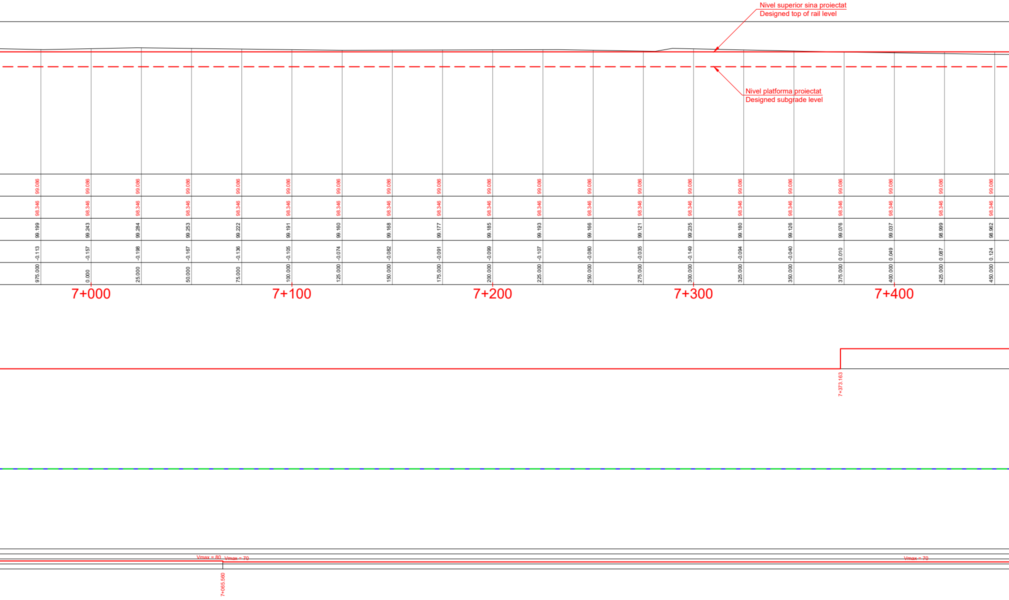
Vmax = 80


±0.000 ‰
2221.873

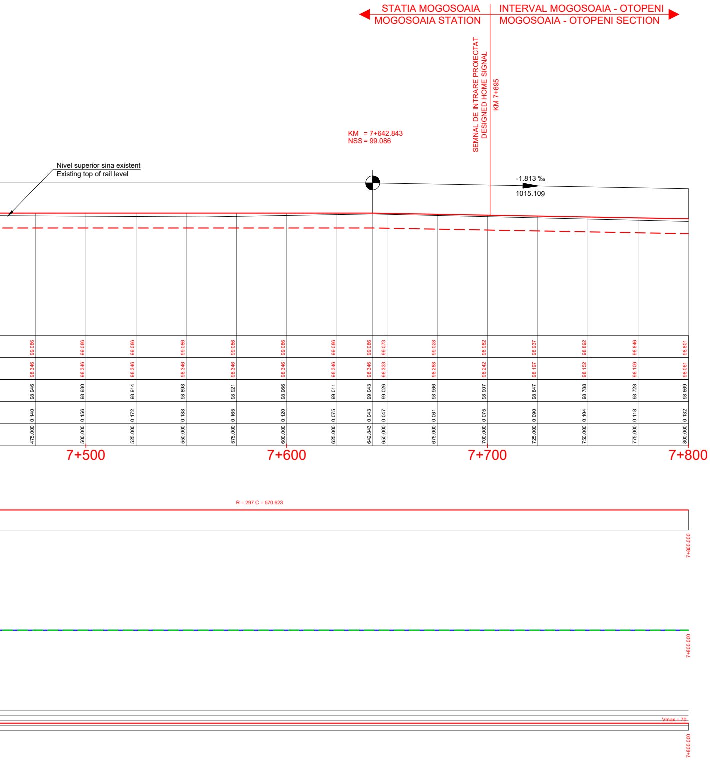
| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 |
| 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 |
| 99.154 | 99.163 | 99.172 | 99.181 | 99.190 | 99.199 | 99.208 | 99.217 | 99.226 | 99.235 | 99.244 | 99.253 | 99.262 | 99.271 | 99.280 | 99.289 | 99.298 | 99.307 | 99.303 | 99.251 |
| -0.068 | -0.077 | -0.086 | -0.095 | -0.104 | -0.113 | -0.122 | -0.131 | -0.140 | -0.149 | -0.158 | -0.167 | -0.176 | -0.185 | -0.194 | -0.203 | -0.212 | -0.221 | -0.217 | -0.165 |
| 475.000 | 500.000 | 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 |

6+500 6+600 6+700 6+800 6+900




Nivel superior sina proiectat
Designed top of rail level
Nivel platforma proiectat
Designed subgrade level
7+000
7+100
7+200
7+300
7+400
7+373.163
Vmax = 80
Vmax = 70
7+065.560
Vmax = 70

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 | 99.086 |
| 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 | 98.346 |
| 99.199 | 99.243 | 99.284 | 99.253 | 99.222 | 99.191 | 99.160 | 99.168 | 99.177 | 99.185 | 99.193 | 99.166 | 99.121 | 99.235 | 99.180 | 99.126 | 99.076 | 99.037 | 98.999 | 98.962 |
| -0.113 | -0.157 | -0.198 | -0.167 | -0.136 | -0.105 | -0.074 | -0.082 | -0.091 | -0.099 | -0.107 | -0.080 | -0.035 | -0.149 | -0.094 | -0.040 | 0.010 | 0.049 | 0.087 | 0.124 |
| 975.000 | 0.000 | 25.000 | 50.000 | 75.000 | 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 |


STATIA MOGOSOAIA
MOGOSOAIA STATION
INTERVAL MOGOSOAIA - OTOPENI
MOGOSOAIA - OTOPENI SECTION
SEMNAL DE INTRARE PROIECTAT
DESIGNED HOME SIGNAL
KM 7+695
KM = 7+642.843
NSS = 99.086
Nivel superior sina existent
Existing top of rail level
-1.813 ‰
1015.109
99.086 99.086 99.086 99.086 99.086 99.086 99.086 99.086 99.073 99.028 98.982 98.937 98.892 98.846 98.801
98.346 98.346 98.346 98.346 98.346 98.346 98.346 98.346 98.333 98.288 98.242 98.197 98.152 98.106 98.061
98.946 98.930 98.914 98.898 98.921 98.966 99.011 99.043 99.026 98.966 98.907 98.847 98.788 98.728 98.669
0.140 0.156 0.172 0.188 0.165 0.120 0.075 0.043 0.047 0.061 0.075 0.090 0.104 0.118 0.132
475.000 500.000 525.000 550.000 575.000 600.000 625.000 642.843 650.000 675.000 700.000 725.000 750.000 775.000 800.000
7+500
7+600
7+700
7+800
R = 297 C = 570.623
7+800.000
7+800.000
Vmax = 70
7+800.000

**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<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 şi instalaţiilor din**
**Complexul Feroviar Bucureşti”**
**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 4+400.00 - km 7+800.00**

Scara / *Scale*
1:1000
1:100

Codificare / Codification System

COBU SF CFT DPL 00 00 003 R00

Istoricul reviziilor / Revision History

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