LEGENDA:

PE_PM_pr — conducta distributie gaze naturale propusa, presiune medie, PE100 SDR11, montata ingropat

OL_PM_pr — conducta distributie gaze naturale propusa, presiune medie, OL, montata aerian

Rg01 — vana de sectionare din PE100 SDR11, montata ingropat, in camin tip clopot

RgA1 — vana de sectionare din OL, montata aerian

limita categorie teren (intravilan / extravilan)

## Comuna Sinesti, jud. Valcea

Tronson: S29-S30 / PEHD100
SDR11 Pn16 Dn180mm, L=629m
Q=1292,10 Nmc/h, V=5,4m/s
Pi=4,4073bar, Pe=4,3164bar
Intravilan com. Sinesti,
sat Urzica

Tronson: S30-16a / PEHD100
SDR11 Pn16 Dn180mm, L=230m
Q=1201,24 Nmc/h, V=5,1m/s
Pi=4,3164bar, Pe=4,2832bar
Intravilan com. Gradistea,
sat Linia

Tronson: 16a-16b / OL
⌀6'' (168,3x6,3), L=3m
Q=1175,28 Nmc/h, V=4,7m/s
Pi=4,2832bar, Pe=4,2827bar
Intravilan com. Gradistea,
sat Linia

Tronson: 16b-G1 / PEHD100
SDR11 Pn16 Dn180mm, L=437m
Q=1175,28 Nmc/h, V=5,0m/s
Pi=4,2827bar, Pe=4,2196bar
Intravilan com. Gradistea,
sat Linia

Tronson: G1-17a / PEHD100
SDR11 Pn16 Dn125mm, L=563m
Q=756,38 Nmc/h, V=6,8m/s
Pi=4,2196bar, Pe=4,1382bar
Intravilan com. Gradistea,
sat Linia

Tronson: 17a-17b / OL
⌀4'' (114,3x5,6), L=4m
Q=715,08 Nmc/h, V=6,3m/s
Pi=4,1382bar, Pe=4,1353bar
Intravilan com. Gradistea,
sat Linia

Tronson: 17b-G2 / PEHD100
SDR11 Pn16 Dn125mm, L=2m
Q=715,08 Nmc/h, V=6,5m/s
Pi=4,1353bar, Pe=4,1350bar
Intravilan com. Gradistea,
sat Linia

Tronson: G2-IE/G1 / PEHD100
SDR11 Pn16 Dn125mm, L=28m
Q=715,08 Nmc/h, V=6,5m/s
Pi=4,1350bar, Pe=4,1309bar
Extravilan com. Gradistea,
sat Gradistea

Tronson: IE/G1-18a / PEHD100
SDR11 Pn16 Dn125mm, L=351m
Q=715,08 Nmc/h, V=6,6m/s
Pi=4,1309bar, Pe=4,0802bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 18a-18b / OL
⌀4'' (114,3x5,6), L=6m
Q=682,04 Nmc/h, V=6,1m/s
Pi=4,0802bar, Pe=4,0793bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 18a-19a / PEHD100
SDR11 Pn16 Dn125mm, L=276m
Q=682,04 Nmc/h, V=6,3m/s
Pi=4,0793bar, Pe=4,0094bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 19a-19b / OL
⌀4'' (114,3x5,6), L=10m
Q=652,54 Nmc/h, V=5,9m/s
Pi=4,0394bar, Pe=4,0380bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 19b-20a / PEHD100
SDR11 Pn16 Dn125mm, L=442m
Q=652,54 Nmc/h, V=6,1m/s
Pi=4,0380bar, Pe=3,9741bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 20a-20b / OL
⌀4'' (114,3x5,6), L=10m
Q=611,24 Nmc/h, V=5,6m/s
Pi=3,9741bar, Pe=3,9726bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 20b-G3 / PEHD100
SDR11 Pn16 Dn125mm, L=505m
Q=611,24 Nmc/h, V=5,9m/s
Pi=3,9726bar, Pe=3,8996bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: G3-G4 / PEHD100
SDR11 Pn16 Dn125mm, L=13m
Q=514,48 Nmc/h, V=5,0m/s
Pi=3,8996bar, Pe=3,8978bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: G4-21a / PEHD100
SDR11 Pn16 Dn125mm, L=197m
Q=128,62 Nmc/h, V=1,2m/s
Pi=3,8978bar, Pe=3,8693bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 21a-21b / OL
⌀4'' (114,3x5,6), L=6m
Q=115,64 Nmc/h, V=1,1m/s
Pi=3,8693bar, Pe=3,8684bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 21b-22a / PEHD100
SDR11 Pn16 Dn125mm, L=230m
Q=115,64 Nmc/h, V=1,1m/s
Pi=3,8684bar, Pe=3,8352bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 22a-22b / OL
⌀4'' (114,3x5,6), L=16m
Q=100,30 Nmc/h, V=1,0m/s
Pi=3,8352bar, Pe=3,8329bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: 22b-G5 / PEHD100
SDR11 Pn16 Dn125mm, L=176m
Q=100,30 Nmc/h, V=1,0m/s
Pi=3,8329bar, Pe=3,8074bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: G5-G6 / PEHD100
SDR11 Pn16 Dn90mm, L=492m
Q=40,12 Nmc/h, V=0,8m/s
Pi=3,8074bar, Pe=3,7363bar
Intravilan com. Gradistea,
sat Gradistea

SAT LINIA

str. Principala DN 67B

str. Belci

Intravilan

Extravilan

## Comuna Gradistea, jud. Valcea

SAT GRADISTEA

str. Colnic

str. Primariei

| Nr. crt. | Nume UAT | Nume sat | Nume strada | Tronson | Categorie teren | Lungimea fizica (m) | Material tubular | Diametrul Dn (in) | Debit de calcul (Nmc/h) | Viteza de calcul (m/s) | Presiunea intrare P1 (bar) | Presiunea iesire P2 (bar) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| UAT GRADISTEA, SAT LINIA - INTRAVILAN | | | | | | | | | | | | |
| 1 | Gradistea | Linia | Linia (DJ 605A) | S30-16a | intravilan | 230 | PEID PE100 | PE180 | 1201.24 | 5.1 | 4.3164 | 4.2832 |
| 2 | Gradistea | Linia | Linia (DJ 605A) | 16a-16b | intravilan | 3 | OL | 6"(168,3x6,3) | 1175.28 | 4.7 | 4.2832 | 4.2827 |
| 3 | Gradistea | Linia | Linia (DJ 605A) | 16b-G1 | intravilan | 437 | PEID PE100 | PE180 | 1175.28 | 5.0 | 4.2827 | 4.2196 |
| 4 | Gradistea | Linia | Principala (DN 67B) | G1-17a | intravilan | 563 | PEID PE100 | PE125 | 756.38 | 6.8 | 4.2196 | 4.1382 |
| 5 | Gradistea | Linia | Principala (DN 67B) | 17a-17b | intravilan | 20 | OL | 4"(114,3x5,6) | 715.08 | 6.3 | 4.1382 | 4.1353 |
| 6 | Gradistea | Linia | Principala (DN 67B) | 17b-G2 | intravilan | 2 | PEID PE100 | PE125 | 715.08 | 6.5 | 4.1353 | 4.1350 |

Lungimi conducte de distributie gaze naturale in intravilan:
com. Gradistea, sat Linia
Lungimea totala: L=1.255 m, din care:
Conducta PEHD PE100 SDR11 Dn 180 mm L=667 m
Conducta PEHD PE100 SDR11 Dn 125 mm L=565 m
Conducta OL 6"(168,3x6,3) L=3 m
Conducta OL 4"(114,3x5,6) L=20 m

Breviar de calcul
Regim de presiune: medie

| Nr. crt. | Nume UAT | Nume sat | Nume strada | Tronson | Categorie teren | Debit distribuit (Nmc/h) | Debit de tranzit (Nmc/h) | Debit de calcul (Nmc/h) | Lungimea fizica a tronsonului (m) | Lungimea fizica tronsonului (km) | P1 (bar) | P2 (bar) | Material tubular | Diametrul ales mm | Diametrul ales Dn (in) | Viteza w (m/s) | Viteza maxima admisa w (m/s) | Nr. Reynolds Re | Nr. Reynolds D/k (k=0,007-PE, k=0,05-OL) | Coef. pierdere de sarcina λ | Diametrul interior de calcul (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Gradistea | Linia | Linia (DJ 605A) | S30-16a | intravilan | 25.96 | 1201.24 | 1321.36 | 230.00 | 0.230 | 4.3164 | 4.2832 | PE | 147.2 | PE180 | 5.1 | 40 | 200,179.46 | 2,102.857 | 0.0150 | 113.06 |
| 2 | Gradistea | Linia | Linia (DJ 605A) | 16a-16b | intravilan | 0.00 | 1175.28 | 1292.81 | 3.00 | 0.003 | 4.2832 | 4.2827 | OL | 152.0 | 6 | 4.7 | 20 | 189,668.54 | 304.000 | 0.0152 | 112.46 |
| 3 | Gradistea | Linia | Linia (DJ 605A) | 16b-G1 | intravilan | 44.84 | 1175.28 | 1292.81 | 437.00 | 0.437 | 4.2827 | 4.2196 | PE | 147.2 | PE180 | 5.0 | 40 | 195,853.39 | 2,102.857 | 0.0150 | 112.45 |
| 4 | Gradistea | Linia | Principala (DN 67B) | G1-17a | intravilan | 41.30 | 756.38 | 832.02 | 563.00 | 0.563 | 4.2196 | 4.1382 | PE | 102.2 | PE125 | 6.8 | 40 | 181,546.00 | 1,460.000 | 0.0153 | 94.96 |
| 5 | Gradistea | Linia | Principala (DN 67B) | 17a-17b | intravilan | 0.00 | 715.08 | 786.59 | 20.00 | 0.020 | 4.1382 | 4.1353 | OL | 104.0 | 4 | 6.3 | 20 | 168,662.62 | 208.000 | 0.0156 | 93.38 |
| 6 | Gradistea | Linia | Principala (DN 67B) | 17b-G2 | intravilan | 0.00 | 715.08 | 786.59 | 2.00 | 0.002 | 4.1353 | 4.1350 | PE | 102.2 | PE125 | 6.5 | 40 | 171,633.19 | 1,460.000 | 0.0155 | 93.31 |
| 7 | Gradistea | Gradistea | Principala (DN 67B) | G2-IE/G1 | extravilan | 0.00 | 715.08 | 786.59 | 28.00 | 0.028 | 4.1350 | 4.1309 | PE | 102.2 | PE125 | 6.5 | 40 | 171,633.19 | 1,460.000 | 0.0155 | 93.32 |
| 8 | Gradistea | Gradistea | Principala (DN 67B) | IE/G1-18a | intravilan | 33.04 | 715.08 | 786.59 | 351.00 | 0.351 | 4.1309 | 4.0802 | PE | 102.2 | PE125 | 6.6 | 40 | 171,633.19 | 1,460.000 | 0.0155 | 93.44 |
| 9 | Gradistea | Gradistea | Principala (DN 67B) | 18a-18b | intravilan | 0.00 | 682.04 | 750.24 | 6.00 | 0.006 | 4.0802 | 4.0793 | OL | 104.0 | 4 | 6.1 | 20 | 160,869.63 | 208.000 | 0.0158 | 92.10 |
| 10 | Gradistea | Gradistea | Principala (DN 67B) | 18b-19a | intravilan | 29.50 | 682.04 | 750.24 | 276.00 | 0.276 | 4.0793 | 4.0394 | PE | 102.2 | PE125 | 6.3 | 40 | 163,702.95 | 1,460.000 | 0.0157 | 92.12 |
| 11 | Gradistea | Gradistea | Principala (DN 67B) | 19a-19b | intravilan | 0.00 | 652.54 | 717.79 | 10.00 | 0.010 | 4.0394 | 4.0380 | OL | 104.0 | 4 | 5.9 | 20 | 153,911.60 | 208.000 | 0.0160 | 90.87 |
| 12 | Gradistea | Gradistea | Principala (DN 67B) | 19b-20a | intravilan | 41.30 | 652.54 | 717.79 | 442.00 | 0.442 | 4.0380 | 3.9741 | PE | 102.2 | PE125 | 6.1 | 40 | 156,622.37 | 1,460.000 | 0.0159 | 90.94 |
| 13 | Gradistea | Gradistea | Principala (DN 67B) | 20a-20b | intravilan | 0.00 | 611.24 | 672.36 | 10.00 | 0.010 | 3.9741 | 3.9726 | OL | 104.0 | 4 | 5.6 | 20 | 144,170.36 | 208.000 | 0.0162 | 89.11 |
| 14 | Gradistea | Gradistea | Principala (DN 67B) | 20b-G3 | intravilan | 49.56 | 611.24 | 672.36 | 505.00 | 0.505 | 3.9726 | 3.8996 | PE | 102.2 | PE125 | 5.9 | 40 | 146,709.56 | 1,460.000 | 0.0162 | 89.20 |
| 15 | Gradistea | Gradistea | Principala (DN 67B) | G3-G4 | intravilan | 0.00 | 514.48 | 565.93 | 13.00 | 0.013 | 3.8996 | 3.8978 | PE | 102.2 | PE125 | 5.0 | 40 | 123,485.27 | 1,460.000 | 0.0169 | 84.14 |
| 16 | Gradistea | Gradistea | Principala (DN 67B) | G4-21a | intravilan | 12.98 | 128.62 | 141.48 | 197.00 | 0.197 | 3.8978 | 3.8693 | PE | 102.2 | PE125 | 1.2 | 40 | 30,871.32 | 1,460.000 | 0.0239 | 51.83 |
| 17 | Gradistea | Gradistea | Principala (DN 67B) | 21a-21b | intravilan | 0.00 | 115.64 | 127.20 | 6.00 | 0.006 | 3.8693 | 3.8684 | OL | 104.0 | 4 | 1.1 | 20 | 27,275.47 | 208.000 | 0.0246 | 50.02 |
| 18 | Gradistea | Gradistea | Principala (DN 67B) | 21b-22a | intravilan | 15.34 | 115.64 | 127.20 | 230.00 | 0.230 | 3.8684 | 3.8352 | PE | 102.2 | PE125 | 1.1 | 40 | 27,755.86 | 1,460.000 | 0.0245 | 50.02 |
| 19 | Gradistea | Gradistea | Principala (DN 67B) | 22a-22b | intravilan | 0.00 | 100.30 | 110.33 | 16.00 | 0.016 | 3.8352 | 3.8329 | OL | 104.0 | 4 | 1.0 | 20 | 23,657.30 | 208.000 | 0.0255 | 47.68 |
| 20 | Gradistea | Gradistea | Principala (DN 67B) | 22b-G5 | intravilan | 12.98 | 100.30 | 110.33 | 176.00 | 0.176 | 3.8329 | 3.8074 | PE | 102.2 | PE125 | 1.0 | 40 | 24,073.96 | 1,460.000 | 0.0254 | 47.67 |
| 21 | Gradistea | Gradistea | Principala (DN 67B) | G5-G6 | intravilan | 40.12 | 40.12 | 44.13 | 492.00 | 0.492 | 3.8074 | 3.7363 | PE | 73.6 | PE90 | 0.8 | 40 | 13,371.52 | 1,051.429 | 0.0294 | 34.11 |
| 22 | Gradistea | Gradistea | Baiesti (DJ 676F) | G4-IE/G2 | intravilan | 3.54 | 385.86 | 424.45 | 304.00 | 0.304 | 3.7363 | 3.6923 | PE | 102.2 | PE125 | 3.9 | 40 | 92,613.95 | 1,460.000 | 0.0181 | 76.82 |
| 23 | Gradistea | Gradistea | Baiesti (DJ 676F) | IE/G2-S3a | extravilan | 0.00 | 382.32 | 420.55 | 493.00 | 0.493 | 3.6923 | 3.6211 | PE | 102.2 | PE125 | 3.9 | 40 | 91,764.28 | 1,460.000 | 0.0182 | 76.81 |
| 24 | Gradistea | Gradistea | Baiesti (DJ 676F) | S3a-S3b | extravilan | 0.00 | 382.32 | 420.55 | 77.00 | 0.077 | 3.6211 | 3.6099 | PE | 102.2 | PE125 | 4.0 | 40 | 91,764.28 | 1,460.000 | 0.0182 | 76.98 |
| 25 | Gradistea | Gradistea | Baiesti (DJ 676F) | S3b-G8 | extravilan | 0.00 | 382.32 | 420.55 | 543.00 | 0.543 | 3.6099 | 3.5315 | PE | 102.2 | PE125 | 4.0 | 40 | 91,764.28 | 1,460.000 | 0.0182 | 77.18 |
| 26 | Gradistea | Dobricea | Baiesti (DJ 676F) | G8-G9 | intravilan | 1.18 | 382.32 | 420.55 | 39.00 | 0.039 | 3.5315 | 3.5258 | PE | 102.2 | PE125 | 4.1 | 40 | 91,764.28 | 1,460.000 | 0.0182 | 77.36 |
| 27 | Gradistea | Dobricea | Olteului (DC 75) | G9-G10 | intravilan | 0.00 | 364.62 | 401.08 | 9.00 | 0.009 | 3.5258 | 3.5245 | PE | 102.2 | PE125 | 3.9 | 40 | 87,515.94 | 1,460.000 | 0.0184 | 76.10 |
| 28 | Gradistea | Dobricea | Oltetului (DC 75) | G10-23a | intravilan | 4.72 | 49.56 | 54.52 | 102.00 | 0.102 | 3.5245 | 3.5098 | PE | 73.6 | PE90 | 1.0 | 40 | 16,517.76 | 1,051.429 | 0.0279 | 37.25 |
| 29 | Gradistea | Dobricea | Oltetului (DC 75) | 23a-23b | intravilan | 0.00 | 44.88 | 49.37 | 20.00 | 0.020 | 3.5098 | 3.5069 | OL | 80.5 | 3 | 0.8 | 20 | 13,675.86 | 161.000 | 0.0293 | 36.16 |
| 30 | Gradistea | Dobricea | Oltetului (DC 75) | 23b-24a | intravilan | 3.54 | 44.84 | 49.32 | 110.00 | 0.110 | 3.5069 | 3.4910 | PE | 73.6 | PE90 | 0.9 | 40 | 14,944.64 | 1,051.429 | 0.0286 | 36.00 |
| 31 | Gradistea | Dobricea | Oltetului (DC 75) | 24a-24b | intravilan | 0.00 | 41.30 | 45.43 | 3.00 | 0.003 | 3.4910 | 3.4905 | OL | 80.5 | 3 | 0.7 | 20 | 12,584.96 | 161.000 | 0.0299 | 35.16 |
| 32 | Gradistea | Dobricea | Oltetului (DC 75) | 24b-25a | intravilan | 38.94 | 41.30 | 45.43 | 426.00 | 0.426 | 3.4905 | 3.4290 | PE | 73.6 | PE90 | 0.9 | 40 | 13,764.80 | 1,051.429 | 0.0292 | 35.06 |
| 33 | Gradistea | Dobricea | Oltetului (DC 75) | 25a-25b | intravilan | 0.00 | 2.36 | 2.60 | 4.00 | 0.004 | 3.4290 | 3.4284 | OL | 80.5 | 3 | 0.0 | 20 | 719.14 | 161.000 | 0.0611 | 12.96 |
| 34 | Gradistea | Dobricea | Oltetului (DC 75) | 25b-G17 | intravilan | 2.36 | 2.36 | 2.60 | 47.00 | 0.047 | 3.4284 | 3.4216 | PE | 73.6 | PE90 | 0.1 | 40 | 786.56 | 1,051.429 | 0.0597 | 12.90 |
| 35 | Gradistea | Dobricea | Oltetului (DC 75) | G9-G16 | intravilan | 16.52 | 16.52 | 18.17 | 202.00 | 0.202 | 3.5258 | 3.4966 | PE | 73.6 | PE90 | 0.3 | 40 | 5,505.92 | 1,051.429 | 0.0367 | 25.37 |

Caracteristici tehnice:

| Tip fluid | Temperatura (°C) | | | Presiunea (bar) | | |
|---|---|---|---|---|---|---|
| Gaz metan | Min. -30 | Max. +50 | Lucru +22 | Min. 0,05 | Max. 6 | Lucru 4,50 |
| Proba de rezistenta | | | | | | |
| Fluid | Pres. (bar) | Temp. min. (°C) | | Timp (ore) | | |
| Aer | 9 | 5 | | 1 | | |
| Proba de etanseitate | | | | | | |
| Fluid | Pres. (bar) | Temp. min. (°C) | | Timp (ore) | | |
| Aer | 6 | 5 | | 24 | | |
| Protectie anticoroziva | | | | | | |
| Grunduire | | Vopsire | | | | |
| - | | - | | | | |
| Examinare suduri | | | | | | |
| Sudura cap la cap | | Electrofuziune | | | | |
| VT | 100% | VT | 100% | | | |
| MT | - | MT | - | | | |
| PT | - | PT | - | | | |
| UT | - | UT | - | | | |
| RT | - | RT | - | | | |

| Nr. crt. | Nume UAT | Nume sat | Nume strada | Tronson | Categorie teren | Lungimea fizica (m) | Material tubular | Diametrul Dn (in) | Debit de calcul (Nmc/h) | Viteza de calcul (m/s) | Presiunea intrare P1 (bar) | Presiunea iesire P2 (bar) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| UAT GRADISTEA, SAT DOBRICEA - INTRAVILAN | | | | | | | | | | | | |
| 1 | Gradistea | Dobricea | Baiesti (DJ 676F) | G8-G9 | intravilan | 39 | PEID PE100 | PE125 | 382.32 | 4.1 | 3.5315 | 3.5258 |
| 2 | Gradistea | Dobricea | Olteului (DC 75) | G9-G10 | intravilan | 9 | PEID PE100 | PE125 | 364.62 | 3.9 | 3.5258 | 3.5245 |
| 3 | Gradistea | Dobricea | Oltetului (DC 75) | G10-23a | intravilan | 102 | PEID PE100 | PE90 | 49.56 | 1.0 | 3.5245 | 3.5098 |
| 4 | Gradistea | Dobricea | Oltetului (DC 75) | 23a-23b | intravilan | 20 | OL | 3"(88,9x4,5) | 44.88 | 0.8 | 3.5098 | 3.5069 |
| 5 | Gradistea | Dobricea | Oltetului (DC 75) | 23b-24a | intravilan | 110 | PEID PE100 | PE90 | 44.84 | 0.9 | 3.5069 | 3.4910 |
| 6 | Gradistea | Dobricea | Oltetului (DC 75) | 24a-24b | intravilan | 3 | OL | 3"(88,9x4,5) | 41.30 | 0.7 | 3.4910 | 3.4905 |
| 7 | Gradistea | Dobricea | Oltetului (DC 75) | 24b-25a | intravilan | 426 | PEID PE100 | PE90 | 41.30 | 0.9 | 3.4905 | 3.4290 |
| 8 | Gradistea | Dobricea | Oltetului (DC 75) | 25a-25b | intravilan | 4 | OL | 3"(88,9x4,5) | 2.36 | 0.0 | 3.4290 | 3.4284 |
| 9 | Gradistea | Dobricea | Oltetului (DC 75) | 25b-G17 | intravilan | 47 | PEID PE100 | PE90 | 2.36 | 0.1 | 3.4284 | 3.4216 |
| 10 | Gradistea | Dobricea | Oltetului (DC 75) | G9-G16 | intravilan | 202 | PEID PE100 | PE90 | 16.52 | 0.3 | 3.5258 | 3.4966 |

Lungimi conducte de distributie gaze naturale in intravilan:
com. Gradistea, sat Dobricea
Lungimea totala: L=962 m, din care:
Conducta PEHD PE100 SDR11 Dn 125 mm L=48 m
Conducta PEHD PE100 SDR11 Dn 90 mm L=887 m
Conducta OL 3"(88,9x4,5) L=27 m

| Nr. crt. | Nume UAT | Nume sat | Nume strada | Tronson | Categorie teren | Lungimea fizica (m) | Material tubular | Diametrul Dn (in) | Debit de calcul (Nmc/h) | Viteza de calcul (m/s) | Presiunea intrare P1 (bar) | Presiunea iesire P2 (bar) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| UAT GRADISTEA, SATGRADISTEA - INTRAVILAN | | | | | | | | | | | | |
| 1 | Gradistea | Gradistea | Principala (DN 67B) | IE/G1-18a | intravilan | 351 | PEID PE100 | PE125 | 715.08 | 6.6 | 4.1309 | 4.0802 |
| 2 | Gradistea | Gradistea | Principala (DN 67B) | 18a-18b | intravilan | 6 | OL | 4"(114,3x5,6) | 682.04 | 6.1 | 4.0802 | 4.0793 |
| 3 | Gradistea | Gradistea | Principala (DN 67B) | 18b-19a | intravilan | 276 | PEID PE100 | PE125 | 682.04 | 6.3 | 4.0793 | 4.0394 |
| 4 | Gradistea | Gradistea | Principala (DN 67B) | 19a-19b | intravilan | 10 | OL | 4"(114,3x5,6) | 652.54 | 5.9 | 4.0394 | 4.0380 |
| 5 | Gradistea | Gradistea | Principala (DN 67B) | 19b-20a | intravilan | 442 | PEID PE100 | PE125 | 652.54 | 6.1 | 4.0380 | 3.9741 |
| 6 | Gradistea | Gradistea | Principala (DN 67B) | 20a-20b | intravilan | 10 | OL | 4"(114,3x5,6) | 611.24 | 5.6 | 3.9741 | 3.9726 |
| 7 | Gradistea | Gradistea | Principala (DN 67B) | 20b-G3 | intravilan | 505 | PEID PE100 | PE125 | 611.24 | 5.9 | 3.9726 | 3.8996 |
| 8 | Gradistea | Gradistea | Principala (DN 67B) | G3-G4 | intravilan | 13 | PEID PE100 | PE125 | 514.48 | 5.0 | 3.8996 | 3.8978 |
| 9 | Gradistea | Gradistea | Principala (DN 67B) | G4-21a | intravilan | 197 | PEID PE100 | PE125 | 128.62 | 1.2 | 3.8978 | 3.8693 |
| 10 | Gradistea | Gradistea | Principala (DN 67B) | 21a-21b | intravilan | 6 | OL | 4"(114,3x5,6) | 115.64 | 1.1 | 3.8693 | 3.8684 |
| 11 | Gradistea | Gradistea | Principala (DN 67B) | 21b-22a | intravilan | 230 | PEID PE100 | PE125 | 115.64 | 1.1 | 3.8684 | 3.8352 |
| 12 | Gradistea | Gradistea | Principala (DN 67B) | 22a-22b | intravilan | 16 | OL | 4"(114,3x5,6) | 100.30 | 1.0 | 3.8352 | 3.8329 |
| 13 | Gradistea | Gradistea | Principala (DN 67B) | 22b-G5 | intravilan | 176 | PEID PE100 | PE125 | 100.30 | 1.0 | 3.8329 | 3.8074 |
| 14 | Gradistea | Gradistea | Principala (DN 67B) | G5-G6 | intravilan | 492 | PEID PE100 | PE90 | 40.12 | 0.8 | 3.8074 | 3.7363 |
| 15 | Gradistea | Gradistea | Baiesti (DJ 676F) | G4-IE/G2 | intravilan | 304 | PEID PE100 | PE125 | 385.86 | 3.9 | 3.7363 | 3.6923 |
| UAT GRADISTEA, SAT GRADISTEA - EXTRAVILAN | | | | | | | | | | | | |
| 1 | Gradistea | Gradistea | Principala (DN 67B) | G2-IE/G1 | extravilan | 28 | PEID PE100 | PE125 | 715.08 | 6.5 | 4.1350 | 4.1309 |
| 2 | Gradistea | Gradistea | Baiesti (DJ 676F) | IE/G2-S3a | extravilan | 493 | PEID PE100 | PE125 | 382.32 | 3.9 | 3.6923 | 3.6211 |
| 3 | Gradistea | Gradistea | Baiesti (DJ 676F) | S3a-S3b | extravilan | 77 | PEID PE100 | PE125 | 382.32 | 4.0 | 3.6211 | 3.6099 |
| 4 | Gradistea | Gradistea | Baiesti (DJ 676F) | S3b-G8 | extravilan | 543 | PEID PE100 | PE125 | 382.32 | 4.0 | 3.6099 | 3.5315 |

Lungimi conducte de distributie gaze naturale in intravilan:
com. Gradistea, sat Gradistea
Lungimea totala: L=3.034 m, din care:
Conducta PEHD PE100 SDR11 Dn 125 mm L=2.494 m
Conducta PEHD PE100 SDR11 Dn 90 mm L=492 m
Conducta OL 4"(114,3x5,6) L=48 m

Lungimi conducte de distributie gaze naturale in extravilan:
com. Gradistea, sat Gradistea
Lungimea totala: L=1.141 m, din care:
Conducta PEHD PE100 SDR11 Dn 125 mm L=1.141 m

Tronson: G4-IE/G2 / PEHD100
SDR11 Pn16 Dn125mm, L=304m
Q=385,86 Nmc/h, V=3,9m/s
Pi=3,7363bar, Pe=3,6923bar
Intravilan com. Gradistea,
sat Gradistea

Tronson: IE/G2-S3a / PEHD100
SDR11 Pn16 Dn125mm, L=493m
Q=382,32 Nmc/h, V=3,9m/s
Pi=3,6923bar, Pe=3,6211bar
Extravilan com. Gradistea,
sat Gradistea

Tronson: S3a-S3b / PEHD100
SDR11 Pn16 Dn125mm, L=77m
Q=382,32 Nmc/h, V=4,0m/s
Pi=3,6211bar, Pe=3,6099bar
Extravilan com. Gradistea,
sat Gradistea

Tronson: S3b-G8 / PEHD100
SDR11 Pn16 Dn125mm, L=543m
Q=382,32 Nmc/h, V=4,0m/s
Pi=3,6099bar, Pe=3,5315bar
Extravilan com. Gradistea,
sat Gradistea

Tronson: G8-G9 / PEHD100
SDR11 Pn16 Dn125mm, L=39m
Q=382,32 Nmc/h, V=4,1m/s
Pi=3,5315bar, Pe=3,5258bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: G9-G16 / PEHD100
SDR11 Pn16 Dn90mm, L=202m
Q=16,52 Nmc/h, V=0,3m/s
Pi=3,5258bar, Pe=3,4966bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: G9-G10 / PEHD100
SDR11 Pn16 Dn125mm, L=9m
Q=364,62 Nmc/h, V=3,9m/s
Pi=3,5258bar, Pe=3,5245bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 23a-23b / OL
⌀3'' (88,9x4,5), L=20m
Q=44,88 Nmc/h, V=0,8m/s
Pi=3,5098bar, Pe=3,5069bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: G10-23a / PEHD100
SDR11 Pn16 Dn90mm, L=102m
Q=49,56 Nmc/h, V=1,0m/s
Pi=3,5245bar, Pe=3,5098bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 23b-24a / PEHD100
SDR11 Pn16 Dn90mm, L=110m
Q=44,84 Nmc/h, V=0,9m/s
Pi=3,5069bar, Pe=3,4910bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 24a-24b / OL
⌀3'' (88,9x4,5), L=3m
Q=41,30 Nmc/h, V=0,7m/s
Pi=3,4910bar, Pe=3,4905bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 24b-25a / PEHD100
SDR11 Pn16 Dn90mm, L=426m
Q=41,30 Nmc/h, V=0,9m/s
Pi=3,4905bar, Pe=3,4290bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 25a-25b / OL
⌀3'' (88,9x4,5), L=4m
Q=2,36 Nmc/h, V=0,1m/s
Pi=3,4290bar, Pe=3,4284bar
Intravilan com. Gradistea,
sat Dobricea

Tronson: 25b-G17 / PEHD100
SDR11 Pn16 Dn90mm, L=47m
Q=2,36 Nmc/h, V=0,1m/s
Pi=3,4284bar, Pe=3,4216bar
Intravilan com. Gradistea,
sat Dobricea

SAT DOBRICEA

str. Oltetului DC 75

str. Baiesti DJ 676F

Extravilan

Intravilan

## Comuna Livezi, jud. Valcea

| REV. | DATA | DESCRIEREA MODIFICĂRII | PROIECTAT | VERIFICAT/APROBAT |
|---|---|---|---|---|
| VERIFICATOR | | CERINTA | NR. AUTORIZATIE | |


HAGAG ENERGY

**Proiectant General:**
**HAGAG DISTRIBUTIE SI FURNIZARE S.R.L.**
Bucuresti, Str. Ghetarilor, nr. 23-25, etaj 4, sector 1,
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email:suport@hagagenergy.com: www: hagagenergy.com
Autorizatia A.N.R.E. tip PDSB nr. 24635/28.08.2025

**Proiectant de Specialitate:**
**OLTGAZ INVEST S.R.L.**
Dragasani, str. Al. Trandafirilor, bl. E, sc. B, apt. 12, jud. Valcea
J38/974/12.11.2018, CIF RO40143212
tel: 0747 307422; email:slintoiu@yahoo.com
Autorizatia A.N.R.E. tip PDSB nr. 23110/19.12.2023


| Specificatie | Nume | Semnatura |
|---|---|---|
| Sef proiect | Ing. Lintoiu Vasile Sorin | |
| Proiectat | Ing. Lintoiu Vasile Sorin | |
| Desenat | Ing. Lintoiu Vasile Sorin | |

PROIECT:
"Infiintare sistem inteligent de distributie gaze naturale in cadrul parteneriatului Berbesti-Sinesti-Gradistea, judetul Valcea"

Beneficiar: "ASOCIATIA DE DEZVOLTARE INTERCOMUNITARA BERBESTI-SINESTI-GRADISTEA"
**Oras Berbesti:** oras Berbesti, sat Tg. Gangulesti, sat Dealu Alunis;
**Com. Sinesti:** sat Urzica, sat Dealu Bisericii, sat Mijlocu, sat Sinesti;
**Com. Gradistea:** sat Linia, sat Gradistea, sat Dobricea

Scara: -

TITLU PLANSA: Schema hidraulica a retelei - com. Gradistea

Data: mai 2026

PROIECT NR.: 54_SD/2025

Rev. 0

Faza: P.T.

PLANSA NR.: G_12

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