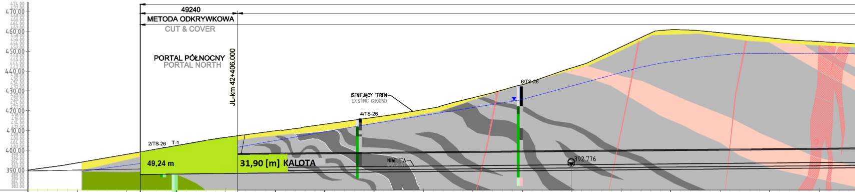
**STAN NA DZIEŃ:** 29.03.2021

🟩 **- Roboty wykonane**

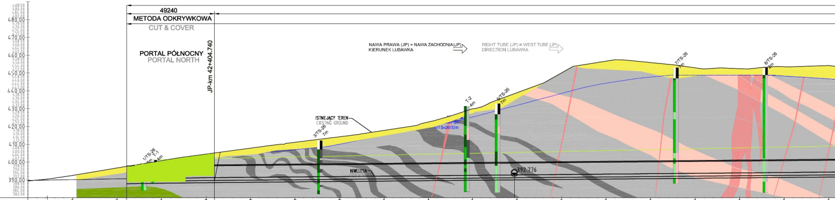
**NAWA LEWA (JL) = NAWA WSCHODNIA (JL)**
**KIERUNEK LEGNICA**



49240
METODA ODKRYWKOWA
CUT & COVER
PORTAL PÓŁNOCNY
PORTAL NORTH
JL-km 42+406.000
2/TS-26
T-1
4/TS-26
6/TS-26
ISTNIEJĄCY TEREN
EXISTING GROUND
NIWELETA
GRADIENT
392.776
49,24 m
31,90 [m] KALOTA
470.00
460.00
450.00
440.00
430.00
420.00
410.00
400.00
390.00

mnpm = 380.00

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KILOMETRAŻ - JL [km]<br>CHAINAGE - JL [km] | 42+325.000 | 42+350.000 | 42+375.000 | 42+400.000 | 42+425.000 | 42+450.000 | 42+475.000 | 42+500.000 | 42+525.000 | 42+550.000 | 42+575.000 | 42+600.000 | 42+625.000 | 42+650.000 | 42+675.000 | 42+700.000 |
| POZIOM TERENU ISTNIEJĄCEGO [m]<br>EXISTING GROUND LEVEL [m] | 393.736 | 398.049 | 402.432 | 406.597 | 409.920 | 413.236 | 416.716 | 420.597 | 426.566 | 433.122 | 441.633 | 452.234 | 460.873 | 459.368 | 456.809 | 454.912 |
| POZIOM NIWELETY [m]<br>GRADIENT LEVEL [m] | | | 390.893 | 391.192 | 391.436 | 391.659 | 391.883 | 392.107 | 392.331 | 392.555 | 392.779 | 393.002 | 393.226 | 393.450 | 393.674 | 393.898 |
| WYJŚCIE AWARYJNE<br>CROSS PASSAGE | | 42+356.760<br>JL-km | | | | | 217990mm | | | | 42+574.750<br>JL-km<br>CPP1 | | | | 187500mm | |

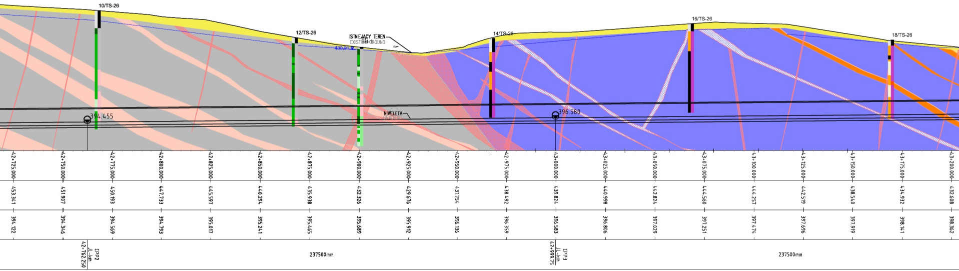


49240
METODA ODKRYWKOWA
CUT & COVER
PORTAL PÓŁNOCNY
PORTAL NORTH
JP-km 42+404.740
NAWA PRAWA (JP) = NAWA ZACHODNIA (JP)
KIERUNEK LUBAWKA
RIGHT TUBE (JP) = WEST TUBE (JP)
DIRECTION LUBAWKA
1/TS-26
T-1
4m
3/TS-26
7m
T-2
4m
6/TS-26
7m
7/TS-26
8/TS-26
ISTNIEJĄCY TEREN
EXISTING GROUND
NIWELETA
GRADIENT
392.776
480.00
470.00
460.00
450.00
440.00
430.00
420.00
410.00
400.00
390.00

mnpm = 380.00

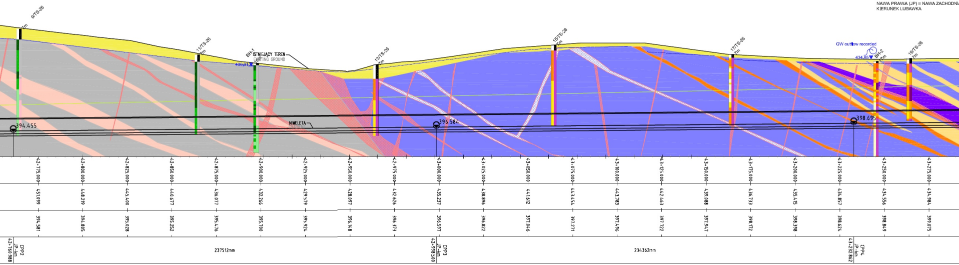
| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KILOMETRAŻ - JP [km]<br>CHAINAGE - JP [km] | 42+325.000 | 42+350.000 | 42+375.000 | 42+400.000 | 42+425.000 | 42+450.000 | 42+475.000 | 42+500.000 | 42+525.000 | 42+550.000 | 42+575.000 | 42+600.000 | 42+625.000 | 42+650.000 | 42+675.000 | 42+700.000 | 42+725.000 | 42+750.000 |
| POZIOM TERENU ISTNIEJĄCEGO [m]<br>EXISTING GROUND LEVEL [m] | 392.459 | 396.668 | 400.795 | 404.494 | 407.838 | 411.091 | 414.193 | 417.787 | 422.581 | 429.928 | 438.942 | 450.090 | 456.673 | 455.888 | 452.958 | 452.452 | 453.571 | 454.241 |
| POZIOM NIWELETY [m]<br>GRADIENT LEVEL [m] | | | 390.910 | 391.206 | 391.447 | 391.671 | 391.895 | 392.118 | 392.342 | 392.566 | 392.790 | 393.014 | 393.238 | 393.462 | 393.685 | 393.909 | 394.133 | 394.357 |
| WYJŚCIE AWARYJNE<br>CROSS PASSAGE | | 42+355.500<br>JP-km | | | | | 217988mm | | | | 42+573.488<br>JP-km<br>CPP1 | | | | 187500mm | | | |

**1117990 (CPV)**

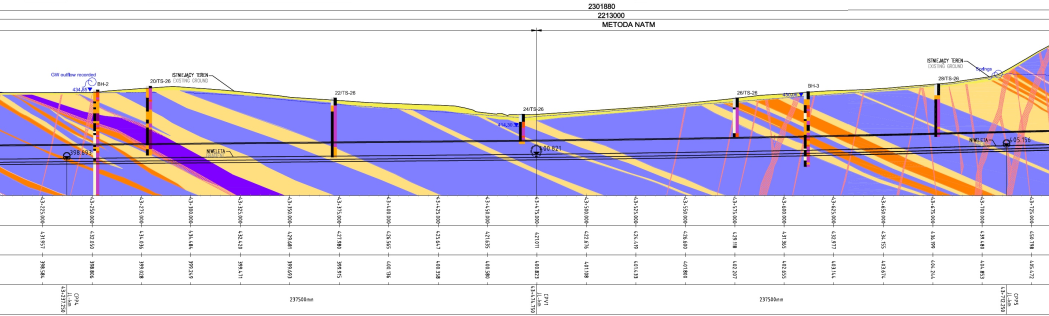

10/TS-26
12/TS-26
ISTNIEJĄCY TEREN
EXISTING GROUND
BH-1
430,91
14/TS-26
16/TS-26
18/TS-26
394.455
NIWELETA
GRADIENT
396.580
42+725.000
42+750.000
42+775.000
42+800.000
42+825.000
42+850.000
42+875.000
42+900.000
42+925.000
42+950.000
42+975.000
43+000.000
43+025.000
43+050.000
43+075.000
43+100.000
43+125.000
43+150.000
43+175.000
43+200.000
453.341
451.907
450.193
447.733
445.597
440.294
435.938
432.326
429.676
431.754
438.492
439.824
440.998
442.824
444.560
444.257
442.519
438.540
434.932
432.608
394.122
394.346
394.569
394.793
395.017
395.241
395.465
395.689
395.912
396.136
396.359
396.583
396.806
397.029
397.251
397.474
397.696
397.919
398.141
398.362
CPP2
JL-km
42+762.250
237500mm
CPP3
JL-km
42+999.75
237500mm

**1110388 (CPV)**

NAWA PRAWA (JP) = NAWA ZACHODNIA
KIERUNEK LUBAWKA

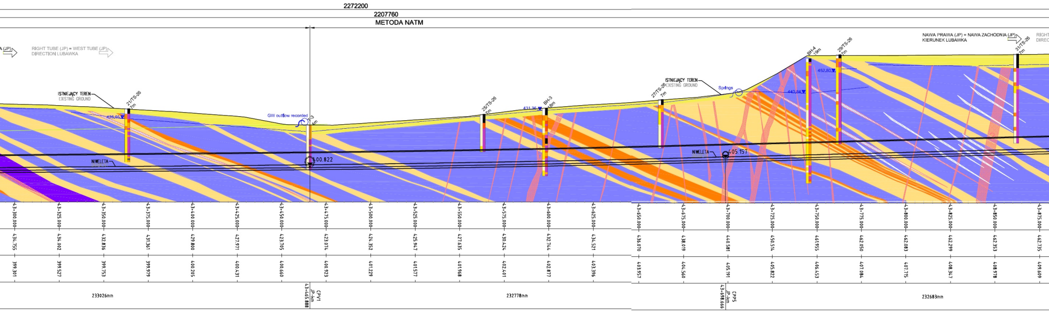

9/TS-26
7m
11/TS-26
7m
BH-1
16m
ISTNIEJĄCY TEREN
EXISTING GROUND
430,91
13/TS-26
7m
15/TS-26
7m
17/TS-26
7m
GW outflow recorded
434,85
BH-2
17m
19/TS-26
7m
394.455
NIWELETA
GRADIENT
396.584
398.695
42+775.000
42+800.000
42+825.000
42+850.000
42+875.000
42+900.000
42+925.000
42+950.000
42+975.000
43+000.000
43+025.000
43+050.000
43+075.000
43+100.000
43+125.000
43+150.000
43+175.000
43+200.000
43+225.000
43+250.000
43+275.000
451.099
448.219
445.400
440.677
436.077
432.266
429.579
428.097
432.626
435.237
438.896
441.612
443.454
443.783
442.463
439.088
436.733
435.415
434.857
434.556
434.984
394.581
394.805
395.028
395.252
395.476
395.700
395.924
396.148
396.373
396.597
396.822
397.046
397.271
397.496
397.722
397.947
398.172
398.398
398.624
398.849
399.075
CPP2
JP-km
42+760.988
237512mm
CPP3
JP-km
42+998.500
234362mm
CPP4
JP-km
43+232.862

# TS-26
# NAWA LEWA

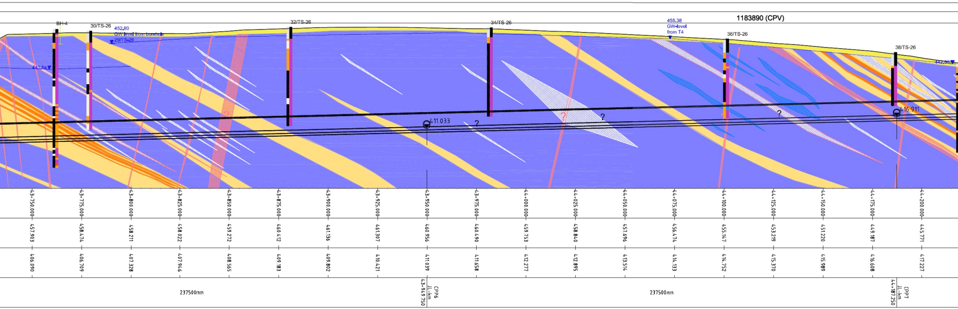

2301880
2213000
METODA NATM
GW outflow recorded
434,85
BH-2
20/TS-26
ISTNIEJĄCY TEREN
EXISTING GROUND
22/TS-26
24/TS-26
414,30
398.693
NIWELETA
GRADIENT
400.821
26/TS-26
BH-3
430,06
ISTNIEJĄCY TEREN
EXISTING GROUND
Springs
28/TS-26
NIWELETA
GRADIENT
405.156
CPP4
JL-km
43+237.250
237500mm
CPV1
JL-km
43+474.750
237500mm
CPP5
JL-km
43+712.250

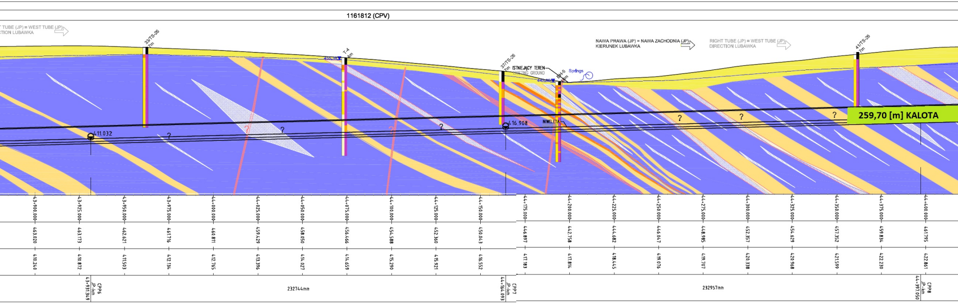
| | | |
|---|---|---|
| 43+225.000 | 431.957 | 398.584 |
| 43+250.000 | 432.050 | 398.806 |
| 43+275.000 | 434.036 | 399.028 |
| 43+300.000 | 434.484 | 399.249 |
| 43+325.000 | 432.420 | 399.471 |
| 43+350.000 | 429.681 | 399.693 |
| 43+375.000 | 427.980 | 399.915 |
| 43+400.000 | 426.565 | 400.136 |
| 43+425.000 | 425.647 | 400.358 |
| 43+450.000 | 421.635 | 400.580 |
| 43+475.000 | 421.011 | 400.823 |
| 43+500.000 | 422.676 | 401.108 |
| 43+525.000 | 424.419 | 401.433 |
| 43+550.000 | 426.600 | 401.800 |
| 43+575.000 | 429.118 | 402.207 |
| 43+600.000 | 431.365 | 402.655 |
| 43+625.000 | 432.977 | 403.144 |
| 43+650.000 | 434.155 | 403.674 |
| 43+675.000 | 436.199 | 404.244 |
| 43+700.000 | 439.480 | 404.853 |
| 43+725.000 | 450.798 | 405.472 |

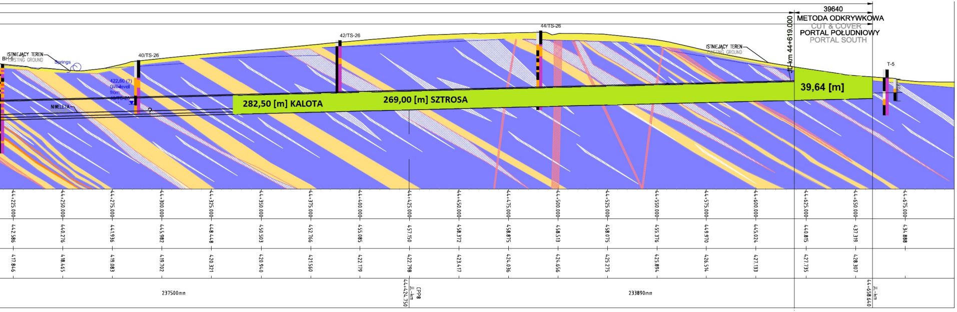
# TS-26
# NAWA PRAWA


2272200
2207760
METODA NATM
A (JP)
RIGHT TUBE (JP) = WEST TUBE (JP)
DIRECTION LUBAWKA
ISTNIEJĄCY TEREN
EXISTING GROUND
21/TS-26
7m
426,66
NIWELETA
GRADIENT
GW outflow recorded
T-3
4m
400.822
25/TS-26
7m
BH-3
18m
431,36
27/TS-26
7m
ISTNIEJĄCY TEREN
EXISTING GROUND
Springs
NIWELETA
GRADIENT
405.157
BH-4
19m
440,84
29/TS-26
7m
452,80
NAWA PRAWA (JP) = NAWA ZACHODNIA (JP)
KIERUNEK LUBAWKA
31/TS-26
7m
RIGHT
DIREC
233026mm
CPV1
JP-km
43+465.888
232778mm
CPP5
JP-km
43+698.666
232683mm

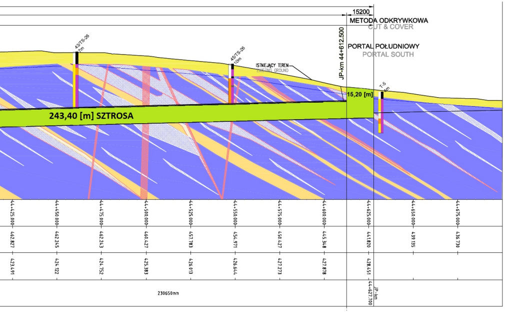
| | | |
|---|---|---|
| 43+300.000 | 434.755 | 399.301 |
| 43+325.000 | 434.002 | 399.527 |
| 43+350.000 | 432.836 | 399.753 |
| 43+375.000 | 431.361 | 399.979 |
| 43+400.000 | 429.800 | 400.205 |
| 43+425.000 | 427.971 | 400.431 |
| 43+450.000 | 423.705 | 400.660 |
| 43+475.000 | 423.074 | 400.923 |
| 43+500.000 | 424.352 | 401.229 |
| 43+525.000 | 425.947 | 401.577 |
| 43+550.000 | 427.635 | 401.968 |
| 43+575.000 | 430.424 | 402.401 |
| 43+600.000 | 432.744 | 402.877 |
| 43+625.000 | 434.521 | 403.396 |
| 43+650.000 | 436.070 | 403.957 |
| 43+675.000 | 438.019 | 404.560 |
| 43+700.000 | 440.581 | 405.191 |
| 43+725.000 | 450.514 | 405.822 |
| 43+750.000 | 461.955 | 406.453 |
| 43+775.000 | 462.050 | 407.084 |
| 43+800.000 | 462.083 | 407.715 |
| 43+825.000 | 462.299 | 408.347 |
| 43+850.000 | 462.353 | 408.978 |
| 43+875.000 | 462.735 | 409.609 |


1183890 (CPV)
BH-4
30/TS-26
452.80
GW level from borehole
29/TS-26
440.84
32/TS-26
34/TS-26
455.38
GW-level
from T4
36/TS-26
38/TS-26
442.86
411.033
416.911
?
?
?
?
43+750.000
43+775.000
43+800.000
43+825.000
43+850.000
43+875.000
43+900.000
43+925.000
43+950.000
43+975.000
44+000.000
44+025.000
44+050.000
44+075.000
44+100.000
44+125.000
44+150.000
44+175.000
44+200.000
457.903
458.474
458.211
458.022
459.272
460.412
461.136
461.307
460.956
460.490
459.753
458.840
457.696
456.474
455.147
453.219
451.220
449.187
445.771
406.090
406.709
407.328
407.946
408.565
409.183
409.802
410.421
411.039
411.658
412.277
412.895
413.514
414.133
414.752
415.370
415.989
416.608
417.227
237500mm
CPP6
JL-km
43+949.750
237500mm
CPP7
JL-km
44+187.250


1161812 (CPV)
T TUBE (JP) = WEST TUBE (JP)
CTION LUBAWKA
33/TS-26
7m
T-4
4m
455.38
37/TS-26
7m
ISTNIEJĄCY TEREN
EXISTING GROUND
BH-5
4m
442.86
Springs
NIWELETA
NAWA PRAWA (JP) = NAWA ZACHODNIA (JP)
KIERUNEK LUBAWKA
RIGHT TUBE (JP) = WEST TUBE (JP)
DIRECTION LUBAWKA
41/TS-26
7m
259,70 [m] KALOTA
411.032
416.908
?
?
?
?
?
?
?
?
43+900.000
43+925.000
43+950.000
43+975.000
44+000.000
44+025.000
44+050.000
44+075.000
44+100.000
44+125.000
44+150.000
44+175.000
44+200.000
44+225.000
44+250.000
44+275.000
44+300.000
44+325.000
44+350.000
44+375.000
44+400.000
463.020
463.173
462.621
461.716
460.811
459.429
458.050
456.466
454.588
452.360
450.043
446.897
442.758
444.682
446.047
448.985
452.357
454.629
457.352
459.836
461.795
410.240
410.872
411.503
412.134
412.765
413.396
414.027
414.659
415.290
415.921
416.552
417.183
417.814
418.445
419.076
419.707
420.338
420.968
421.599
422.230
422.861
CPP6
JP-km
43+931.349
232744mm
CPP7
JP-km
44+164.093
232957mm
CPP8
JP-km
44+397.050


39640
METODA ODKRYWKOWA
CUT & COVER
PORTAL POŁUDNIOWY
PORTAL SOUTH
JL-km 44+619.000
ISTNIEJĄCY TEREN
EXISTING GROUND
BH-6
Springs
40/TS-26
422,60 (?)
GW-level
from
40/TS-26
NIWELETA
GRADIENT
?
42/TS-26
44/TS-26
282,50 [m] KALOTA
269,00 [m] SZTROSA
39,64 [m]
T-5
44+225.000
44+250.000
44+275.000
44+300.000
44+325.000
44+350.000
44+375.000
44+400.000
44+425.000
44+450.000
44+475.000
44+500.000
44+525.000
44+550.000
44+575.000
44+600.000
44+625.000
44+650.000
44+675.000
442.586
440.276
441.936
445.982
448.448
450.503
452.766
455.085
457.150
458.372
458.875
458.513
458.075
455.376
449.970
445.024
440.815
437.319
434.888
417.846
418.465
419.083
419.702
420.321
420.940
421.560
422.179
422.798
423.417
424.036
424.656
425.275
425.894
426.514
427.133
427.735
428.307
237500mm
44+424.750
JL-km
CPP8
233890mm
44+658.640
JL-km

**NAWA PRAWA (JP) = NAWA ZACHODNIA (JP)**
**KIERUNEK LUBAWKA** →


15200
METODA ODKRYWKOWA
CUT & COVER
PORTAL POŁUDNIOWY
PORTAL SOUTH
JP-km 44+612.500
43/TS-26
7m
45/TS-26
10m
ISTNIEJĄCY TEREN
EXISTING GROUND
243,40 [m] SZTROSA
15,20 [m]
T-5
4m
44+425.000
44+450.000
44+475.000
44+500.000
44+525.000
44+550.000
44+575.000
44+600.000
44+625.000
44+650.000
44+675.000
462.827
462.245
462.243
460.427
457.783
454.971
450.427
445.348
441.820
439.135
436.730
423.491
424.122
424.752
425.383
426.013
426.644
427.273
427.878
428.451
230650mm
44+627.700
JP-km