

Jednostka projektowa:



Piotr Porczyk, ul. Posłańców 3,
04-409 Warszawa, tel. 691945647,
e-mail: p.porczyk@droprojekt.com.pl
www.droprojekt.com.pl

TABELA MAS ZIEMNYCH PRZEKROJE DO ROBÓT ZIEMNYCH

Nazwa i adres obiektu	„DOKUMENTACJA PROJEKTOWA NA PRZEBUDOWĘ DROGI POWIATOWEJ NR 3524W JEDLŃA LETNISKO - CZARNA”
Nazwa i adres Zamawiającego	Powiatowy Zarząd Dróg Publicznych w Radomiu ul. Graniczna 24 26-600 Radom

Imię i Nazwisko	Stanowisko	Branża	Nr uprawnień	Podpis
mgr inż. Piotr Porczyk	Projektant	Drogowa	MAZ/0175/POOD/11	
mgr inż. Mariusz Duma	Sprawdzający	Drogowa	MAZ/0394/POOD/11	

Warszawa, grudzień 2014

Nr egz. ...

TABELA MAS ZIEMNYCH													
kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
4	626.50	1.20	0.00										
				1.60	0.20	25.00	40.00	5.00	5.00	35.00	0.00		
4	651.50	2.00	0.40									35.00	0.00
				1.95	0.35	25.00	48.75	8.75	8.75	40.00	0.00		
4	676.50	1.90	0.30									75.00	0.00
				2.05	0.20	25.00	51.25	5.00	5.00	46.25	0.00		
4	701.50	2.20	0.10									121.25	0.00
				2.00	0.25	25.00	50.00	6.25	6.25	43.75	0.00		
4	726.50	1.80	0.40									165.00	0.00
				1.75	0.30	25.00	43.75	7.50	7.50	36.25	0.00		
4	751.50	1.70	0.20									201.25	0.00
				1.85	0.10	25.00	46.25	2.50	2.50	43.75	0.00		
4	776.50	2.00	0.00									245.00	0.00
				2.05	0.00	25.00	51.25	0.00	0.00	51.25	0.00		
4	801.50	2.10	0.00									296.25	0.00
				1.90	0.10	25.00	47.50	2.50	2.50	45.00	0.00		
4	826.50	1.70	0.20									341.25	0.00
				1.70	0.15	25.00	42.50	3.75	3.75	38.75	0.00		
4	851.50	1.70	0.10									380.00	0.00
				1.80	0.05	25.00	45.00	1.25	1.25	43.75	0.00		
4	876.50	1.90	0.00									423.75	0.00
				1.85	0.10	25.00	46.25	2.50	2.50	43.75	0.00		
4	901.50	1.80	0.20									467.50	0.00
				1.80	0.20	25.00	45.00	5.00	5.00	40.00	0.00		
4	926.50	1.80	0.20									507.50	0.00
				1.75	0.15	25.00	43.75	3.75	3.75	40.00	0.00		
4	951.50	1.70	0.10									547.50	0.00
				1.70	0.10	25.00	42.50	2.50	2.50	40.00	0.00		
4	976.50	1.70	0.10									587.50	0.00
				1.65	0.10	25.00	41.25	2.50	2.50	38.75	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
5	1.50	1.60	0.10									626.25	0.00
				1.55	0.25	25.00	38.75	6.25	6.25	32.50	0.00		
5	26.50	1.50	0.40									658.75	0.00
				1.65	0.45	25.00	41.25	11.25	11.25	30.00	0.00		
5	51.50	1.80	0.50									688.75	0.00
				1.95	0.50	25.00	48.75	12.50	12.50	36.25	0.00		
5	76.50	2.10	0.50									725.00	0.00
				1.90	0.45	25.00	47.50	11.25	11.25	36.25	0.00		
5	101.50	1.70	0.40									761.25	0.00
				1.50	0.55	25.00	37.50	13.75	13.75	23.75	0.00		
5	126.50	1.30	0.70									785.00	0.00
				1.25	0.70	25.00	31.25	17.50	17.50	13.75	0.00		
5	151.50	1.20	0.70									798.75	0.00
				1.25	0.75	25.00	31.25	18.75	18.75	12.50	0.00		
5	176.50	1.30	0.80									811.25	0.00
				1.20	0.80	25.00	30.00	20.00	20.00	10.00	0.00		
5	201.50	1.10	0.80									821.25	0.00
				1.25	0.50	25.00	31.25	12.50	12.50	18.75	0.00		
5	226.50	1.40	0.20									840.00	0.00
				1.35	0.35	25.00	33.75	8.75	8.75	25.00	0.00		
5	251.50	1.30	0.50									865.00	0.00
				1.30	0.50	25.00	32.50	12.50	12.50	20.00	0.00		
5	276.50	1.30	0.50									885.00	0.00
				1.35	0.50	25.00	33.75	12.50	12.50	21.25	0.00		
5	301.50	1.40	0.50									906.25	0.00
				1.40	0.50	25.00	35.00	12.50	12.50	22.50	0.00		
5	326.50	1.40	0.50									928.75	0.00
				1.45	0.45	25.00	36.25	11.25	11.25	25.00	0.00		
5	351.50	1.50	0.40									953.75	0.00
				1.60	0.35	25.00	40.00	8.75	8.75	31.25	0.00		
5	376.50	1.70	0.30									985.00	0.00
				1.65	0.30	25.00	41.25	7.50	7.50	33.75	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
5	401.50	1.60	0.30									1018.75	0.00
				1.75	0.30	25.00	43.75	7.50	7.50	36.25	0.00	1055.00	0.00
5	426.50	1.90	0.30										
				1.85	0.30	25.00	46.25	7.50	7.50	38.75	0.00	1093.75	0.00
5	451.50	1.80	0.30										
				1.70	0.45	25.00	42.50	11.25	11.25	31.25	0.00	1125.00	0.00
5	476.50	1.60	0.60										
				1.45	0.80	25.00	36.25	20.00	20.00	16.25	0.00	1141.25	0.00
5	501.50	1.30	1.00										
				1.55	0.95	25.00	38.75	23.75	23.75	15.00	0.00	1156.25	0.00
5	526.50	1.80	0.90										
				1.70	1.30	25.00	42.50	32.50	32.50	10.00	0.00	1166.25	0.00
5	551.50	1.60	1.70										
				1.55	1.30	25.00	38.75	32.50	32.50	6.25	0.00	1172.50	0.00
5	576.50	1.50	0.90										
				1.60	0.90	25.00	40.00	22.50	22.50	17.50	0.00	1190.00	0.00
5	601.50	1.70	0.90										
				1.70	0.80	25.00	42.50	20.00	20.00	22.50	0.00	1212.50	0.00
5	626.50	1.70	0.70										
				1.85	0.65	25.00	46.25	16.25	16.25	30.00	0.00	1242.50	0.00
5	651.50	2.00	0.60										
				2.00	0.50	25.00	50.00	12.50	12.50	37.50	0.00	1280.00	0.00
5	676.50	2.00	0.40										
				1.85	0.35	25.00	46.25	8.75	8.75	37.50	0.00	1317.50	0.00
5	701.50	1.70	0.30										
				1.80	0.35	25.00	45.00	8.75	8.75	36.25	0.00	1353.75	0.00
5	726.50	1.90	0.40										
				2.05	0.40	25.00	51.25	10.00	10.00	41.25	0.00	1395.00	0.00
5	751.50	2.20	0.40										
				2.05	0.40	25.00	51.25	10.00	10.00	41.25	0.00	1436.25	0.00
5	776.50	1.90	0.40										
				1.95	0.45	25.00	48.75	11.25	11.25	37.50	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
5	801.50	2.00	0.50									1473.75	0.00
				2.10	0.35	25.00	52.50	8.75	8.75	43.75	0.00		
5	826.50	2.20	0.20									1517.50	0.00
				2.05	0.20	25.00	51.25	5.00	5.00	46.25	0.00		
5	851.50	1.90	0.20									1563.75	0.00
				2.10	0.15	25.00	52.50	3.75	3.75	48.75	0.00		
5	876.50	2.30	0.10									1612.50	0.00
				2.10	0.15	25.00	52.50	3.75	3.75	48.75	0.00		
5	901.50	1.90	0.20									1661.25	0.00
				1.90	0.20	25.00	47.50	5.00	5.00	42.50	0.00		
5	926.50	1.90	0.20									1703.75	0.00
				1.95	0.20	25.00	48.75	5.00	5.00	43.75	0.00		
5	951.50	2.00	0.20									1747.50	0.00
				1.85	0.25	25.00	46.25	6.25	6.25	40.00	0.00		
5	976.50	1.70	0.30									1787.50	0.00
				1.60	0.20	25.00	40.00	5.00	5.00	35.00	0.00		
6	1.50	1.50	0.10									1822.50	0.00
				1.55	0.30	25.00	38.75	7.50	7.50	31.25	0.00		
6	26.50	1.60	0.50									1853.75	0.00
				1.75	0.45	25.00	43.75	11.25	11.25	32.50	0.00		
6	51.50	1.90	0.40									1886.25	0.00
				1.75	0.50	25.00	43.75	12.50	12.50	31.25	0.00		
6	76.50	1.60	0.60									1917.50	0.00
				1.55	0.65	25.00	38.75	16.25	16.25	22.50	0.00		
6	101.50	1.50	0.70									1940.00	0.00
				1.50	3.85	25.00	37.50	96.25	37.50	0.00	58.75		
6	126.50	1.50	7.00									1881.25	0.00
				1.45	3.80	25.00	36.25	95.00	36.25	0.00	58.75		
6	151.50	1.40	0.60									1822.50	0.00
				1.40	0.50	25.00	35.00	12.50	12.50	22.50	0.00		
6	176.50	1.40	0.40									1845.00	0.00
				1.30	0.45	25.00	32.50	11.25	11.25	21.25	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
6	201.50	1.20	0.50									1866.25	0.00
				1.20	0.50	25.00	30.00	12.50	12.50	17.50	0.00		
6	226.50	1.20	0.50									1883.75	0.00
				1.60	0.35	25.00	40.00	8.75	8.75	31.25	0.00		
6	251.50	2.00	0.20									1915.00	0.00
				1.80	0.30	25.00	45.00	7.50	7.50	37.50	0.00		
6	276.50	1.60	0.40									1952.50	0.00
				1.70	0.40	25.00	42.50	10.00	10.00	32.50	0.00		
6	301.50	1.80	0.40									1985.00	0.00
				1.75	0.45	25.00	43.75	11.25	11.25	32.50	0.00		
6	326.50	1.70	0.50									2017.50	0.00
				1.60	0.75	25.00	40.00	18.75	18.75	21.25	0.00		
6	351.50	1.50	1.00									2038.75	0.00
				1.40	0.85	25.00	35.00	21.25	21.25	13.75	0.00		
6	376.50	1.30	0.70									2052.50	0.00
				1.60	0.65	25.00	40.00	16.25	16.25	23.75	0.00		
6	401.50	1.90	0.60									2076.25	0.00
				1.05	0.60	25.00	26.25	15.00	15.00	11.25	0.00		
6	426.50	0.20	0.60									2087.50	0.00
				0.60	0.60	25.00	15.00	15.00	15.00	0.00	0.00		
6	451.50	1.00	0.60									2087.50	0.00
				1.10	0.60	25.00	27.50	15.00	15.00	12.50	0.00		
6	476.50	1.20	0.60									2100.00	0.00
				1.25	0.60	25.00	31.25	15.00	15.00	16.25	0.00		
6	501.50	1.30	0.60									2116.25	0.00
				1.40	0.60	25.00	35.00	15.00	15.00	20.00	0.00		
6	526.50	1.50	0.60									2136.25	0.00
				1.45	0.45	25.00	36.25	11.25	11.25	25.00	0.00		
6	551.50	1.40	0.30									2161.25	0.00
				1.55	0.30	25.00	38.75	7.50	7.50	31.25	0.00		
6	576.50	1.70	0.30									2192.50	0.00
				1.65	0.30	25.00	41.25	7.50	7.50	33.75	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
6	601.50	1.60	0.30									2226.25	0.00
				1.60	0.35	25.00	40.00	8.75	8.75	31.25	0.00		
6	626.50	1.60	0.40									2257.50	0.00
				1.35	0.55	25.00	33.75	13.75	13.75	20.00	0.00		
6	651.50	1.10	0.70									2277.50	0.00
				1.30	0.45	25.00	32.50	11.25	11.25	21.25	0.00		
6	676.50	1.50	0.20									2298.75	0.00
				1.30	0.35	25.00	32.50	8.75	8.75	23.75	0.00		
6	701.50	1.10	0.50									2322.50	0.00
				1.20	0.70	25.00	30.00	17.50	17.50	12.50	0.00		
6	726.50	1.30	0.90									2335.00	0.00
				1.30	0.70	25.00	32.50	17.50	17.50	15.00	0.00		
6	751.50	1.30	0.50									2350.00	0.00
				1.35	0.70	25.00	33.75	17.50	17.50	16.25	0.00		
6	776.50	1.40	0.90									2366.25	0.00
				1.50	0.75	25.00	37.50	18.75	18.75	18.75	0.00		
6	801.50	1.60	0.60									2385.00	0.00
				1.55	0.70	25.00	38.75	17.50	17.50	21.25	0.00		
6	826.50	1.50	0.80									2406.25	0.00
				1.65	0.70	25.00	41.25	17.50	17.50	23.75	0.00		
6	851.50	1.80	0.60									2430.00	0.00
				1.45	0.80	25.00	36.25	20.00	20.00	16.25	0.00		
6	876.50	1.10	1.00									2446.25	0.00
				1.45	0.95	25.00	36.25	23.75	23.75	12.50	0.00		
6	901.50	1.80	0.90									2458.75	0.00
				1.60	1.00	25.00	40.00	25.00	25.00	15.00	0.00		
6	926.50	1.40	1.10									2473.75	0.00
				1.20	1.10	25.00	30.00	27.50	27.50	2.50	0.00		
6	951.50	1.00	1.10									2476.25	0.00
				1.05	0.85	25.00	26.25	21.25	21.25	5.00	0.00		
6	976.50	1.10	0.60									2481.25	0.00
				1.20	0.70	25.00	30.00	17.50	17.50	12.50	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
7	1.50	1.30	0.80									2493.75	0.00
				1.50	0.90	25.00	37.50	22.50	22.50	15.00	0.00		
7	26.50	1.70	1.00									2508.75	0.00
				1.45	0.95	25.00	36.25	23.75	23.75	12.50	0.00		
7	51.50	1.20	0.90									2521.25	0.00
				1.25	0.85	25.00	31.25	21.25	21.25	10.00	0.00		
7	76.50	1.30	0.80									2531.25	0.00
				1.20	0.80	25.00	30.00	20.00	20.00	10.00	0.00		
7	101.50	1.10	0.80									2541.25	0.00
				1.15	0.80	25.00	28.75	20.00	20.00	8.75	0.00		
7	126.50	1.20	0.80									2550.00	0.00
				1.20	0.95	25.00	30.00	23.75	23.75	6.25	0.00		
7	151.50	1.20	1.10									2556.25	0.00
				1.20	1.20	25.00	30.00	30.00	30.00	0.00	0.00		
7	176.50	1.20	1.30									2556.25	0.00
				1.15	1.25	25.00	28.75	31.25	28.75	0.00	2.50		
7	201.50	1.10	1.20									2553.75	0.00
				1.10	1.10	25.00	27.50	27.50	27.50	0.00	0.00		
7	226.50	1.10	1.00									2553.75	0.00
				1.25	0.95	25.00	31.25	23.75	23.75	7.50	0.00		
7	251.50	1.40	0.90									2561.25	0.00
				1.35	0.80	25.00	33.75	20.00	20.00	13.75	0.00		
7	276.50	1.30	0.70									2575.00	0.00
				1.20	0.95	25.00	30.00	23.75	23.75	6.25	0.00		
7	301.50	1.10	1.20									2581.25	0.00
				1.40	0.60	25.00	35.00	15.00	15.00	20.00	0.00		
7	326.50	1.70	0.00									2601.25	0.00
				1.45	0.05	25.00	36.25	1.25	1.25	35.00	0.00		
7	351.50	1.20	0.10									2636.25	0.00
				1.30	0.10	25.00	32.50	2.50	2.50	30.00	0.00		
7	376.50	1.40	0.10									2666.25	0.00
				1.30	0.05	25.00	32.50	1.25	1.25	31.25	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
7	401.50	1.20	0.00									2697.50	0.00
				1.50	0.10	25.00	37.50	2.50	2.50	35.00	0.00	2732.50	0.00
7	426.50	1.80	0.20										
				1.75	0.15	25.00	43.75	3.75	3.75	40.00	0.00	2772.50	0.00
7	451.50	1.70	0.10										
				1.60	0.10	25.00	40.00	2.50	2.50	37.50	0.00	2810.00	0.00
7	476.50	1.50	0.10										
				1.65	0.05	25.00	41.25	1.25	1.25	40.00	0.00	2850.00	0.00
7	501.50	1.80	0.00										
				1.90	0.00	25.00	47.50	0.00	0.00	47.50	0.00	2897.50	0.00
7	526.50	2.00	0.00										
				2.05	0.00	25.00	51.25	0.00	0.00	51.25	0.00	2948.75	0.00
7	551.50	2.10	0.00										
				2.10	0.00	25.00	52.50	0.00	0.00	52.50	0.00	3001.25	0.00
7	576.50	2.10	0.00										
				2.00	0.00	25.00	50.00	0.00	0.00	50.00	0.00	3051.25	0.00
7	601.50	1.90	0.00										
				1.90	0.00	25.00	47.50	0.00	0.00	47.50	0.00	3098.75	0.00
7	626.50	1.90	0.00										
				1.95	0.00	25.00	48.75	0.00	0.00	48.75	0.00	3147.50	0.00
7	651.50	2.00	0.00										
				1.95	0.05	25.00	48.75	1.25	1.25	47.50	0.00	3195.00	0.00
7	676.50	1.90	0.10										
				2.05	0.05	25.00	51.25	1.25	1.25	50.00	0.00	3245.00	0.00
7	701.50	2.20	0.00										
				2.35	0.00	25.00	58.75	0.00	0.00	58.75	0.00	3303.75	0.00
7	726.50	2.50	0.00										
				2.40	0.00	25.00	60.00	0.00	0.00	60.00	0.00	3363.75	0.00
7	751.50	2.30	0.00										
				2.20	0.00	25.00	55.00	0.00	0.00	55.00	0.00	3418.75	0.00
7	776.50	2.10	0.00										
				2.15	0.00	25.00	53.75	0.00	0.00	53.75	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
7	801.50	2.20	0.00									3472.50	0.00
				2.15	0.00	25.00	53.75	0.00	0.00	53.75	0.00		
7	826.50	2.10	0.00									3526.25	0.00
				2.00	0.00	25.00	50.00	0.00	0.00	50.00	0.00		
7	851.50	1.90	0.00									3576.25	0.00
				1.85	0.00	25.00	46.25	0.00	0.00	46.25	0.00		
7	876.50	1.80	0.00									3622.50	0.00
				1.95	0.15	25.00	48.75	3.75	3.75	45.00	0.00		
7	901.50	2.10	0.30									3667.50	0.00
				2.00	0.15	25.00	50.00	3.75	3.75	46.25	0.00		
7	926.50	1.90	0.00									3713.75	0.00
				2.05	0.00	25.00	51.25	0.00	0.00	51.25	0.00		
7	951.50	2.20	0.00									3765.00	0.00
				2.30	0.05	25.00	57.50	1.25	1.25	56.25	0.00		
7	976.50	2.40	0.10									3821.25	0.00
				2.25	0.05	25.00	56.25	1.25	1.25	55.00	0.00		
8	1.50	2.10	0.00									3876.25	0.00
				2.00	0.00	25.00	50.00	0.00	0.00	50.00	0.00		
8	26.50	1.90	0.00									3926.25	0.00
				1.95	0.00	25.00	48.75	0.00	0.00	48.75	0.00		
8	51.50	2.00	0.00									3975.00	0.00
				1.90	0.05	25.00	47.50	1.25	1.25	46.25	0.00		
8	76.50	1.80	0.10									4021.25	0.00
				2.00	0.05	25.00	50.00	1.25	1.25	48.75	0.00		
8	101.50	2.20	0.00									4070.00	0.00
				1.85	0.00	25.00	46.25	0.00	0.00	46.25	0.00		
8	126.50	1.50	0.00									4116.25	0.00
				1.65	0.00	25.00	41.25	0.00	0.00	41.25	0.00		
8	151.50	1.80	0.00									4157.50	0.00
				1.75	0.05	25.00	43.75	1.25	1.25	42.50	0.00		
8	176.50	1.70	0.10									4200.00	0.00
				1.75	0.05	25.00	43.75	1.25	1.25	42.50	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
8	201.50	1.80	0.00									4242.50	0.00
				2.15	0.00	25.00	53.75	0.00	0.00	53.75	0.00		
8	226.50	2.50	0.00									4296.25	0.00
				2.70	0.00	25.00	67.50	0.00	0.00	67.50	0.00		
8	251.50	2.90	0.00									4363.75	0.00
				2.95	0.00	25.00	73.75	0.00	0.00	73.75	0.00		
8	276.50	3.00	0.00									4437.50	0.00
				3.05	0.00	25.00	76.25	0.00	0.00	76.25	0.00		
8	301.50	3.10	0.00									4513.75	0.00
				2.35	0.00	25.00	58.75	0.00	0.00	58.75	0.00		
8	326.50	1.60	0.00									4572.50	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		
8	351.50	1.40	0.00									4610.00	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		
8	376.50	1.60	0.00									4647.50	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		
8	401.50	1.40	0.00									4685.00	0.00
				1.85	0.05	25.00	46.25	1.25	1.25	45.00	0.00		
8	426.50	2.30	0.10									4730.00	0.00
				2.20	0.10	25.00	55.00	2.50	2.50	52.50	0.00		
8	451.50	2.10	0.10									4782.50	0.00
				1.80	0.20	25.00	45.00	5.00	5.00	40.00	0.00		
8	476.50	1.50	0.30									4822.50	0.00
				1.85	0.20	25.00	46.25	5.00	5.00	41.25	0.00		
8	501.50	2.20	0.10									4863.75	0.00
				2.30	0.15	25.00	57.50	3.75	3.75	53.75	0.00		
8	526.50	2.40	0.20									4917.50	0.00
				2.30	0.15	25.00	57.50	3.75	3.75	53.75	0.00		
8	551.50	2.20	0.10									4971.25	0.00
				2.40	0.05	25.00	60.00	1.25	1.25	58.75	0.00		
8	576.50	2.60	0.00									5030.00	0.00
				2.40	0.00	25.00	60.00	0.00	0.00	60.00	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
8	601.50	2.20	0.00									5090.00	0.00
				2.20	0.00	25.00	55.00	0.00	0.00	55.00	0.00		
8	626.50	2.20	0.00									5145.00	0.00
				2.05	0.00	25.00	51.25	0.00	0.00	51.25	0.00		
8	651.50	1.90	0.00									5196.25	0.00
				2.15	0.00	25.00	53.75	0.00	0.00	53.75	0.00		
8	676.50	2.40	0.00									5250.00	0.00
				2.20	0.05	25.00	55.00	1.25	1.25	53.75	0.00		
8	701.50	2.00	0.10									5303.75	0.00
				1.85	0.10	25.00	46.25	2.50	2.50	43.75	0.00		
8	726.50	1.70	0.10									5347.50	0.00
				1.90	0.05	25.00	47.50	1.25	1.25	46.25	0.00		
8	751.50	2.10	0.00									5393.75	0.00
				2.00	0.05	25.00	50.00	1.25	1.25	48.75	0.00		
8	776.50	1.90	0.10									5442.50	0.00
				1.90	0.05	25.00	47.50	1.25	1.25	46.25	0.00		
8	801.50	1.90	0.00									5488.75	0.00
				1.70	0.00	25.00	42.50	0.00	0.00	42.50	0.00		
8	826.50	1.50	0.00									5531.25	0.00
				1.55	0.00	25.00	38.75	0.00	0.00	38.75	0.00		
8	851.50	1.60	0.00									5570.00	0.00
				1.55	0.00	25.00	38.75	0.00	0.00	38.75	0.00		
8	876.50	1.50	0.00									5608.75	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		
8	901.50	1.50	0.00									5646.25	0.00
				1.40	0.05	25.00	35.00	1.25	1.25	33.75	0.00		
8	926.50	1.30	0.10									5680.00	0.00
				1.40	0.05	25.00	35.00	1.25	1.25	33.75	0.00		
8	951.50	1.50	0.00									5713.75	0.00
				1.45	0.00	25.00	36.25	0.00	0.00	36.25	0.00		
8	976.50	1.40	0.00									5750.00	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		

kilometr	metr	powierzchnia [m²]		powierzchnia średnia [m²]		odległość [m]	objętość [m³]		zużycie na miejscu	nadmiar objętości [m³]		Σ algebraiczna od początku [m³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp
9	1.50	1.60	0.00									5787.50	0.00
				1.55	0.05	25.00	38.75	1.25	1.25	37.50	0.00		
9	26.50	1.50	0.10									5825.00	0.00
				1.55	0.05	25.00	38.75	1.25	1.25	37.50	0.00		
9	51.50	1.60	0.00									5862.50	0.00
				1.60	0.00	25.00	40.00	0.00	0.00	40.00	0.00		
9	76.50	1.60	0.00									5902.50	0.00
				1.55	0.00	25.00	38.75	0.00	0.00	38.75	0.00		
9	101.50	1.50	0.00									5941.25	0.00
				1.65	0.00	25.00	41.25	0.00	0.00	41.25	0.00		
9	126.50	1.80	0.00									5982.50	0.00
				1.50	0.00	25.00	37.50	0.00	0.00	37.50	0.00		
9	151.50	1.20	0.00									6020.00	0.00
				1.20	0.10	25.00	30.00	2.50	2.50	27.50	0.00		
9	176.50	1.20	0.20									6047.50	0.00
				1.35	0.15	25.00	33.75	3.75	3.75	30.00	0.00		
9	201.50	1.50	0.10									6077.50	0.00
				1.45	0.05	25.00	36.25	1.25	1.25	35.00	0.00		
9	226.50	1.40	0.00									6112.50	0.00
				0.70	0.00	15.00	10.50	0.00	0.00	10.50	0.00		
9	241.50	0.00	0.00									6123.00	0.00
				RAZEM		4615	7808.00	1685.00	1565.00	6243	120.00		
							A	B	C	D	E		
SPRAWDZENIE:				B - A = E - D		B - A =		-6123.00		E - D =		-6123.00	
				A - D = B - E		A - D =		1565.00		B - E =		1565.00	

kilometr	metr	powierzchnia [m ²]		powierzchnia średnia [m ²]		odległość [m]	objętość [m ³]		zużycie na miejscu	nadmiar objętości [m ³]		Σ algebraiczna od początku [m ³]	
		wykop	nasyp	wykop	nasyp		wykop	nasyp		wykop	nasyp	wykop	nasyp

Zdjęcie humusu					
pod chodnikami	4477.8	m2	0.15	671.67	m3
pod zjazdami	1996.9	m2	0.15	299.535	m3
pod poboczami	6551.1	m2	0.15	982.665	m3
pod poszerzenia	3315.2	m2	0.15	497.28	m3
rowy	9628	m2	0.15	1444.2	m3
Razem - zdjęcie humusu	25969			3895.35	m3

Humusowanie z obsianiem trawą					
humusowanie - humus pochodzi z odhumusowania	20302	m2	0.1	2030.2	m3

wykop	4584.32	m3
Od objętości wykopu należy odjąć objętość zdjęcia warstwy humusu ze zjazdów, poszerzeń, poboczy i rowów		

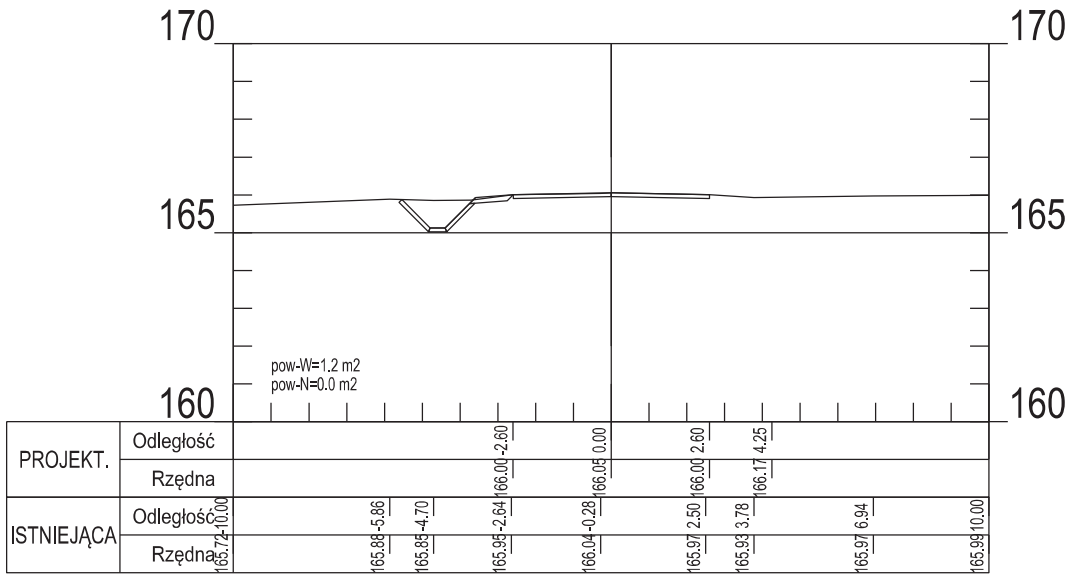
nasyp	2356.67	m3
Do objętości nasypu należy dodać objętość zdjętego humusu pod chodnikami		



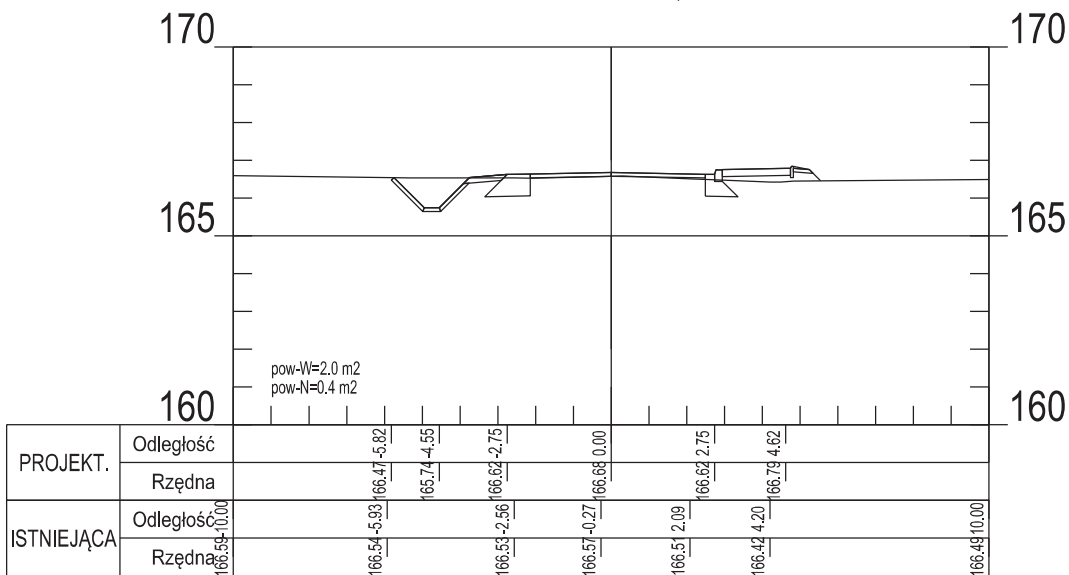
UL. POSŁAŃCÓW 3
04-409 WARSZAWA
TEL. 691945647 WWW.DROPROJEKT.COM.PL

Nazwa i adres obiektu:	PROJEKT WYKONAWCZY "DOKUMENTACJA PROJEKTOWA NA PRZEBUDOWĘ DROGI POWIATOWEJ NR 3524W JEDL NIA LETNISKO - CZARNA					Nr egz.
Obiekt:	DROGA				Skala:	1:200
Tytuł rysunku:	PRZEKROJE POPRZECZNE				Nr rys.	8
Projektant:	Imię i nazwisko	Nr uprawnień	Specjalność	Podpis	Data:	grudzień 2014
Sprawdzający:	mgr inż. Piotr Porczyk	MAZ/0175/POOD/11	drogowa			
	mgr inż. Mariusz Duma	MAZ/0394/POOD/11	drogowa			

Skala 1:200
km 4+626,5

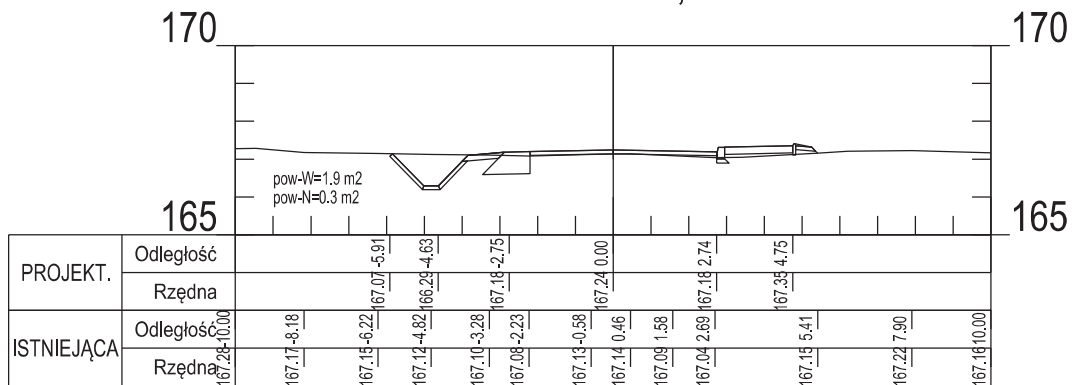


Skala 1:200
km 4+651,5



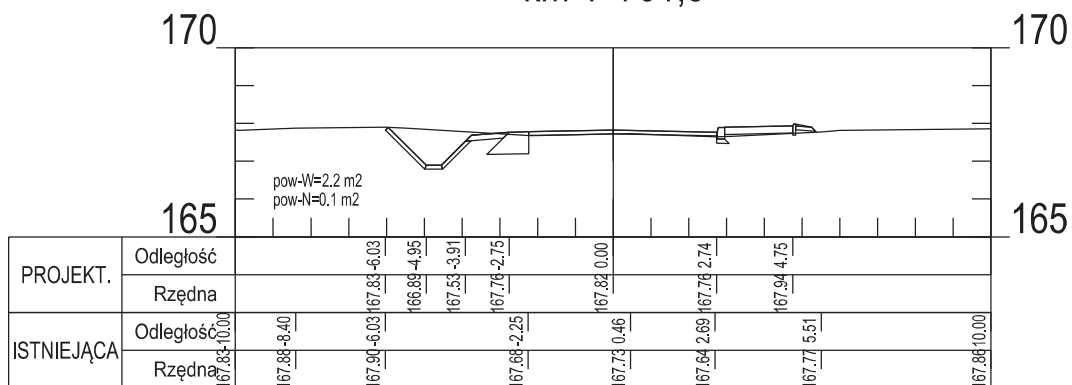
Skala 1:200

km 4+676,5



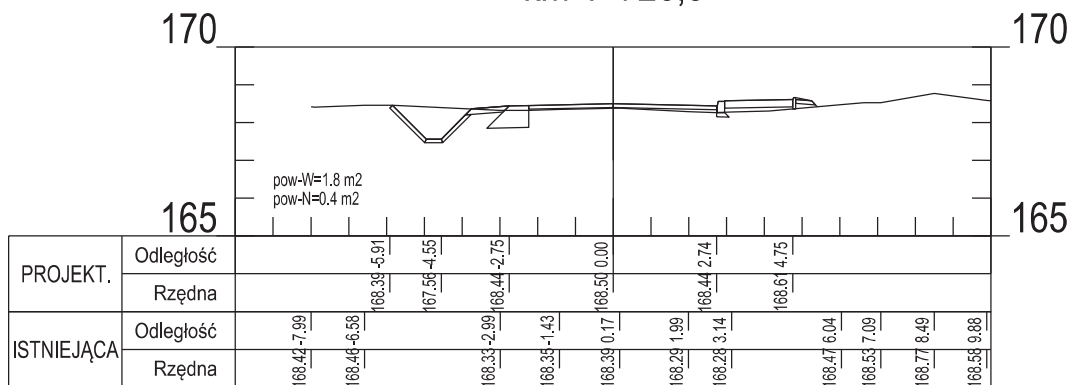
Skala 1:200

km 4+701,5

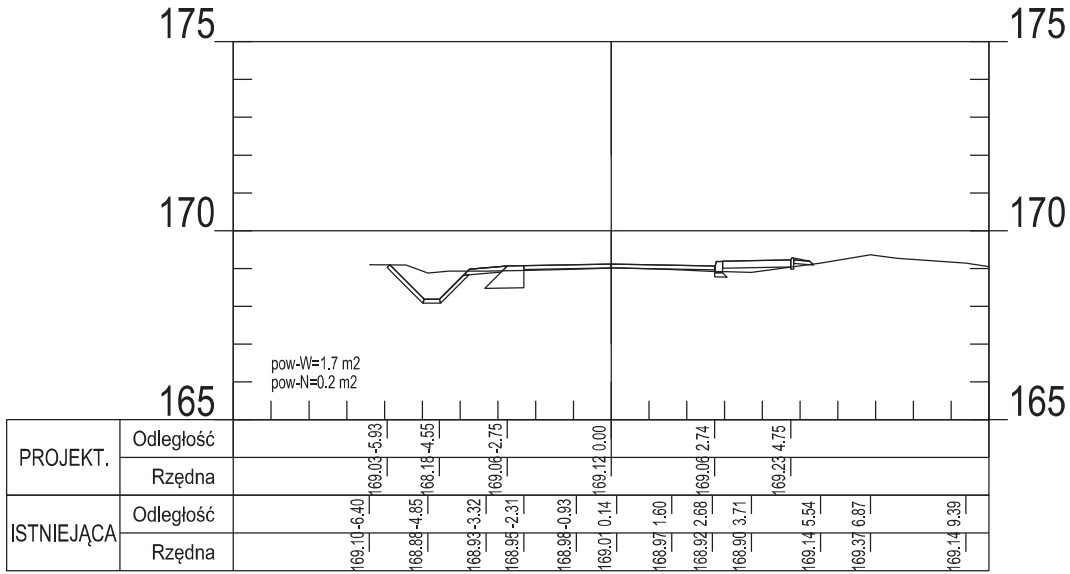


Skala 1:200

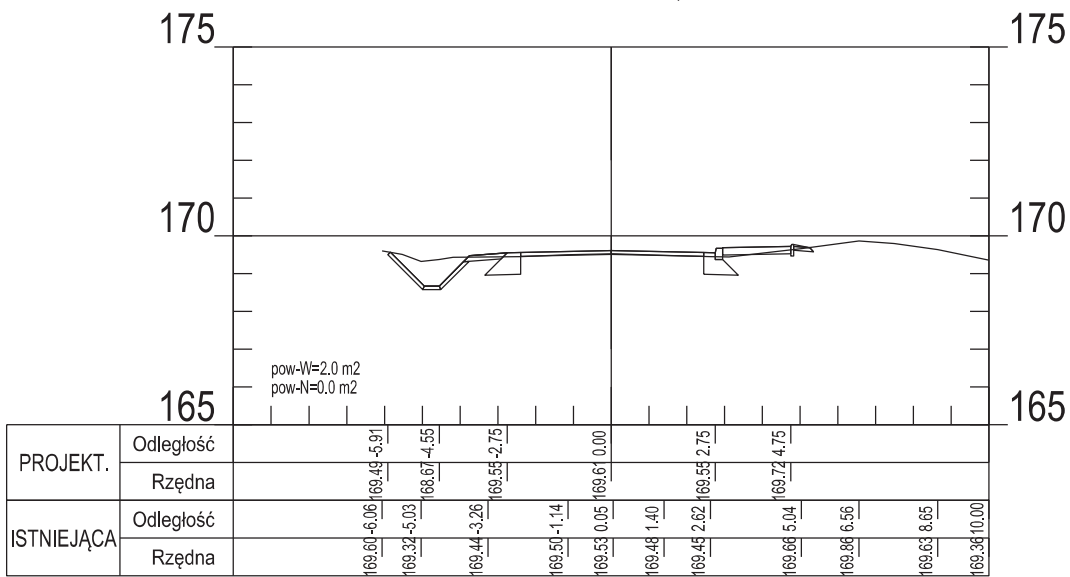
km 4+726,5



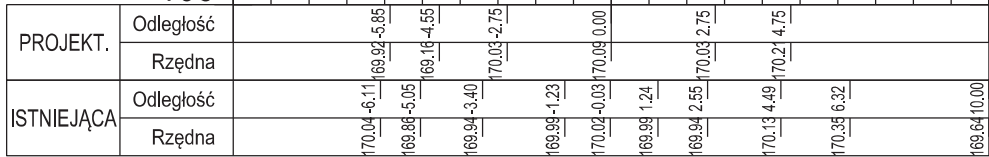
km 4+751,5



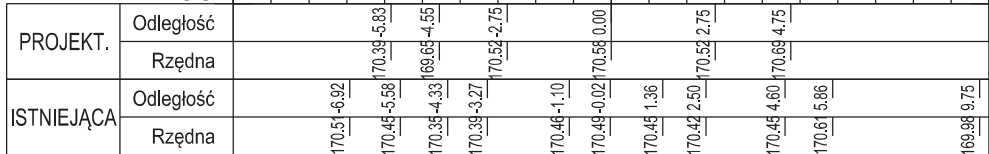
km 4+776,5



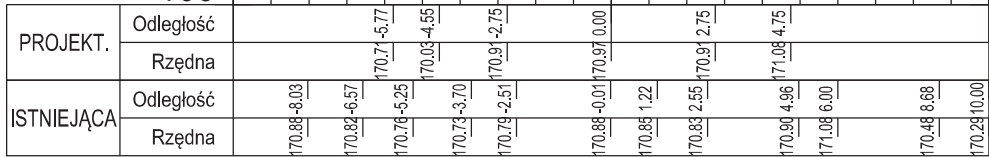
km 4+801,5



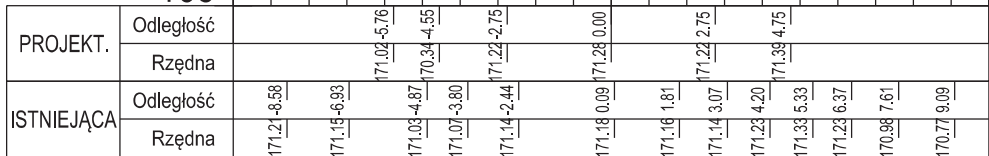
km 4+826,5



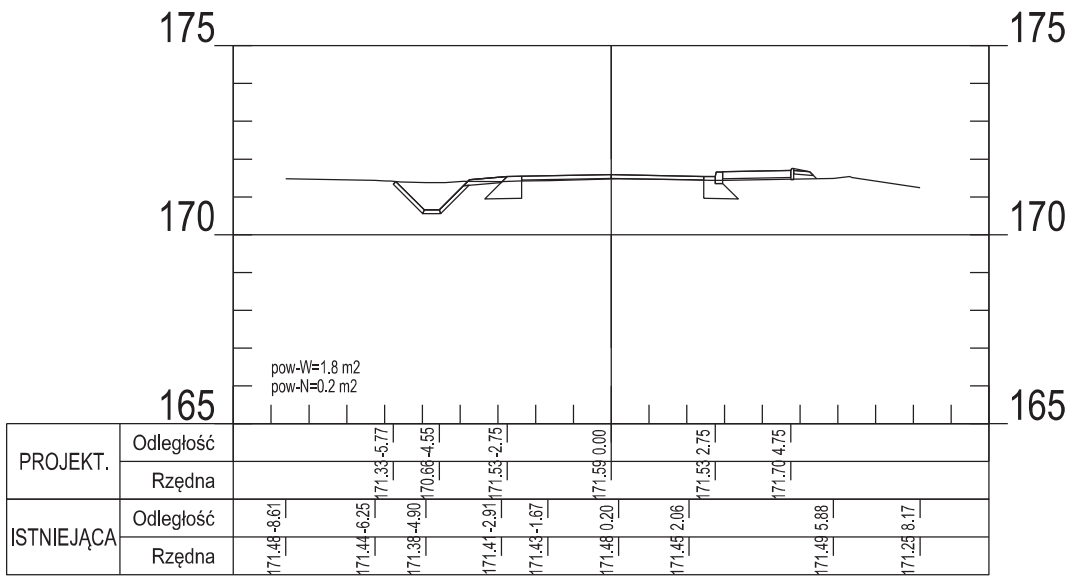
km 4+851,5



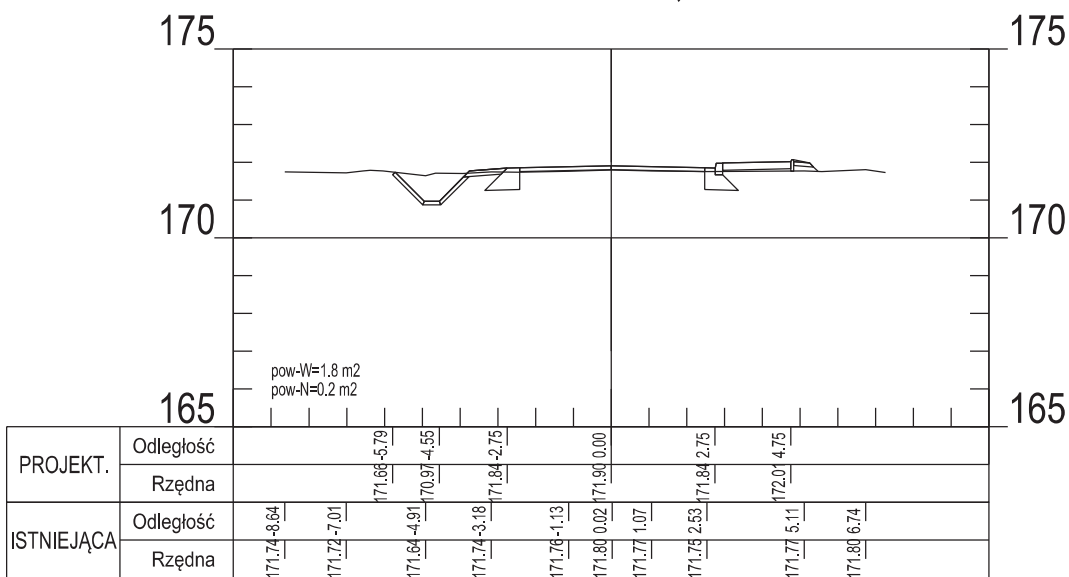
km 4+876,5



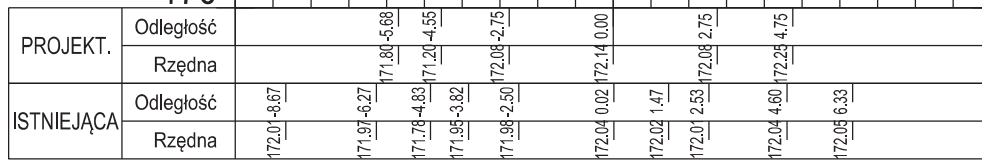
Skala 1:200
km 4+901,5



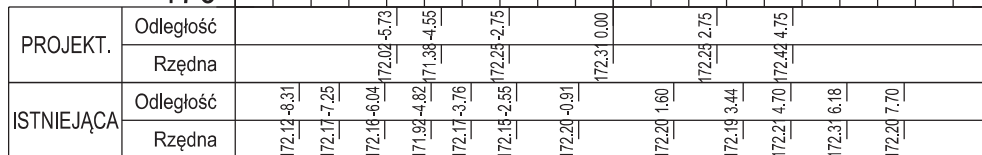
Skala 1:200
km 4+926,5



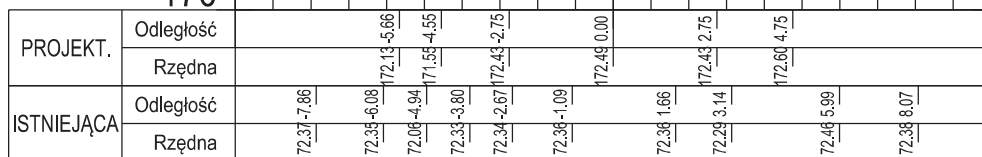
km 4+951,5



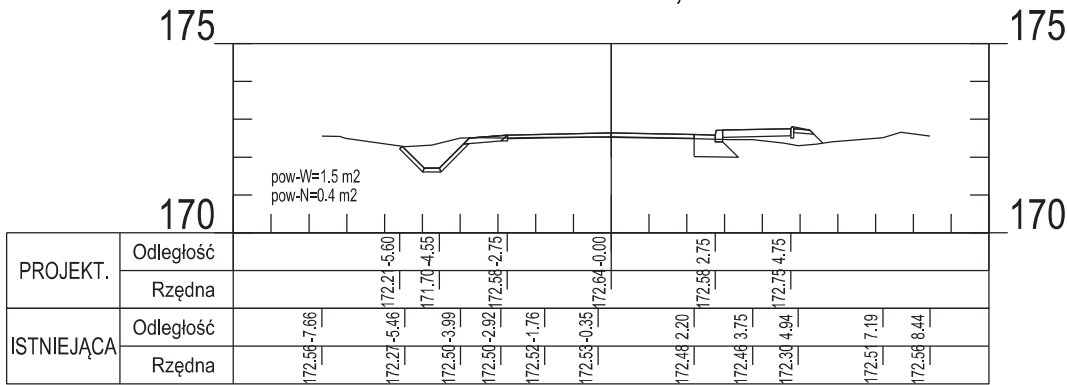
km 4+976,5



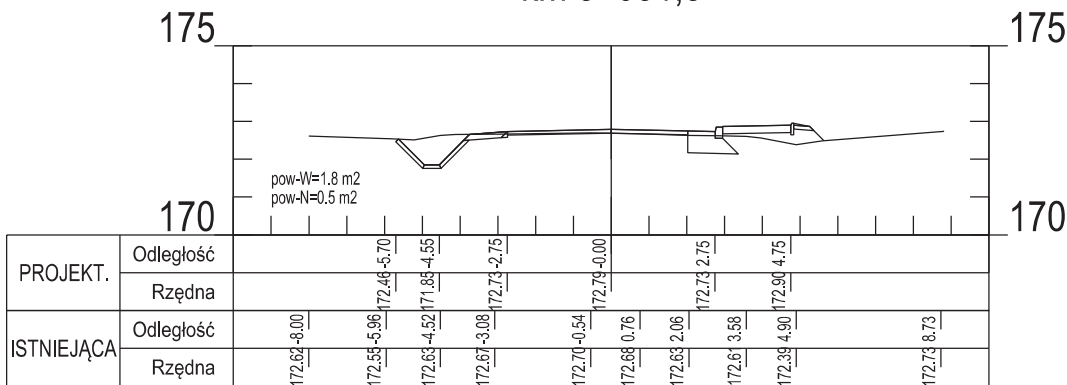
km 5+001,5



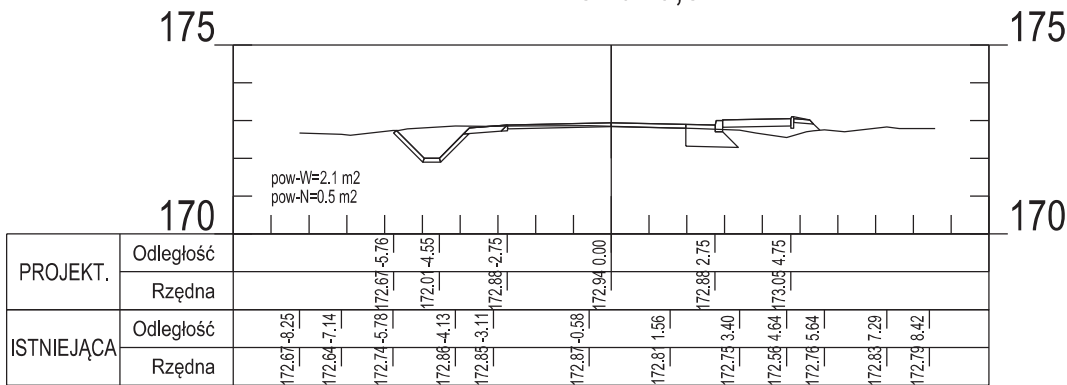
Skala 1:200
km 5+026,5



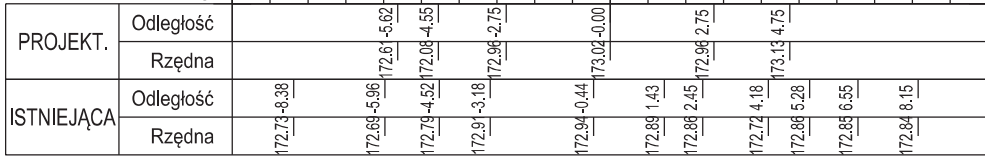
Skala 1:200
km 5+051,5



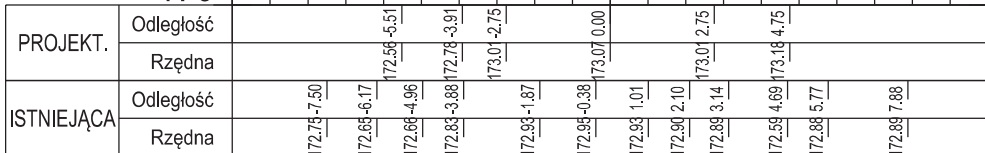
Skala 1:200
km 5+076,5



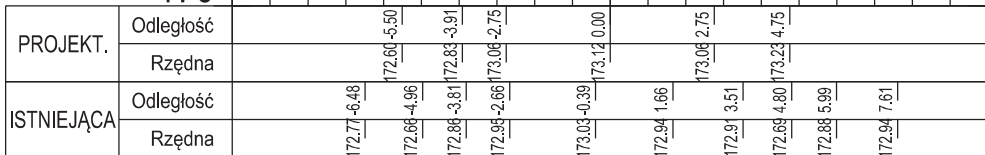
km 5+101,5



km 5+126,5

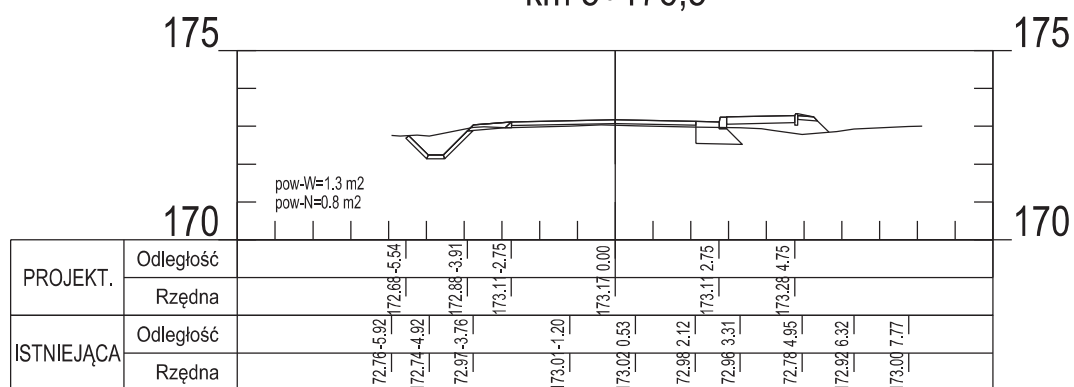


km 5+151,5



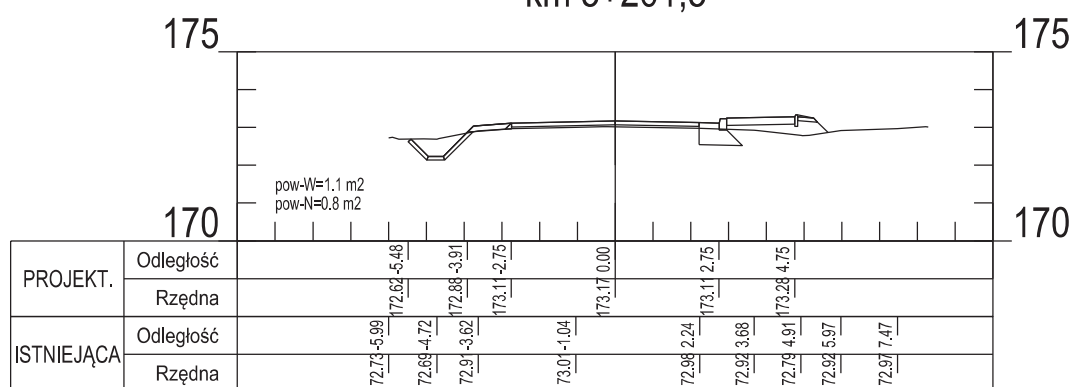
Skala 1:200

km 5+176,5



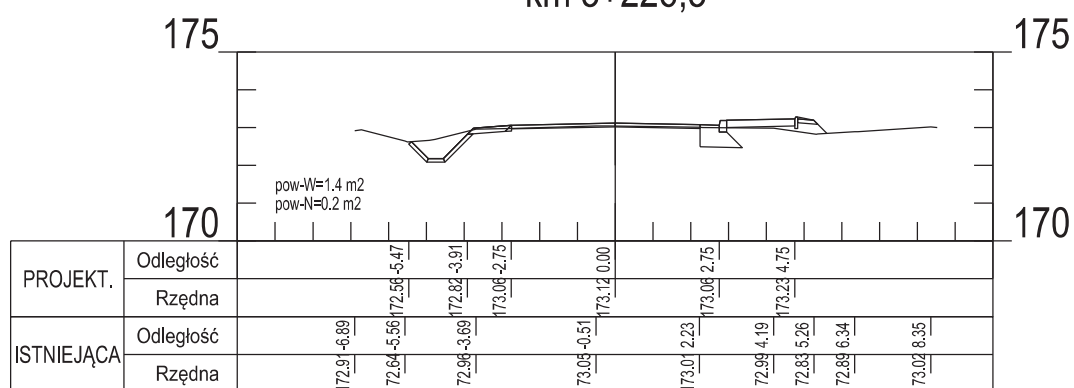
Skala 1:200

km 5+201,5



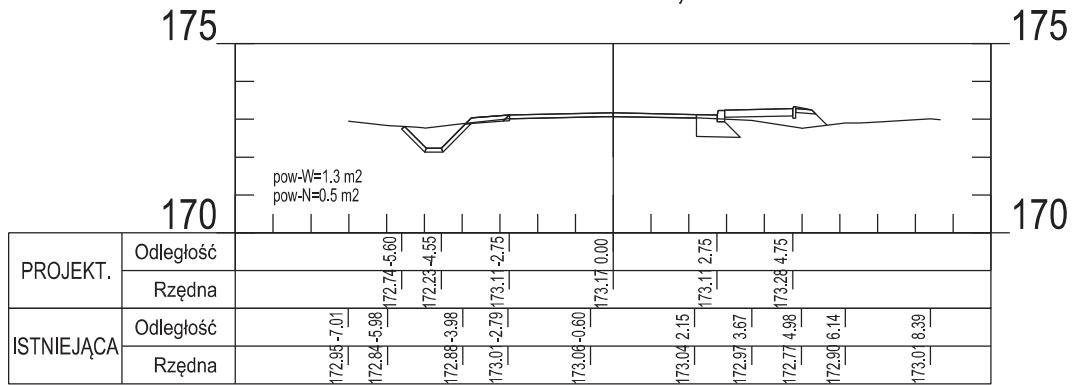
Skala 1:200

km 5+226,5



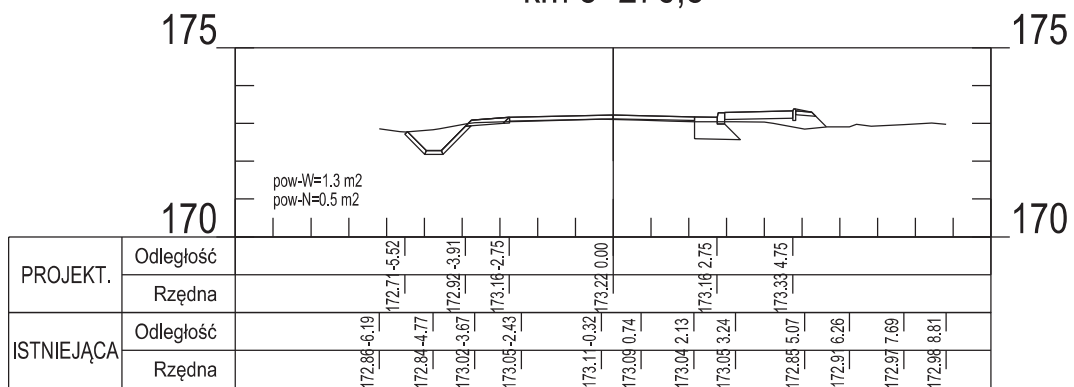
Skala 1:200

km 5+251,5



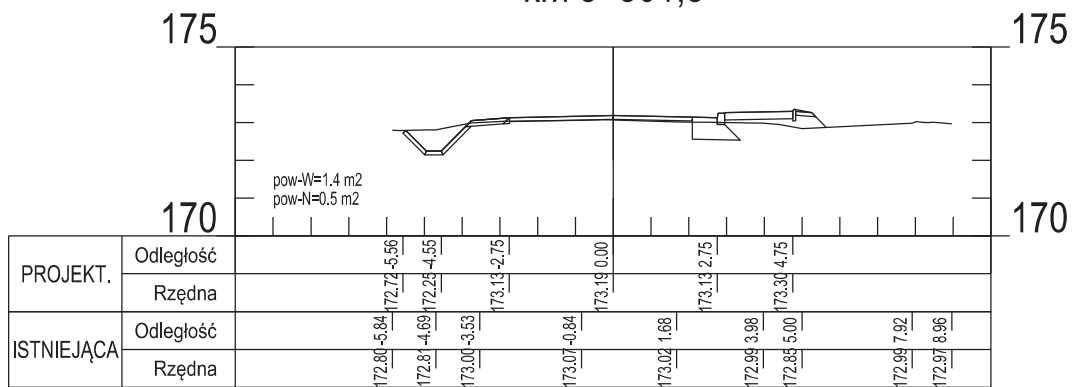
Skala 1:200

km 5+276,5

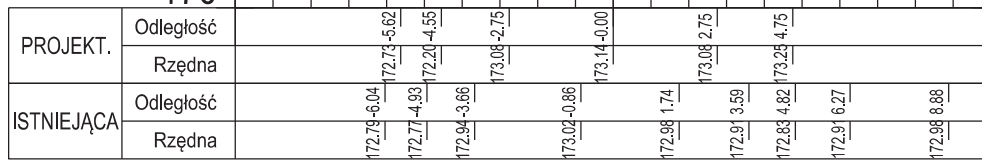


Skala 1:200

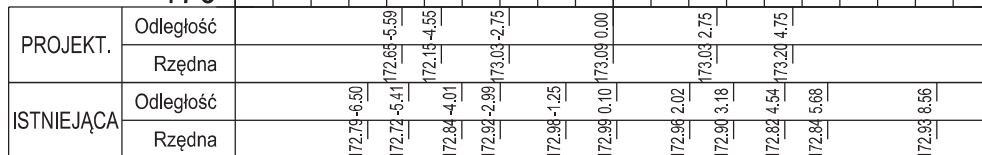
km 5+301,5



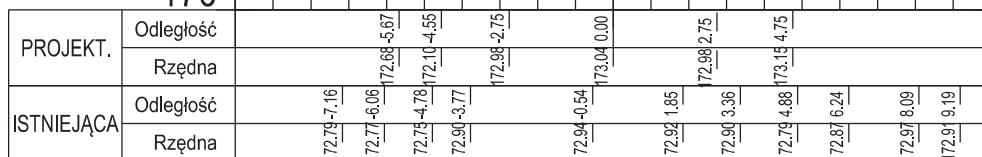
km 5+326,5



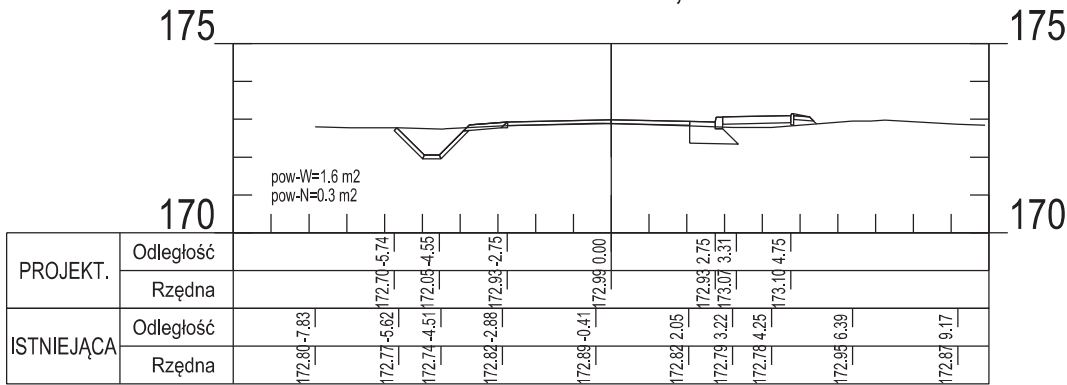
km 5+351,5



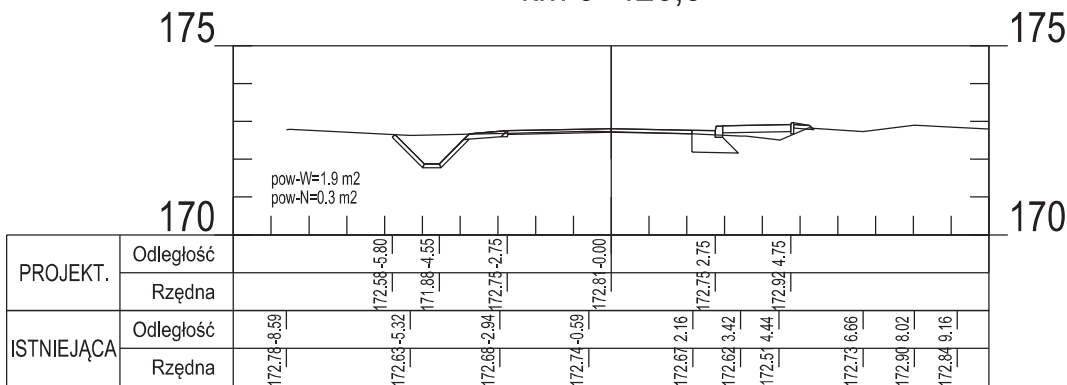
km 5+376,5



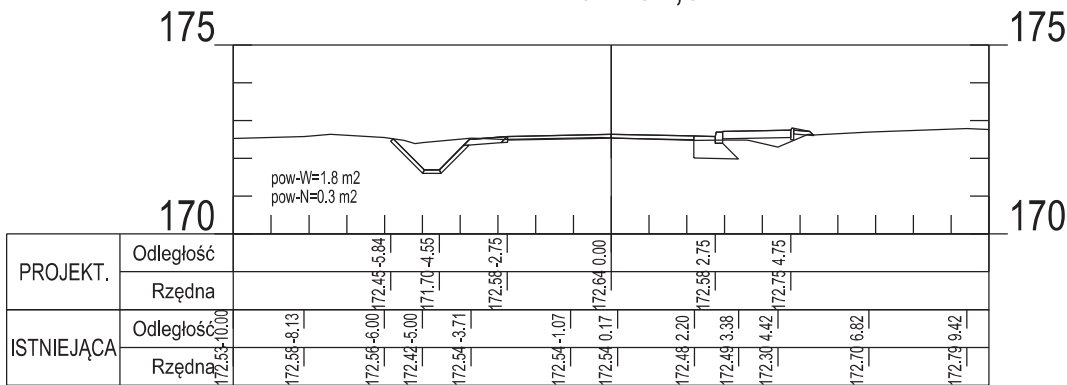
Skala 1:200
km 5+401,5



Skala 1:200
km 5+426,5

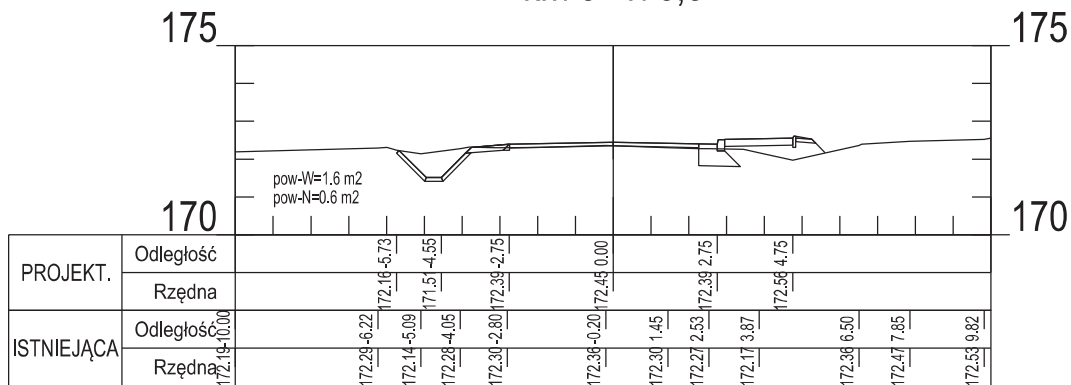


Skala 1:200
km 5+451,5



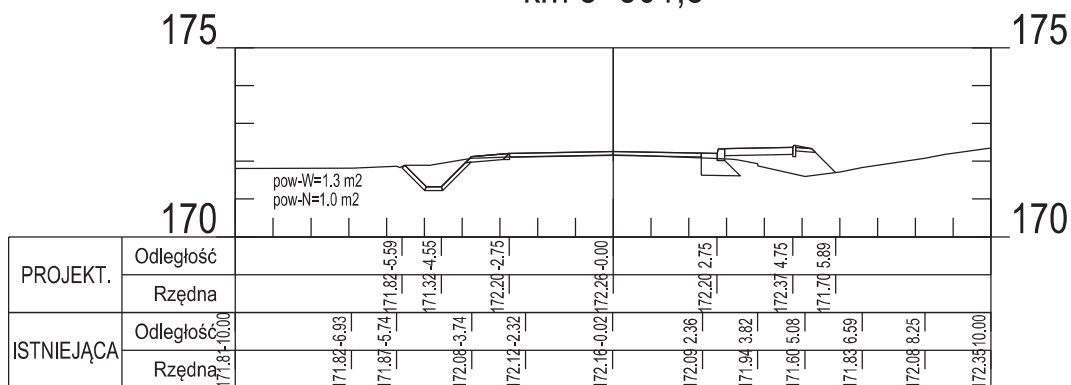
Skala 1:200

km 5+476,5



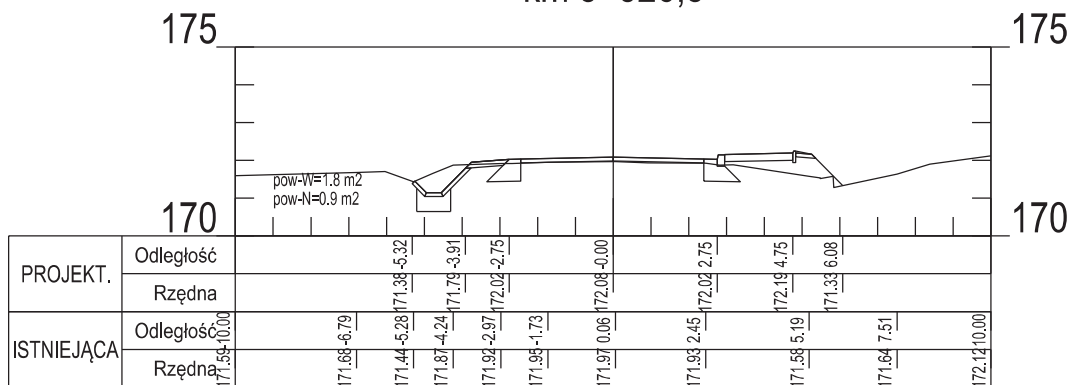
Skala 1:200

km 5+501,5

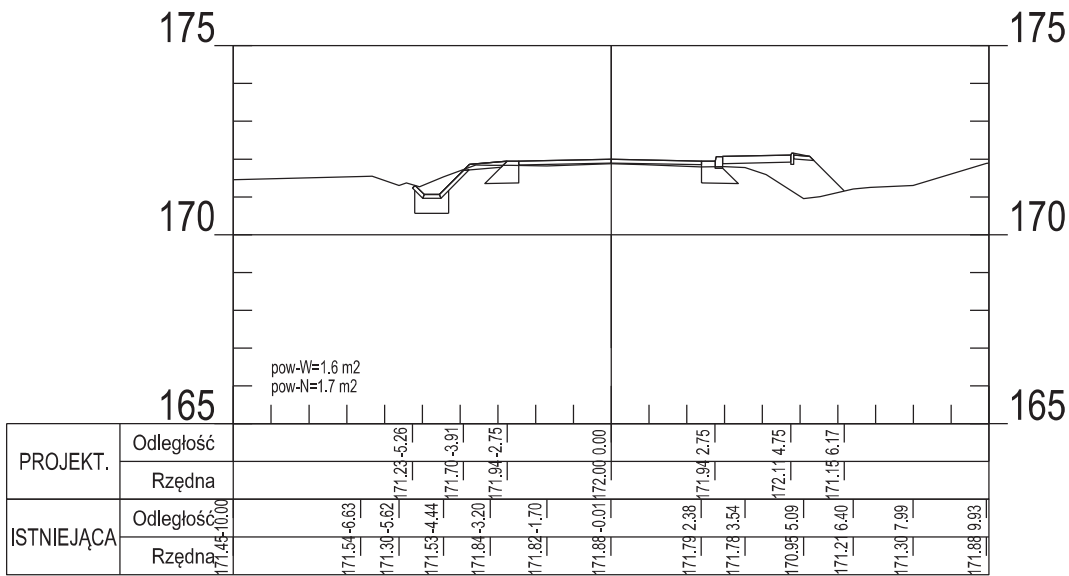


Skala 1:200

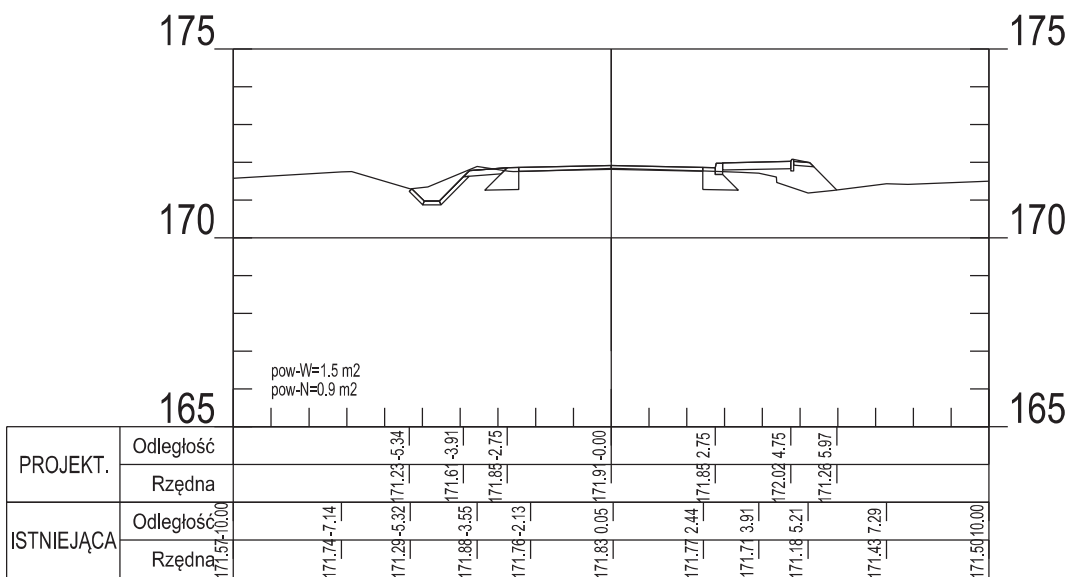
km 5+526,5



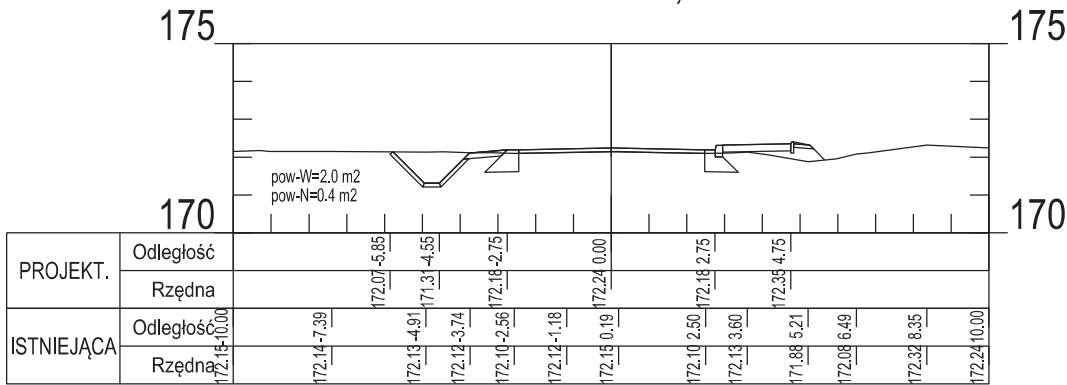
Skala 1:200
km 5+551,5



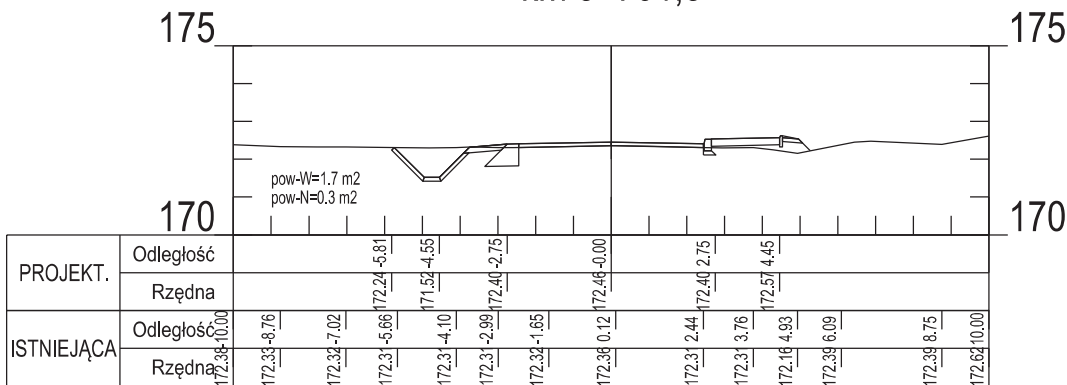
Skala 1:200
km 5+576,5



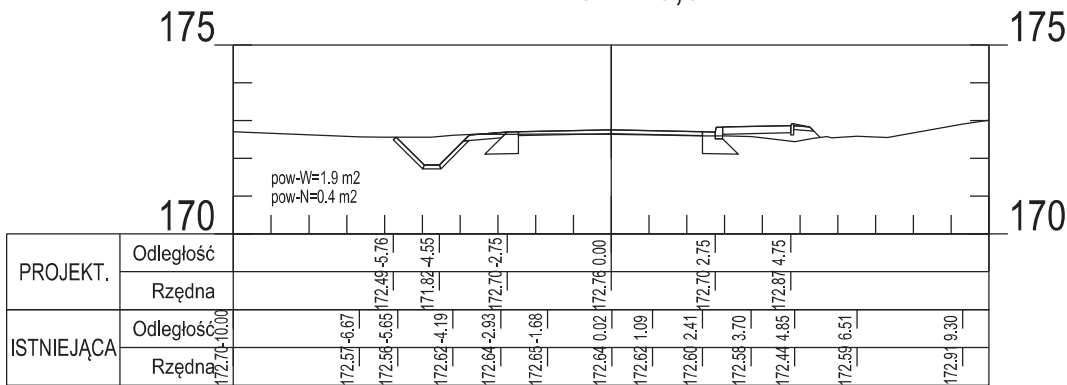
Skala 1:200
km 5+676,5



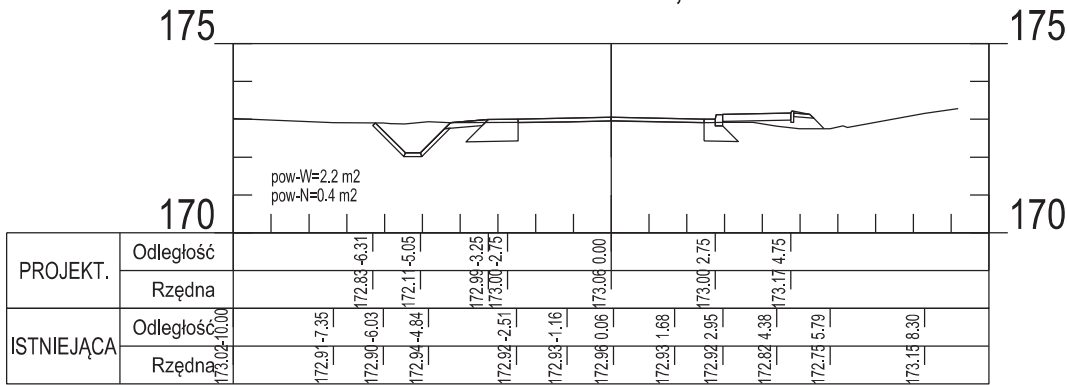
Skala 1:200
km 5+701,5



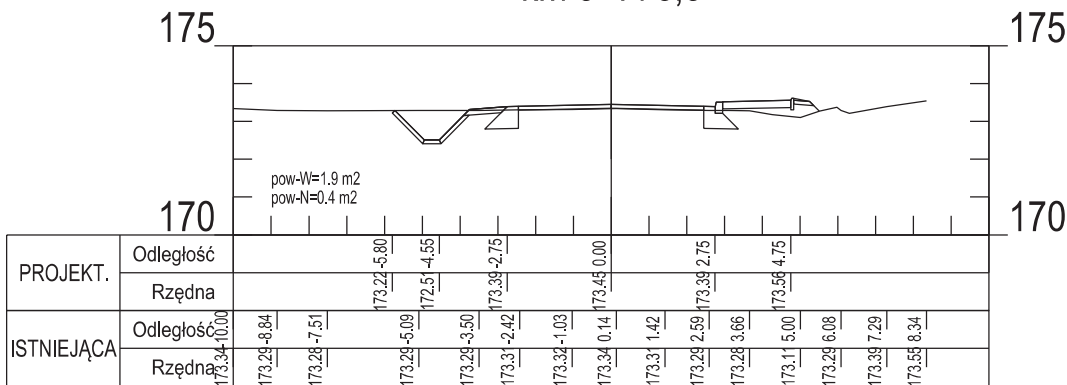
Skala 1:200
km 5+726,5



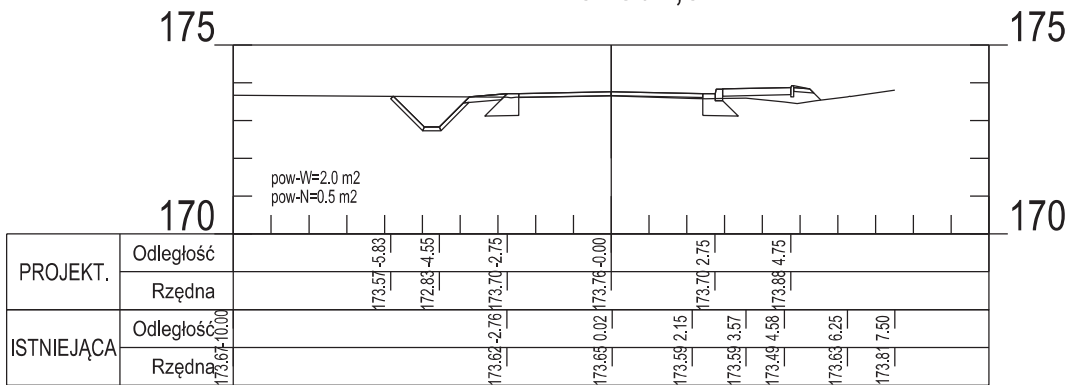
Skala 1:200
km 5+751,5



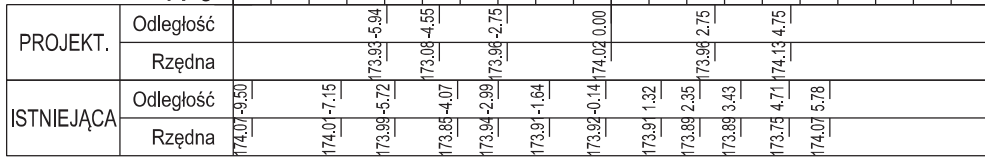
Skala 1:200
km 5+776,5



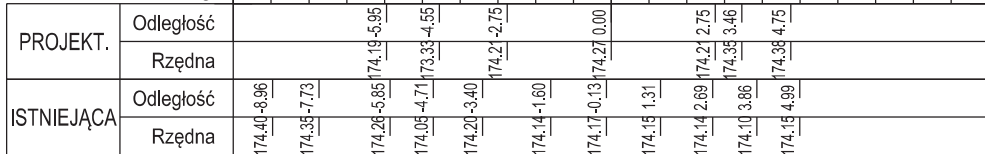
Skala 1:200
km 5+801,5



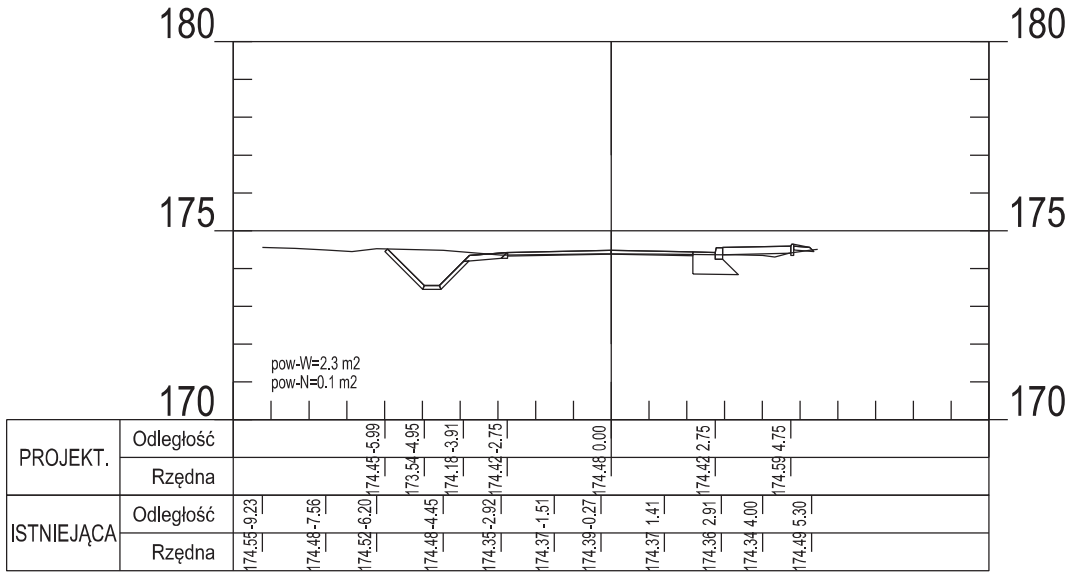
km 5+826,5



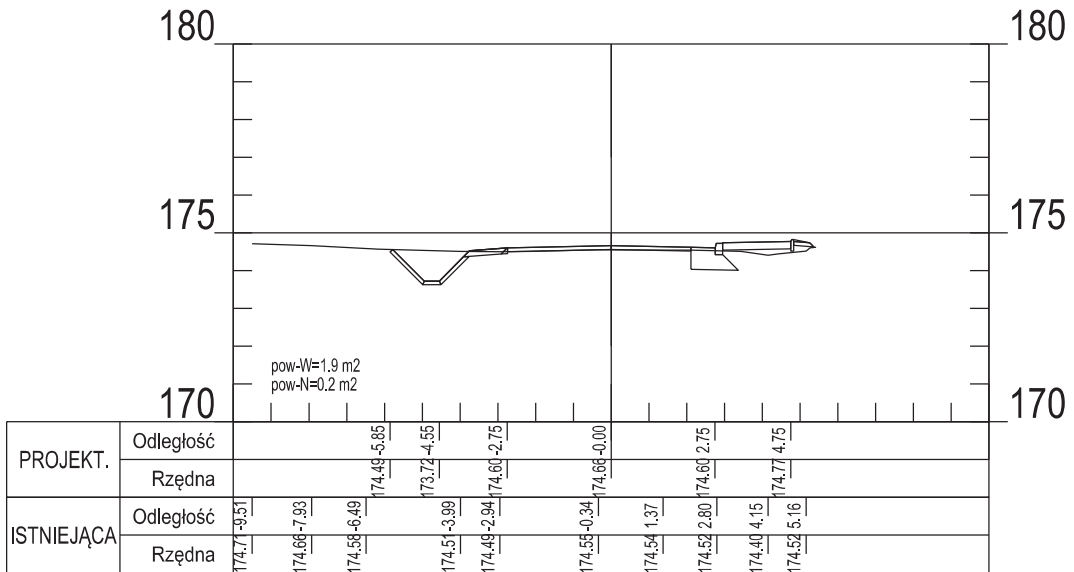
km 5+851,5



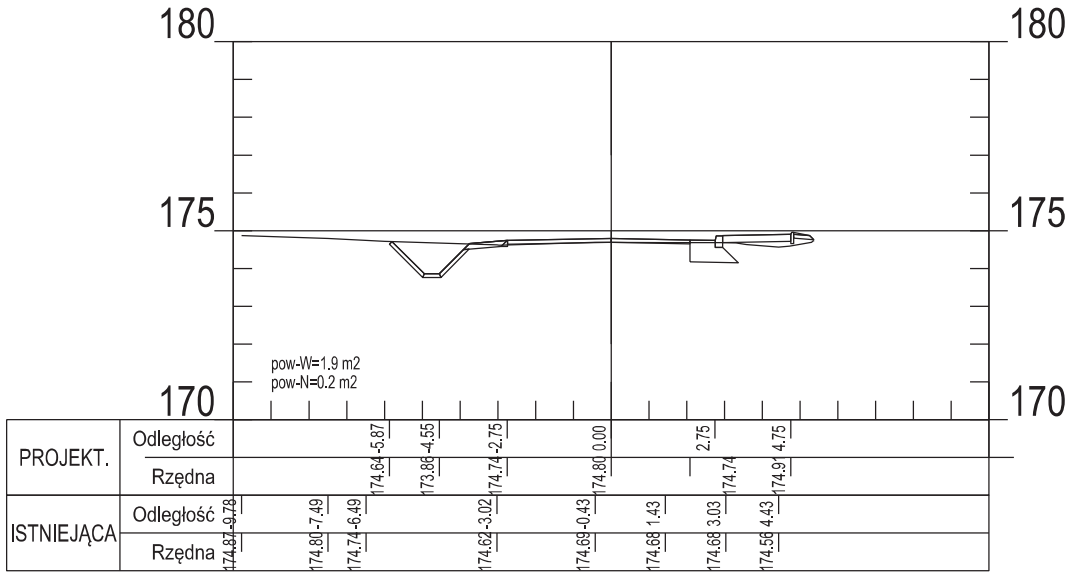
km 5+876,5



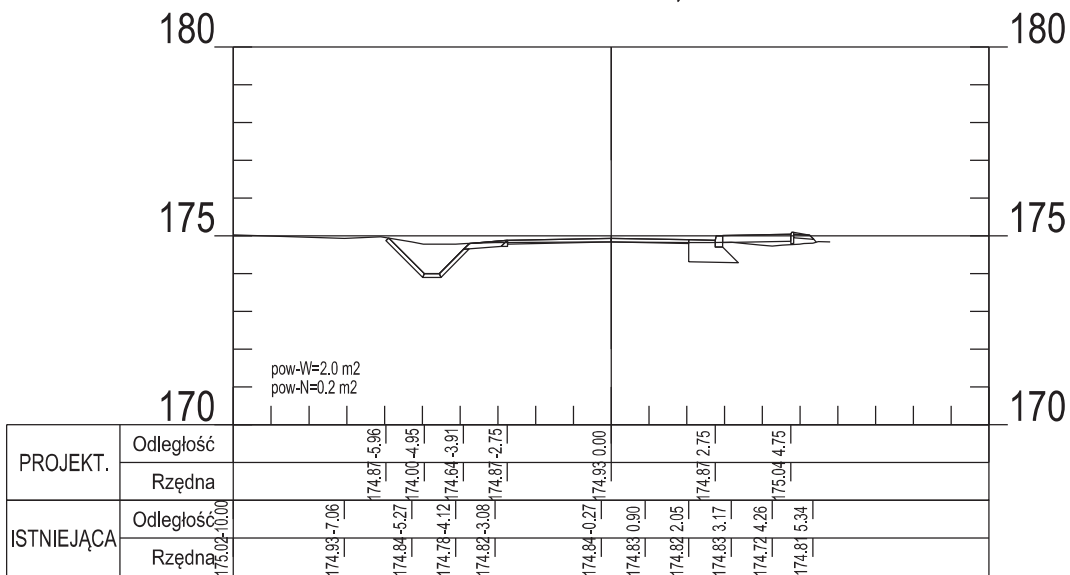
km 5+901,5



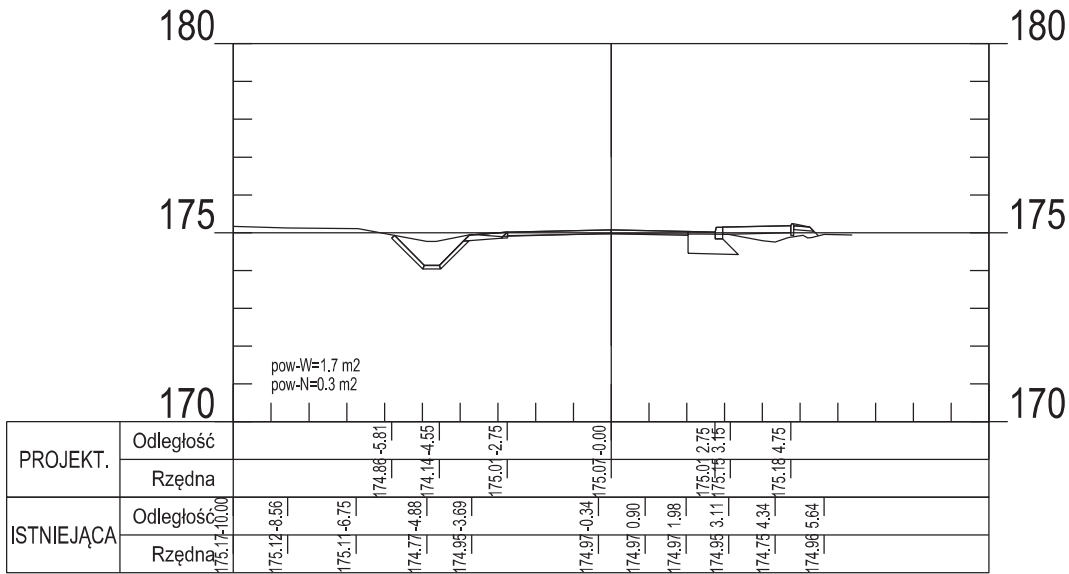
km 5+926,5



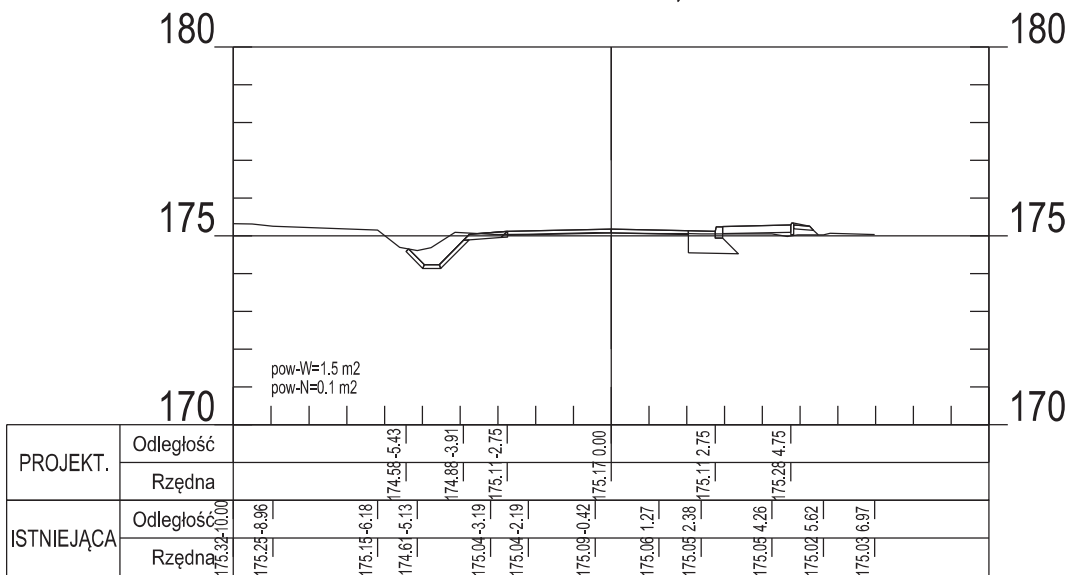
km 5+951,5



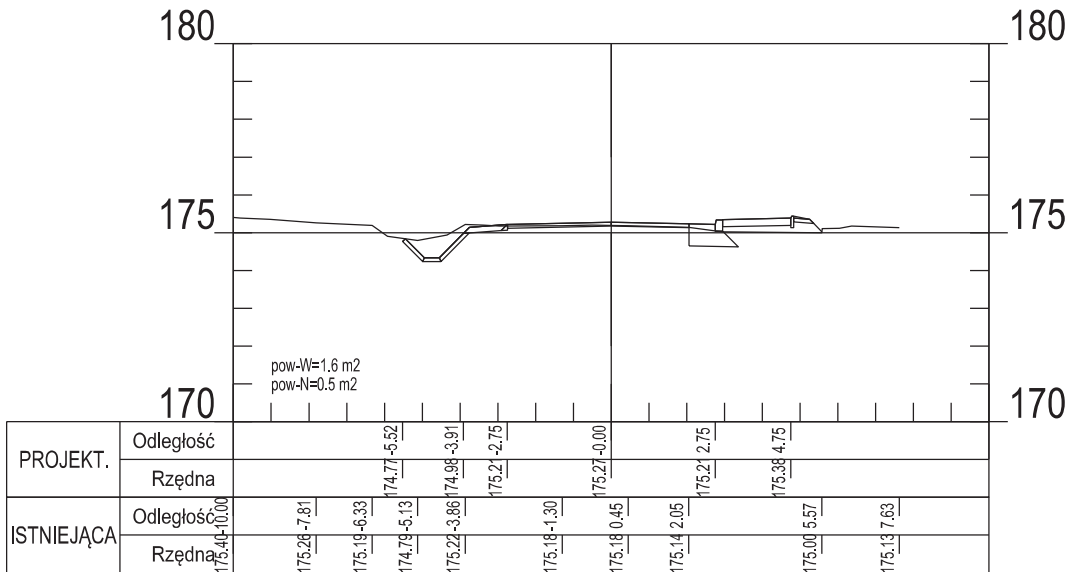
Skala 1:200
km 5+976,5



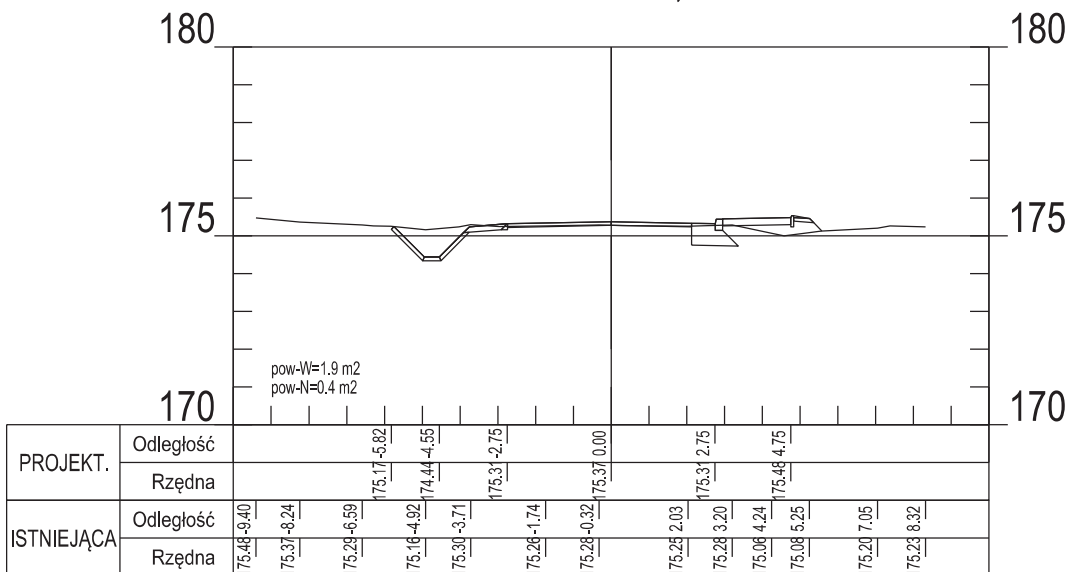
Skala 1:200
km 6+001,5



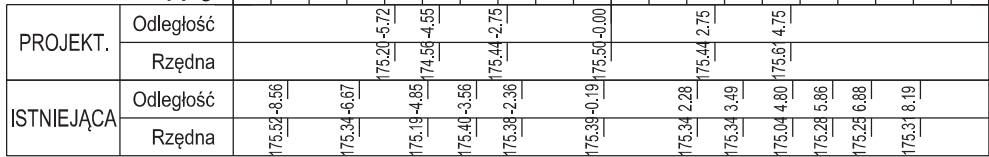
Skala 1:200
km 6+026,5



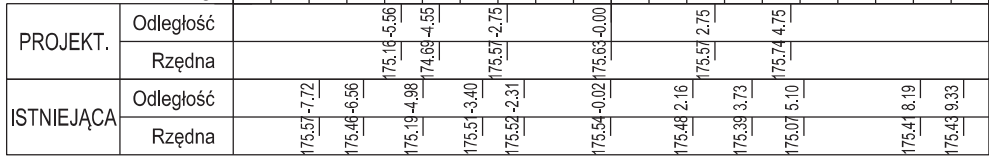
Skala 1:200
km 6+051,5



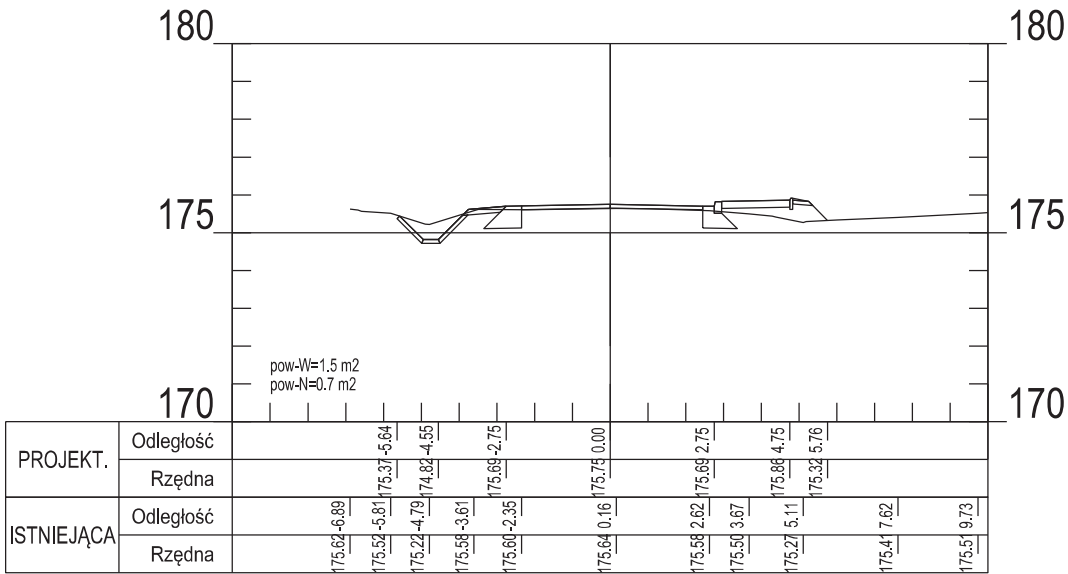
km 6+076,5



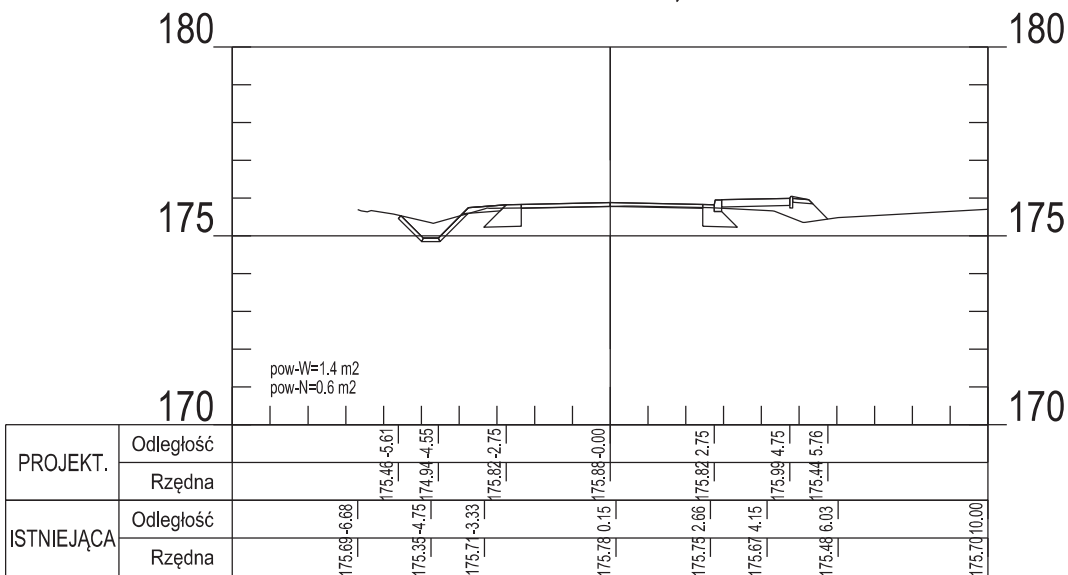
km 6+101,5



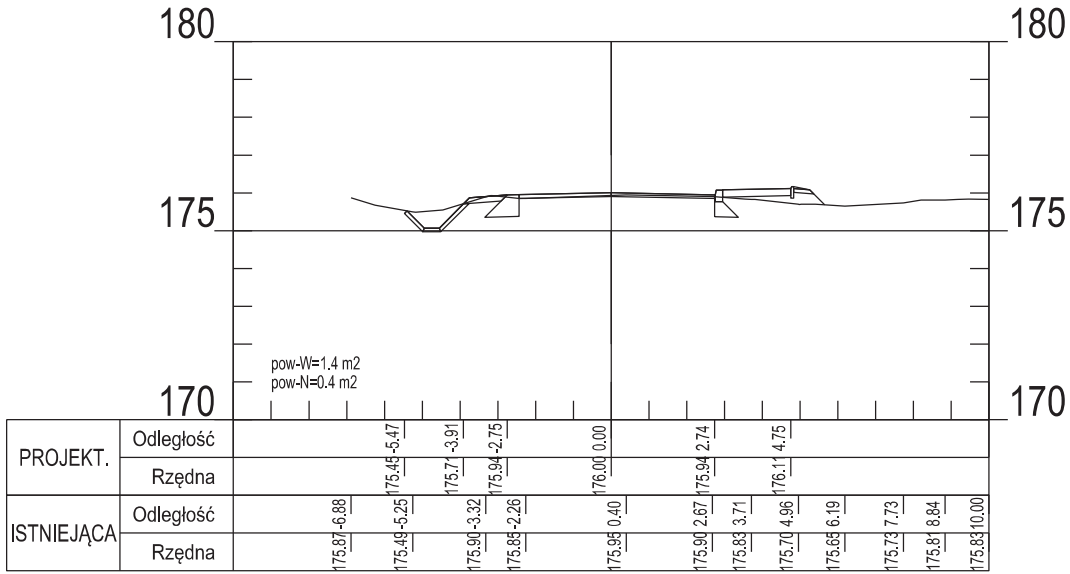
Skala 1:200
km 6+126,5



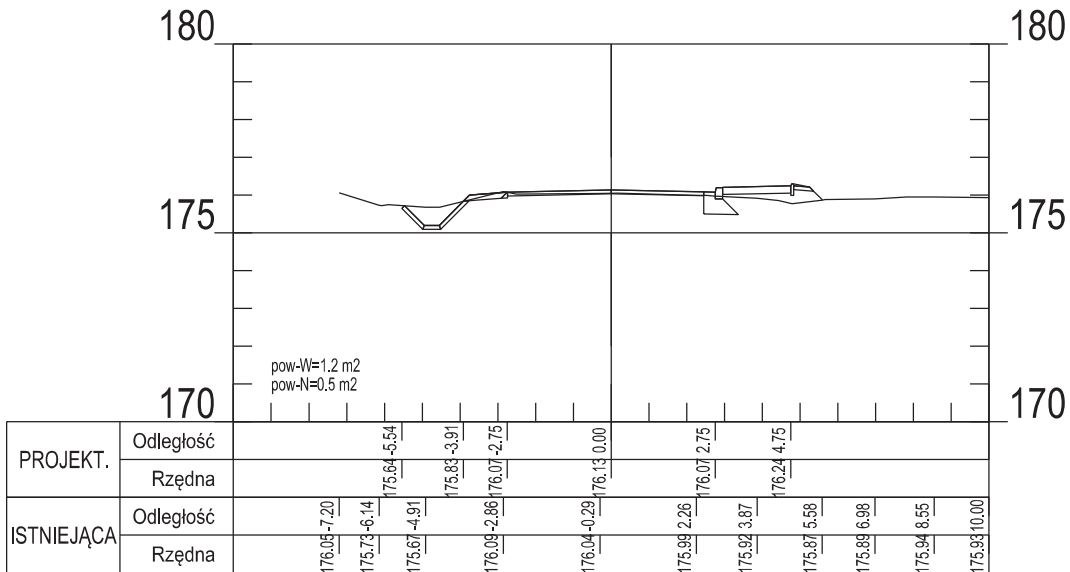
Skala 1:200
km 6+151,5



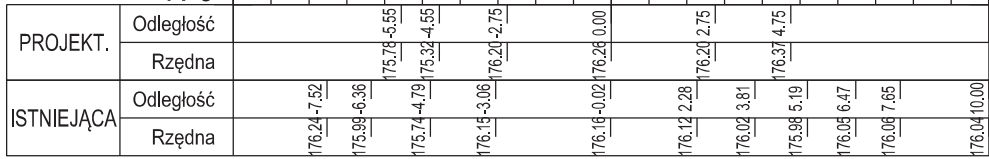
km 6+176,5



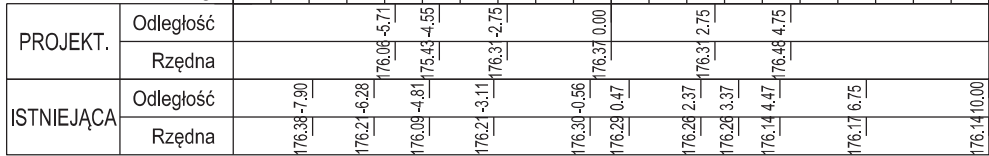
km 6+201,5



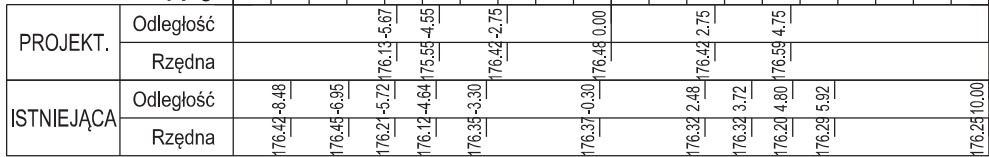
km 6+226,5



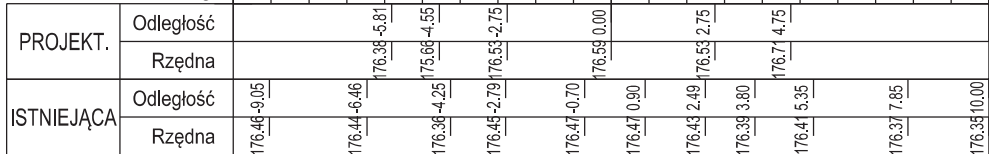
km 6+251,5



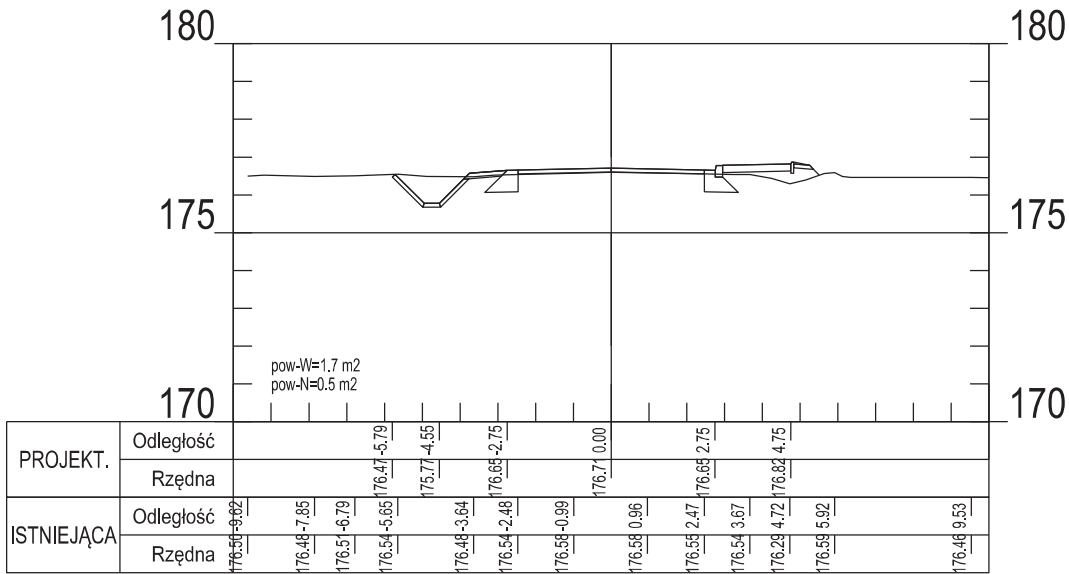
km 6+276,5



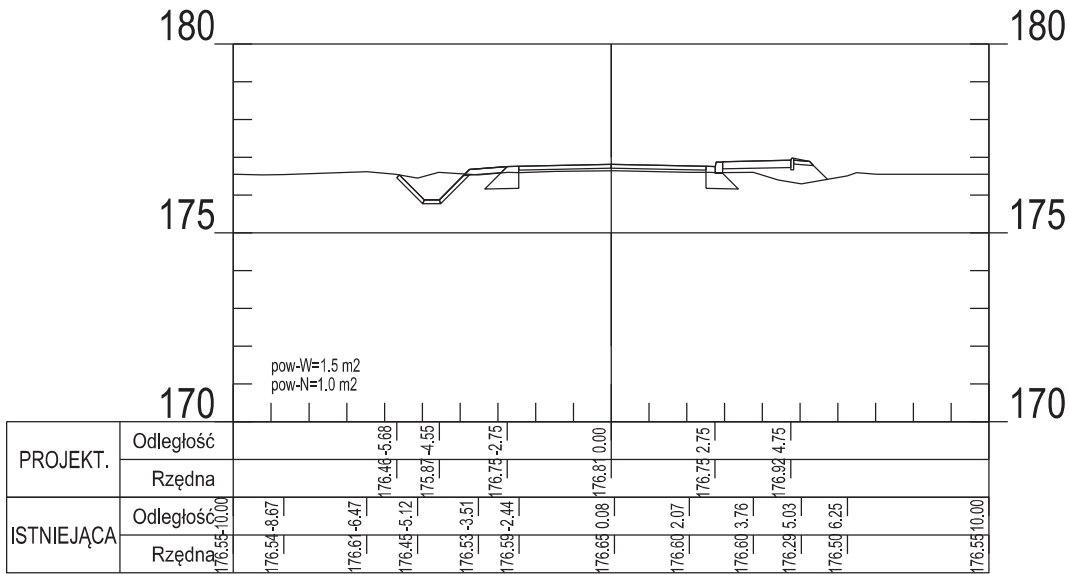
km 6+301,5



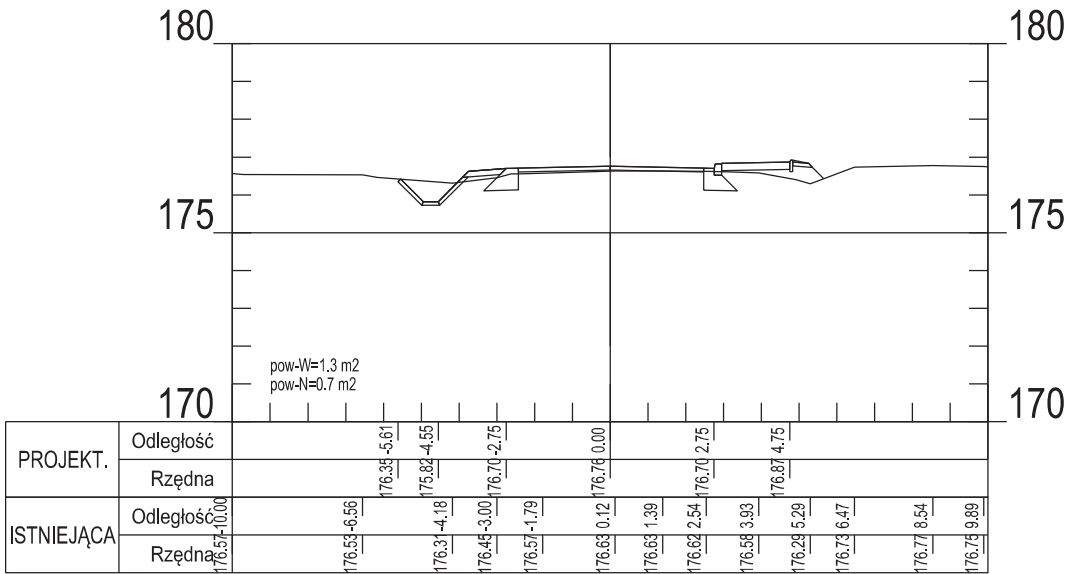
Skala 1:200
km 6+326,5



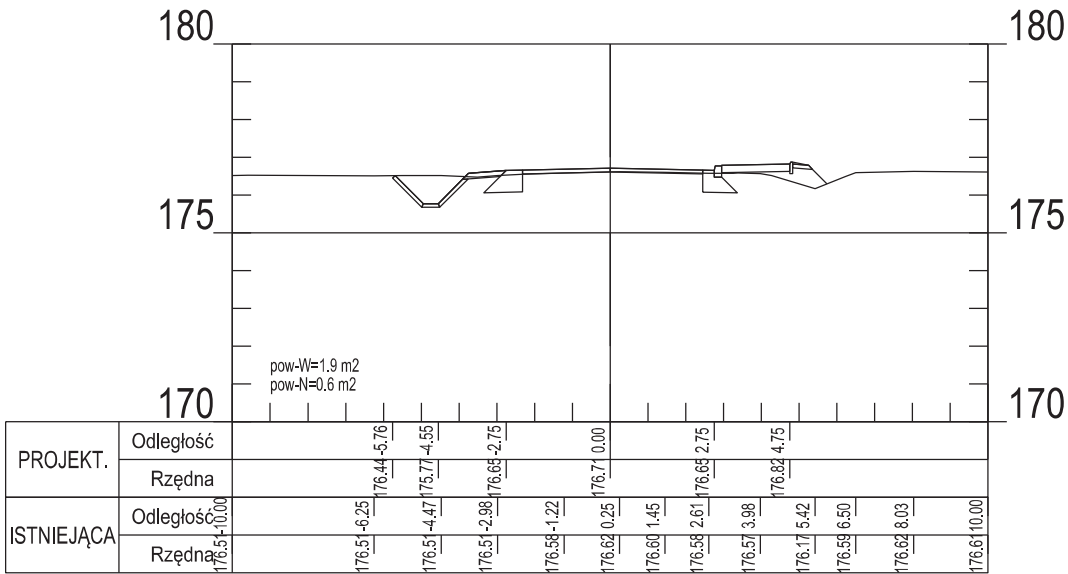
Skala 1:200
km 6+351,5



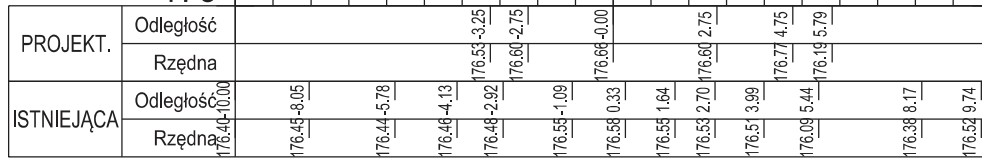
Skala 1:200
km 6+376,5



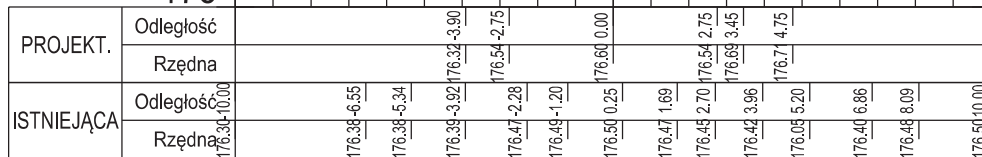
Skala 1:200
km 6+401,5



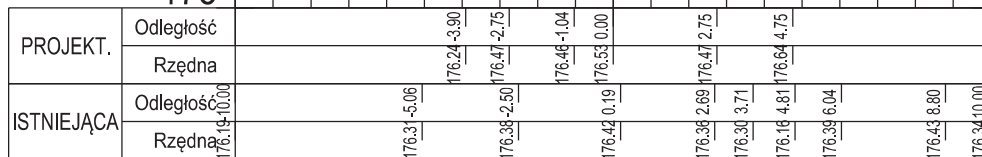
km 6+426,5



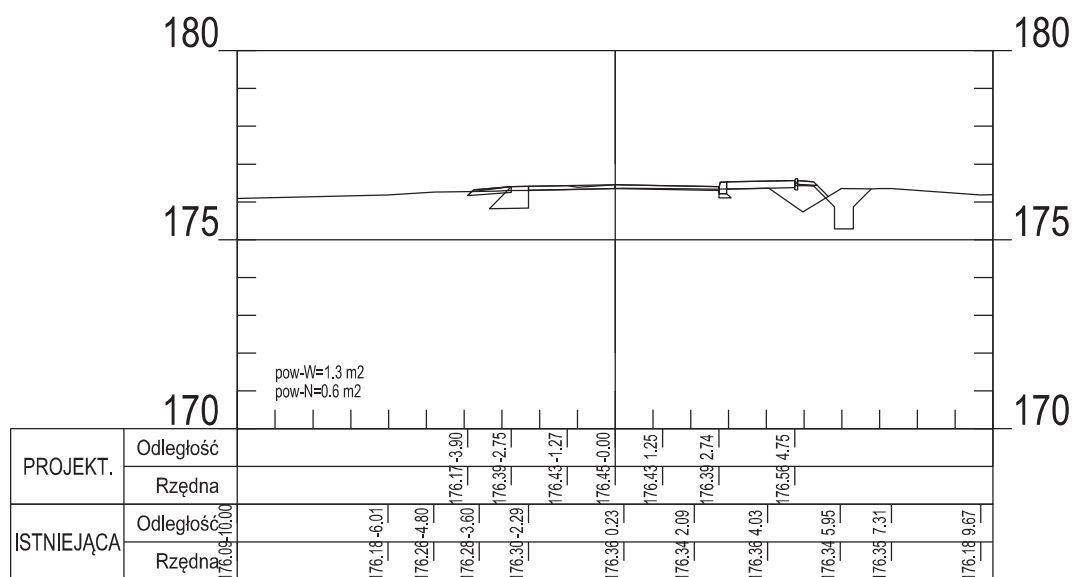
km 6+451,5



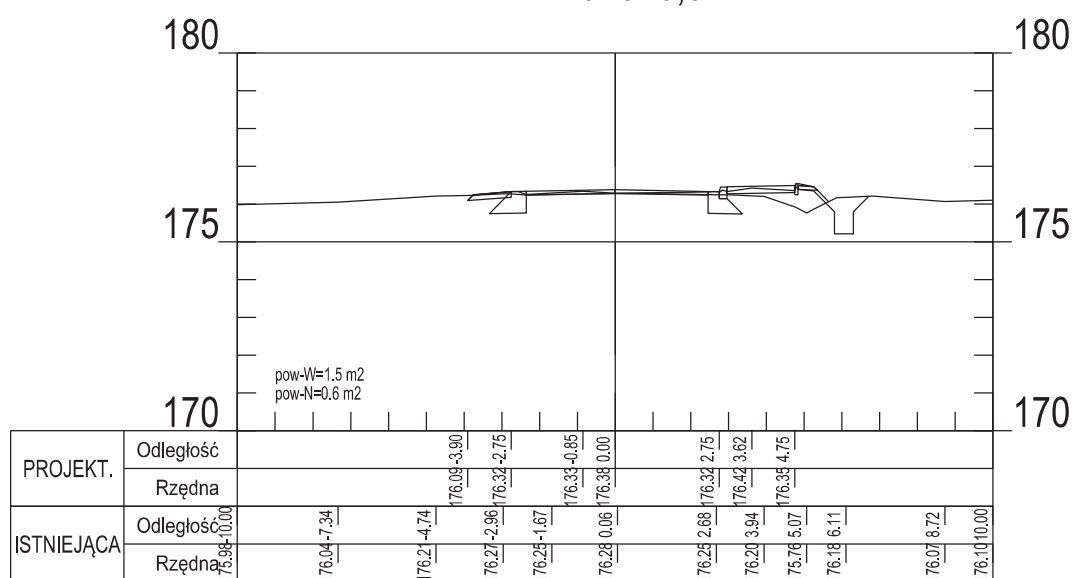
km 6+476,5



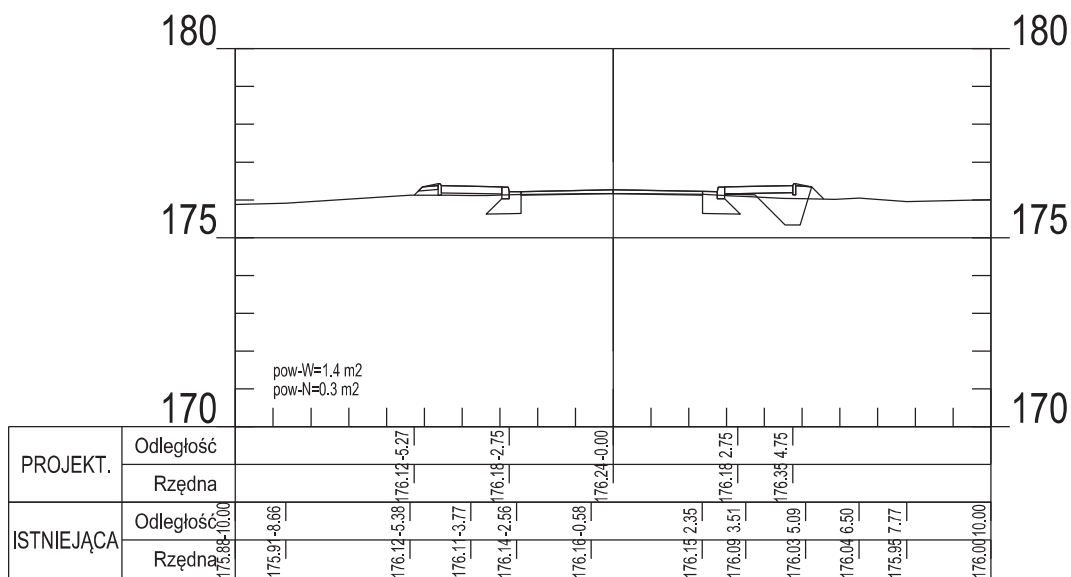
Skala 1:200
km 6+501,5



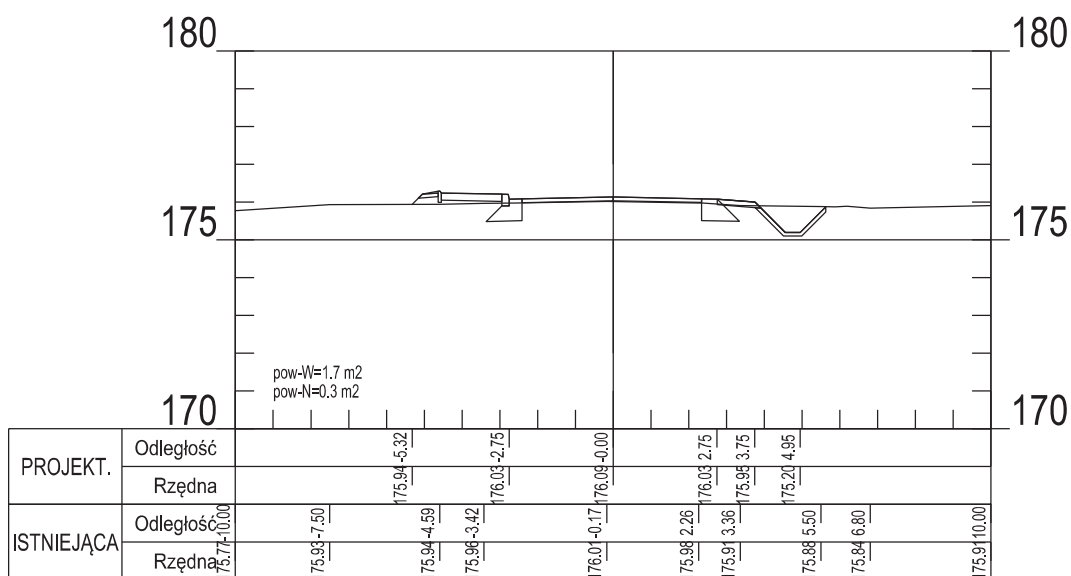
Skala 1:200
km 6+526,5



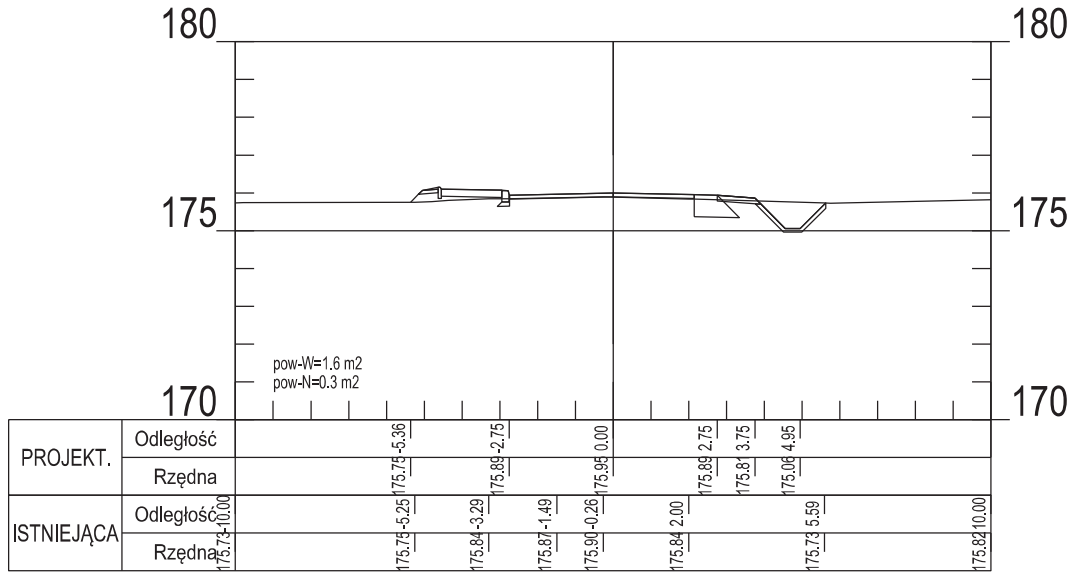
Skala 1:200
km 6+551,5



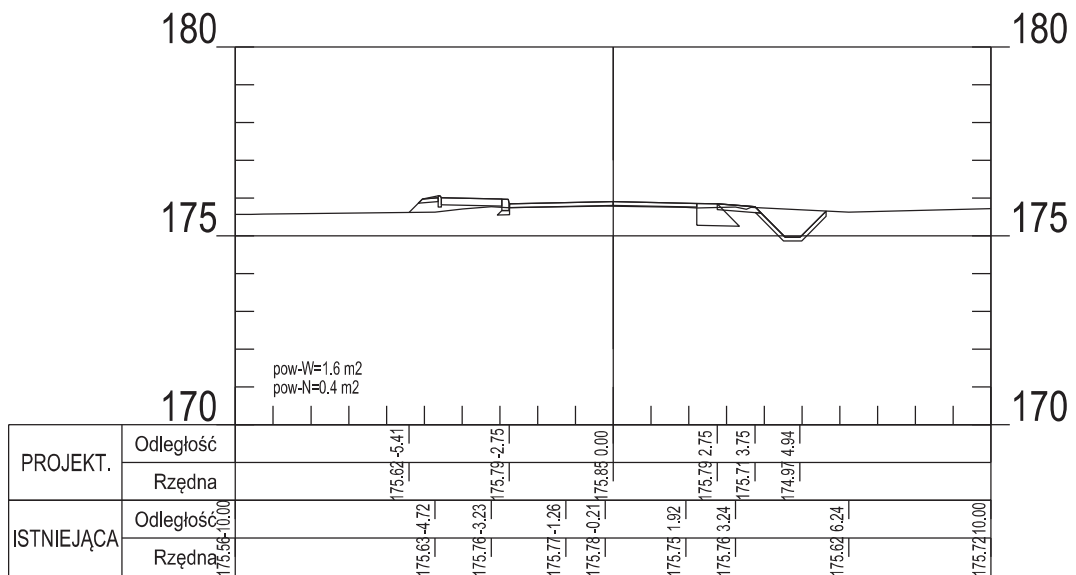
Skala 1:200
km 6+576,5



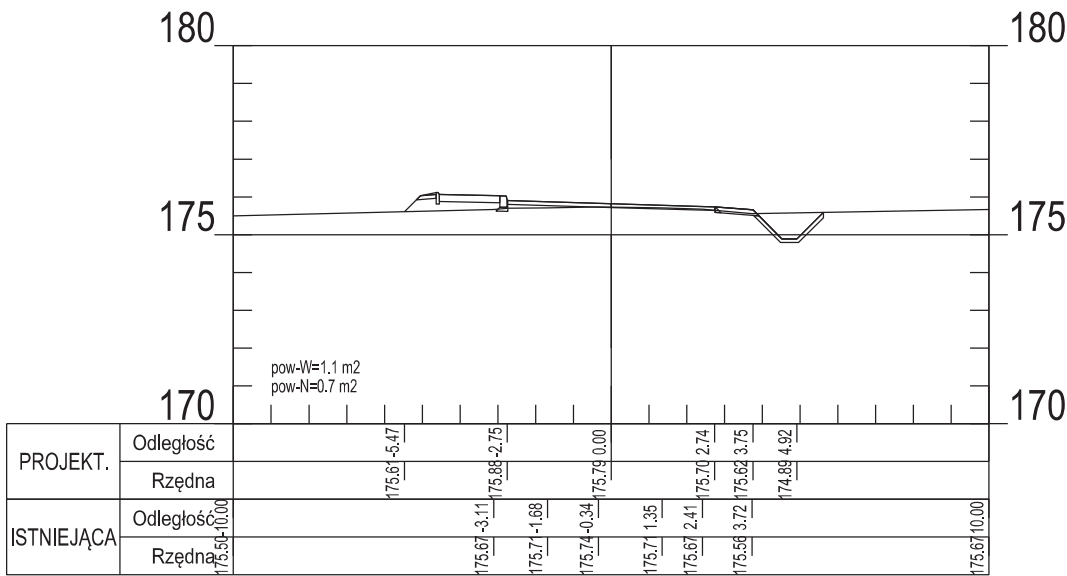
km 6+601,5



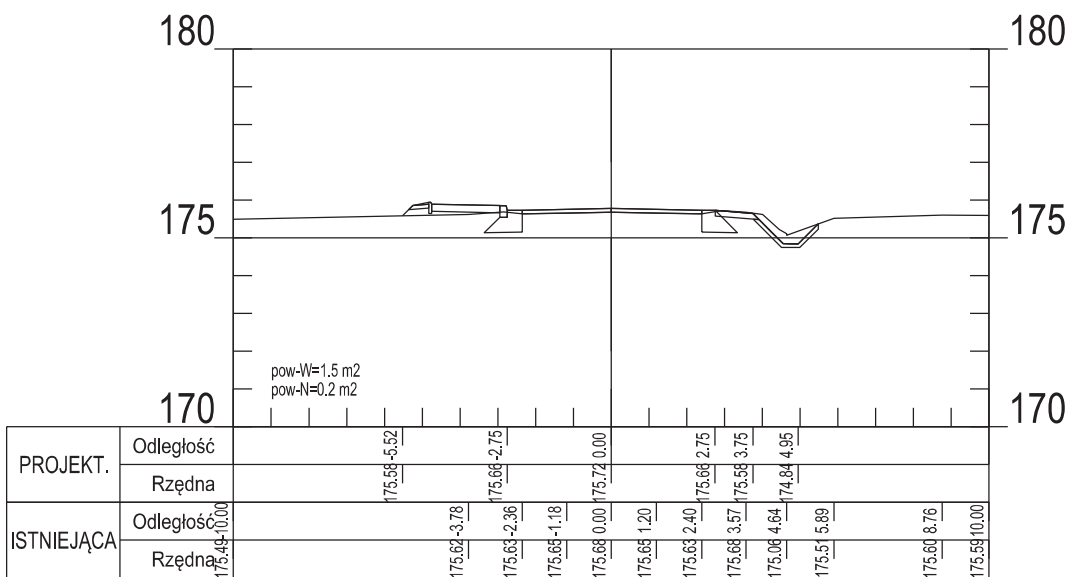
km 6+626,5



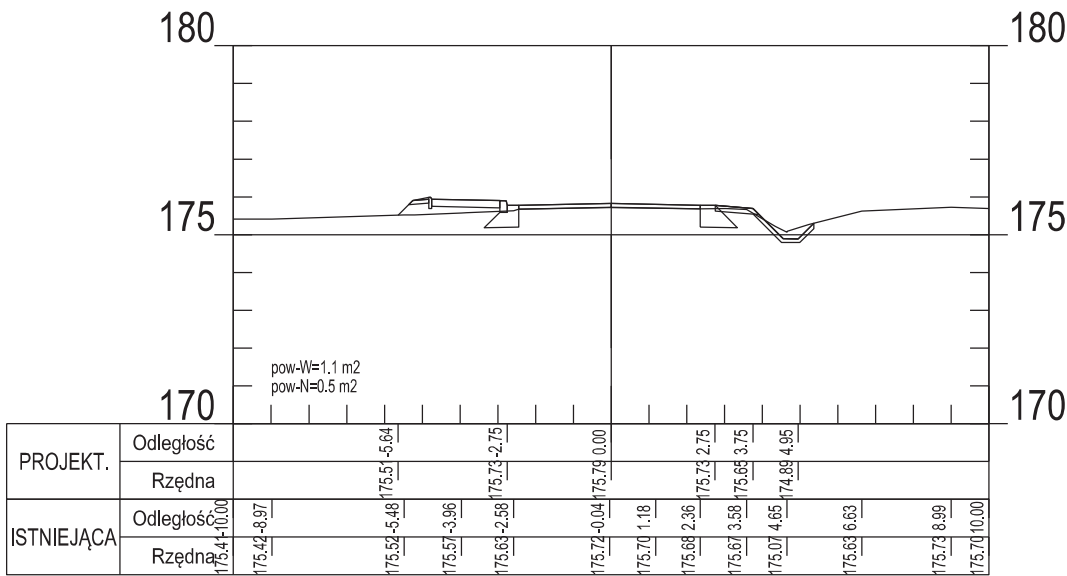
Skala 1:200
km 6+651,5



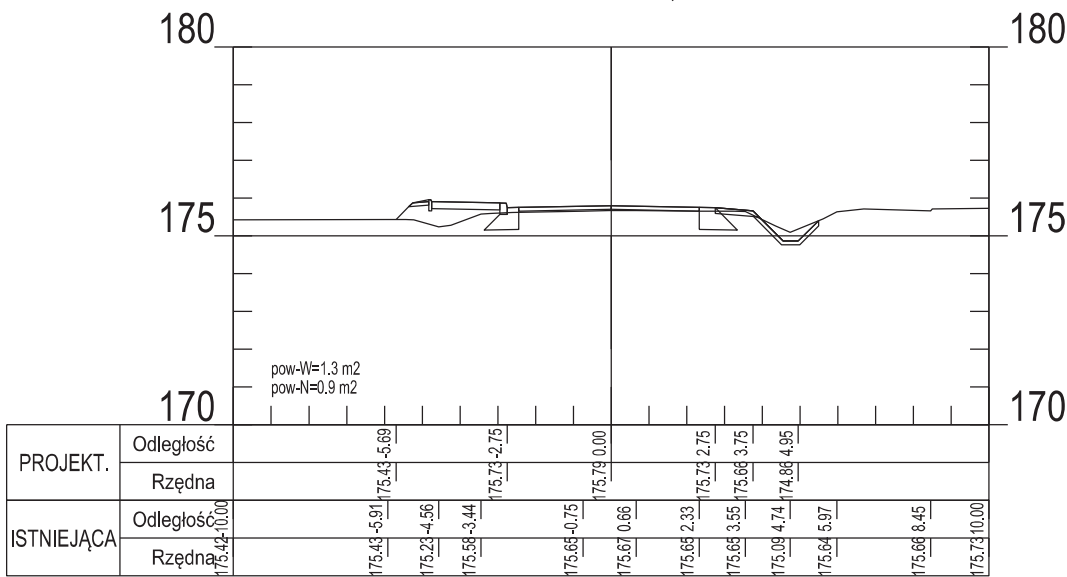
Skala 1:200
km 6+676,5



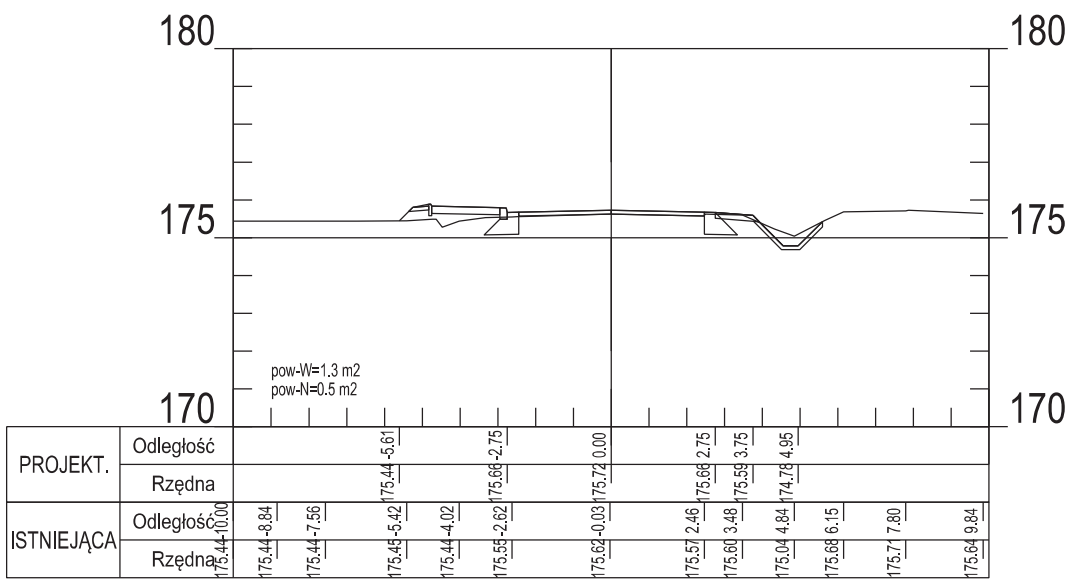
Skala 1:200
km 6+701,5



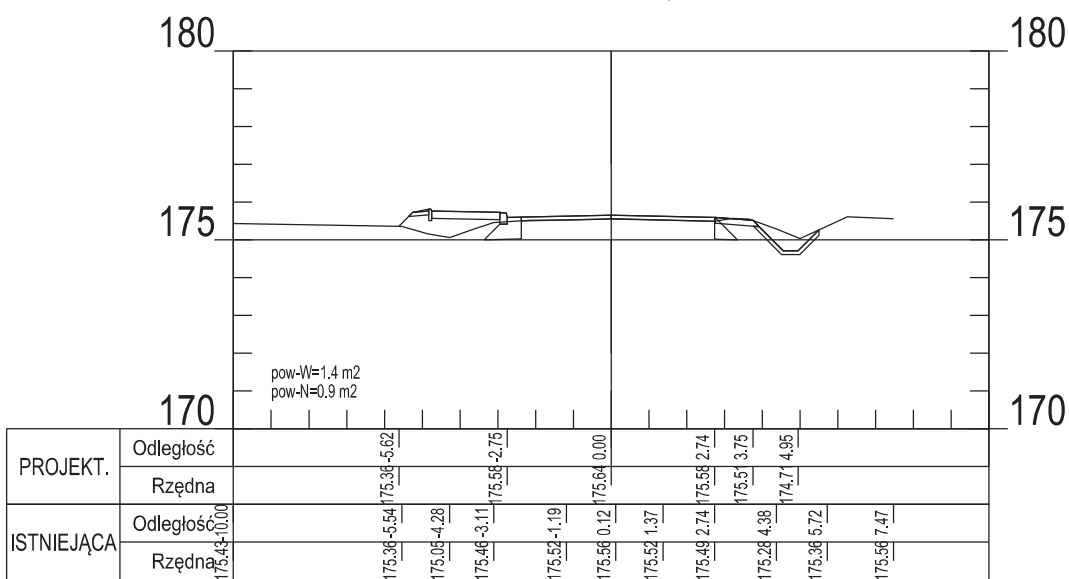
Skala 1:200
km 6+726,5



Skala 1:200
km 6+751,5



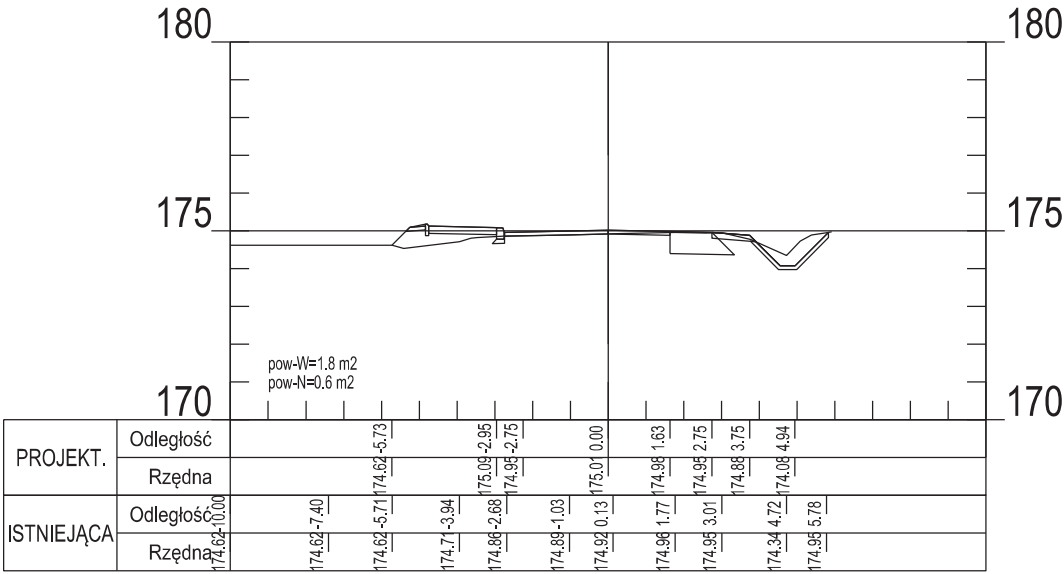
Skala 1:200
km 6+776,5



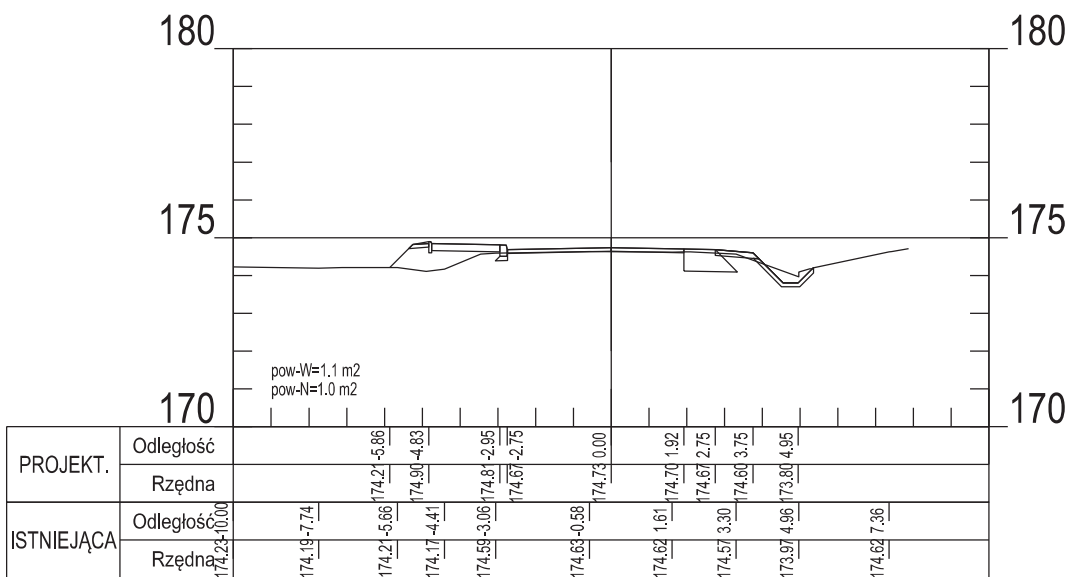
PROJEKT.	0+00		0+10		0+20		0+30		0+40		0+50		0+60	
	Odległość	Rzędna	Odległość	Rzędna	Odległość	Rzędna	Odległość	Rzędna	Odległość	Rzędna	Odległość	Rzędna	Odległość	Rzędna
ISTNIEJĄCA		175.34		175.16		175.14		175.43		175.49		175.45		174.56
		10.00		-5.80		-5.68		-2.75		0.00		2.75		4.95
				4.48		3.39		2.20		-0.21		2.25		6.60
				175.14		175.28		175.34		175.36		175.36		175.44

PROJEKT.	Odległość	
	Rzędna	
ISTNIEJĄCA	Odległość	0.00
	Rzędna	74.98
		74.99
		74.98
		74.96
		74.98
		75.05
		75.17
		75.24
		75.28
		75.28
		75.28
		74.72
		75.11

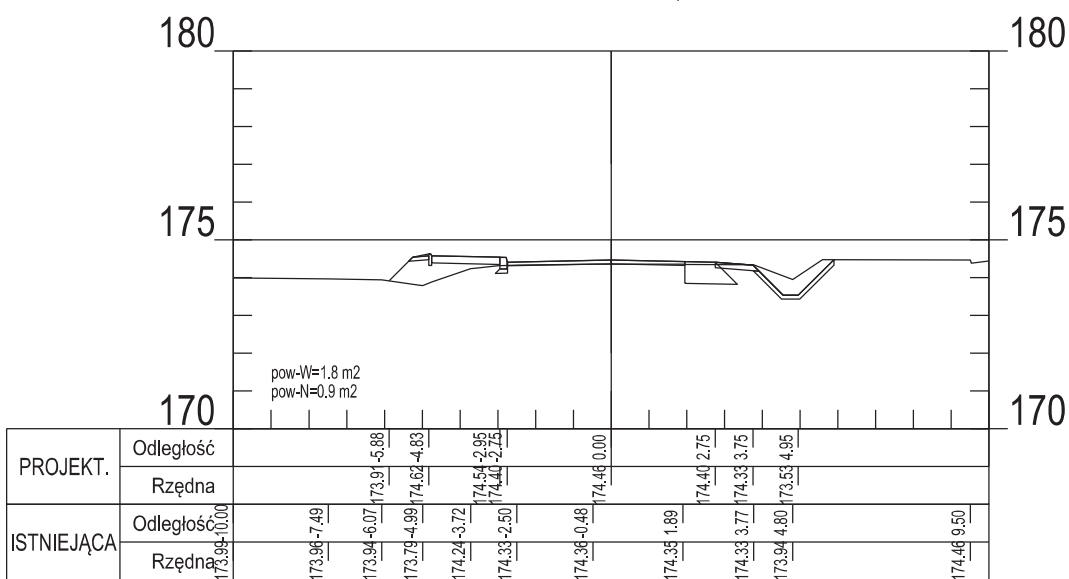
Skala 1:200
km 6+851,5



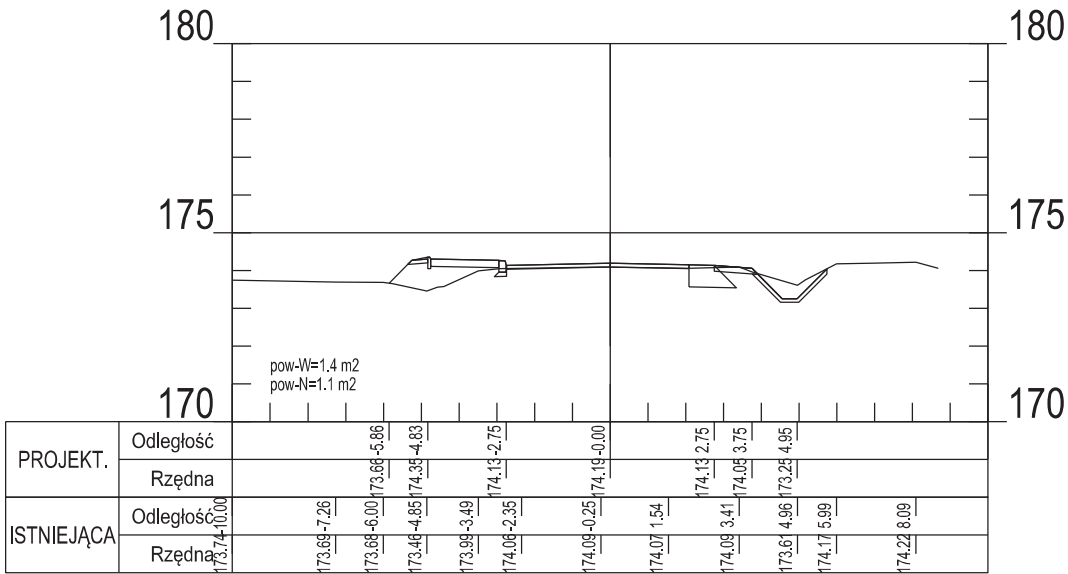
Skala 1:200
km 6+876,5



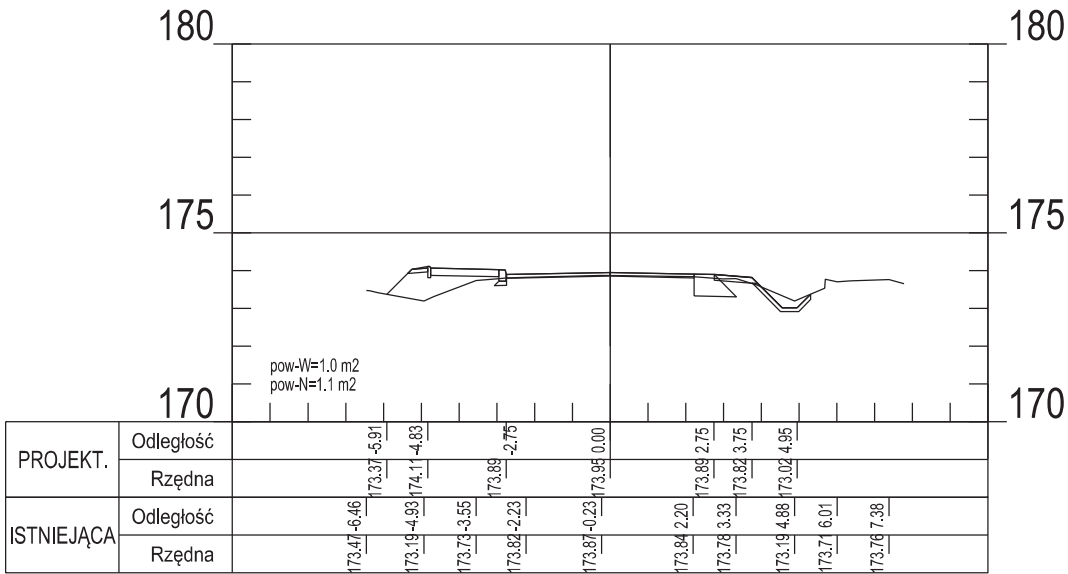
Skala 1:200
km 6+901,5



Skala 1:200
km 6+926,5

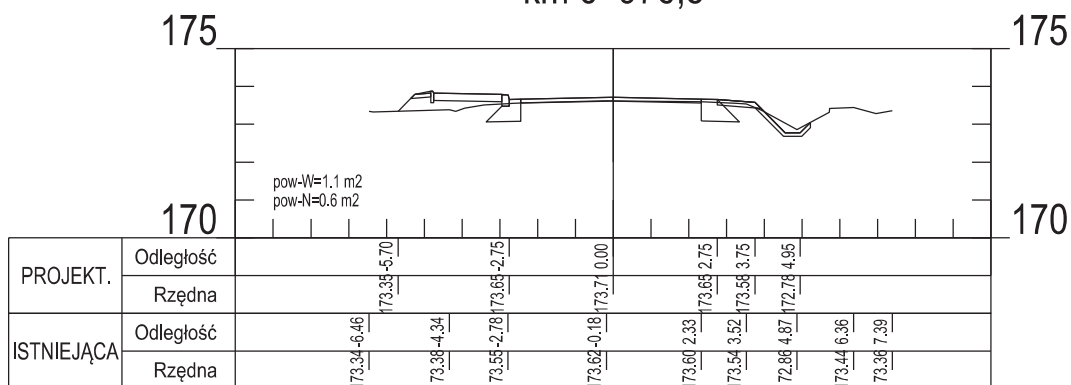


Skala 1:200
km 6+951,5



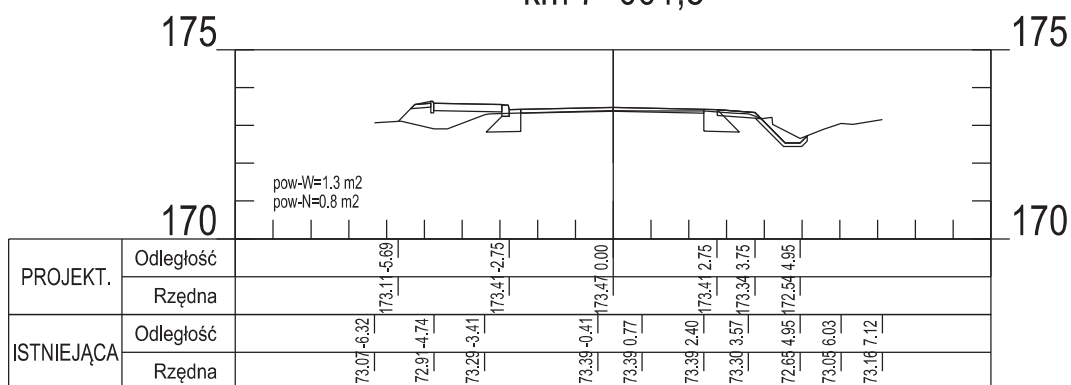
Skala 1:200

km 6+976,5



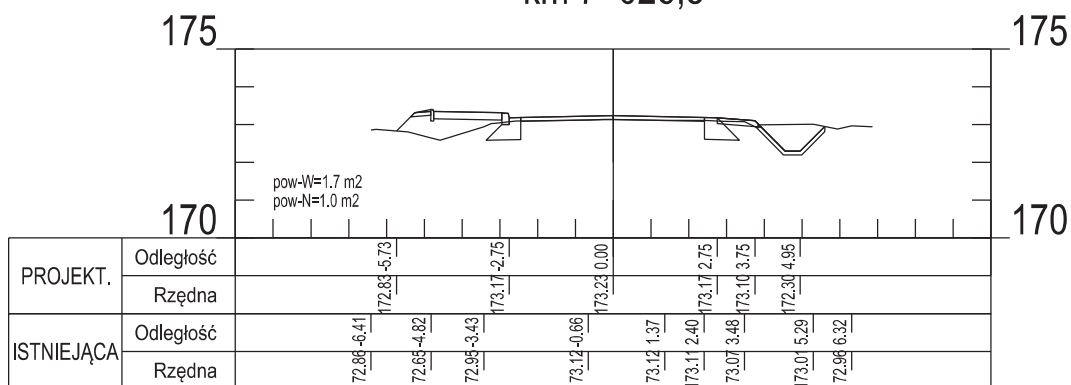
Skala 1:200

km 7+001,5

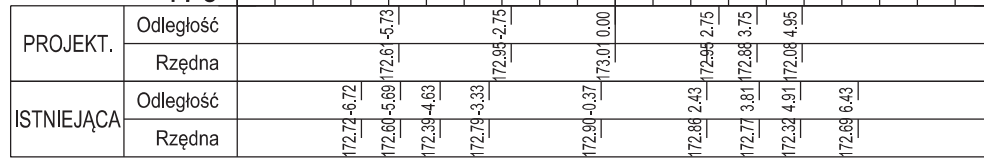


Skala 1:200

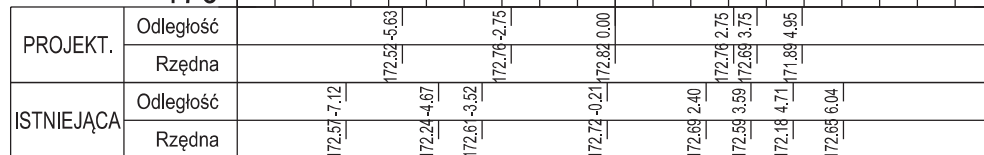
km 7+026,5



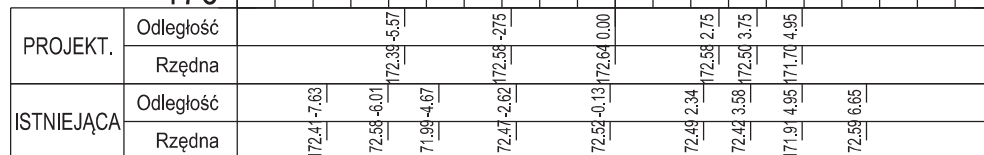
km 7+051,5



km 7+076,5

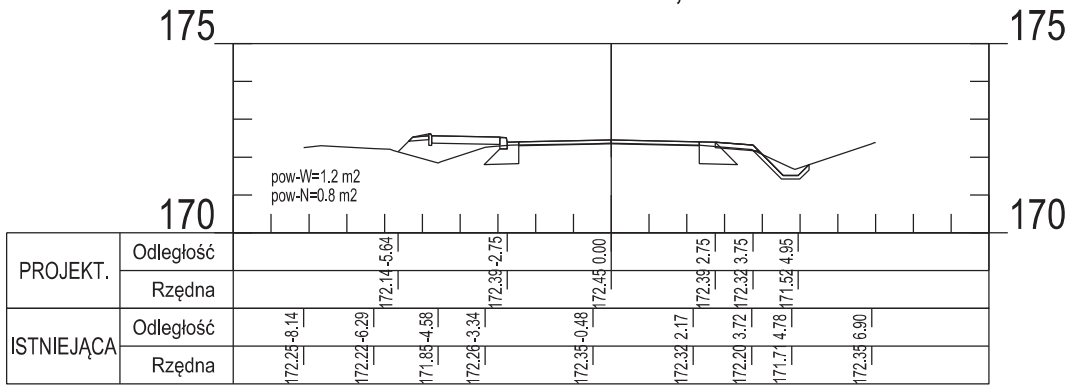


km 7+101,5



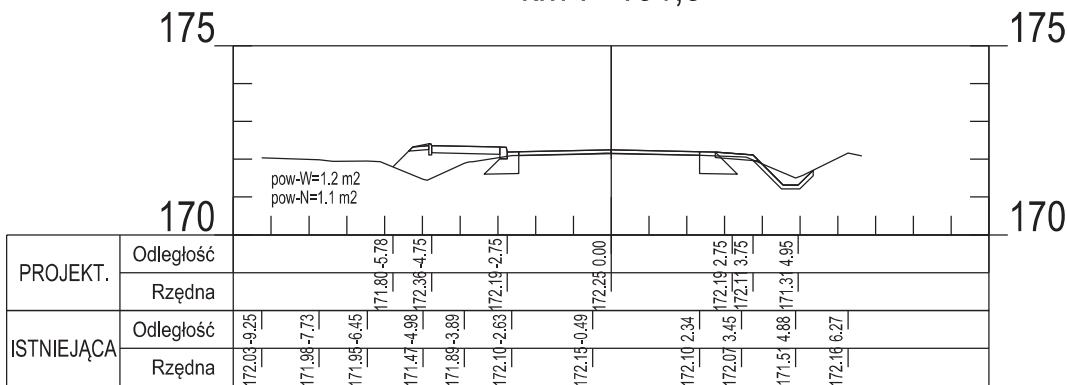
Skala 1:200

km 7+126,5



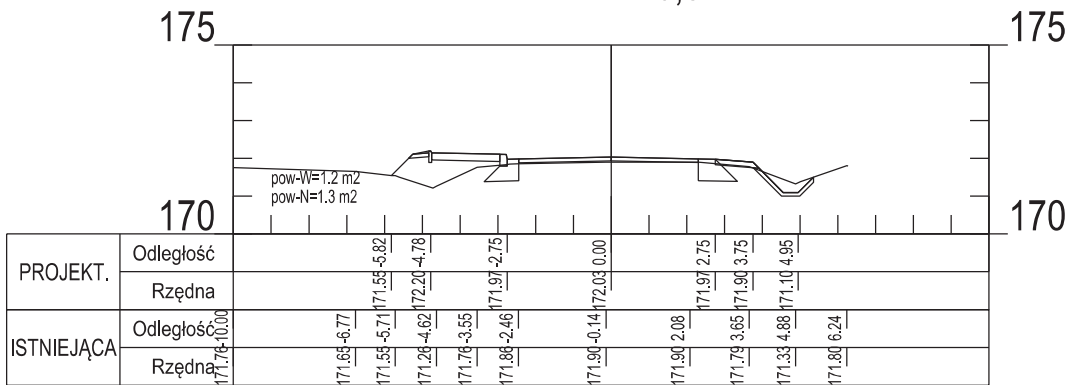
Skala 1:200

km 7+151,5

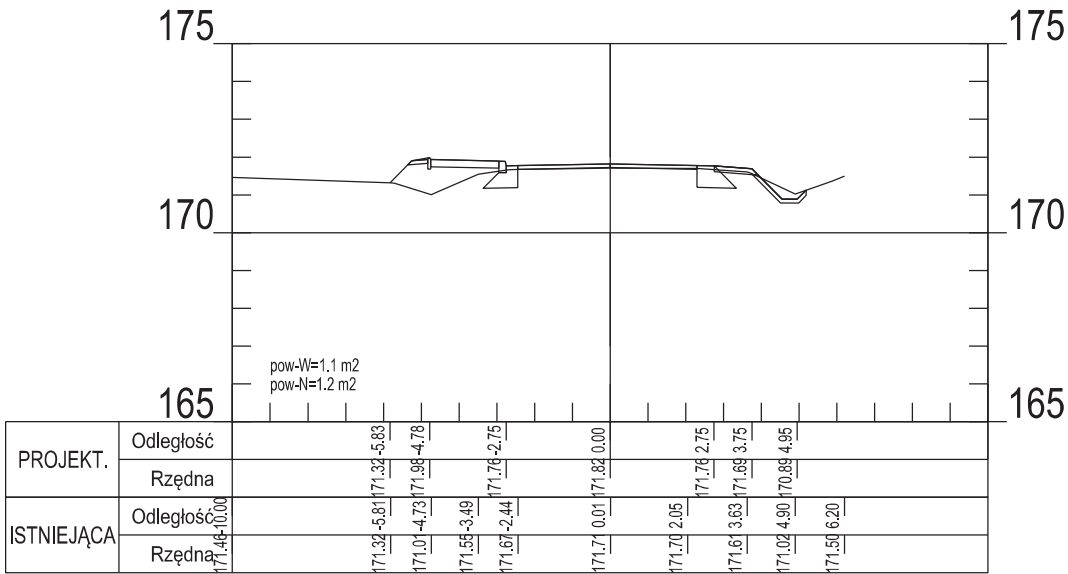


Skala 1:200

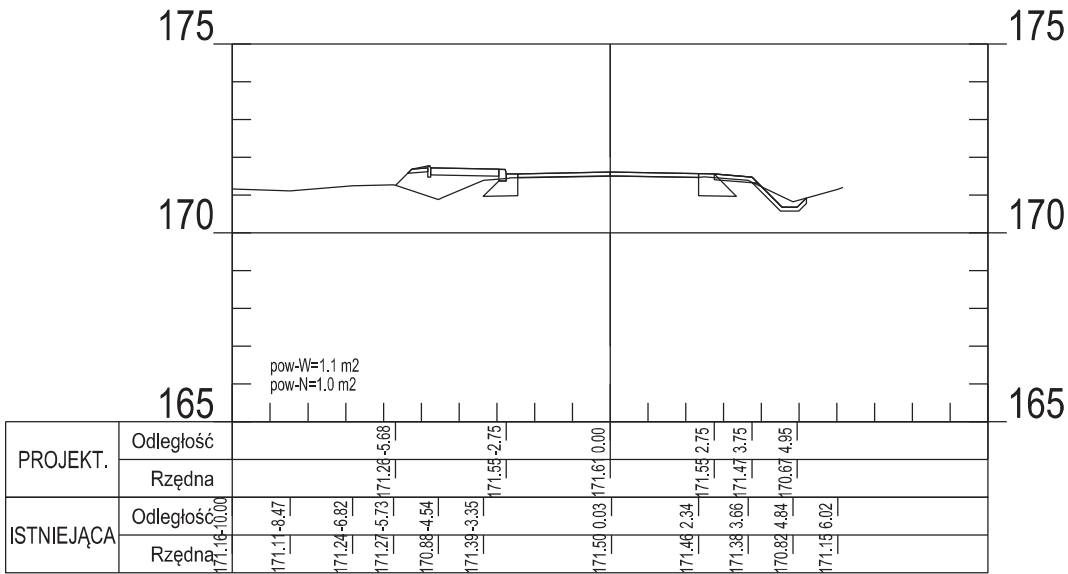
km 7+176,5



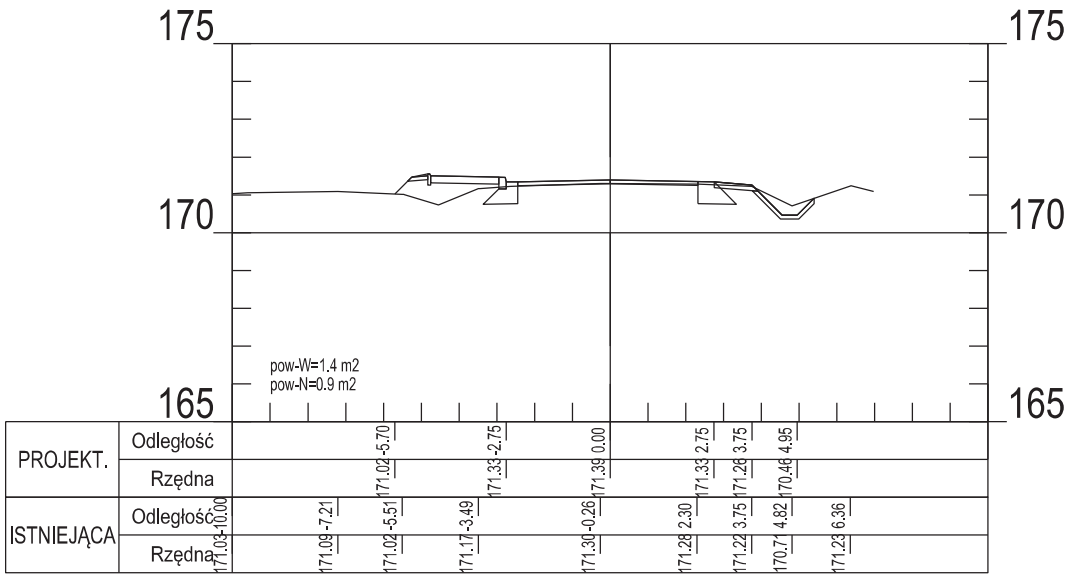
Skala 1:200
km 7+201,5



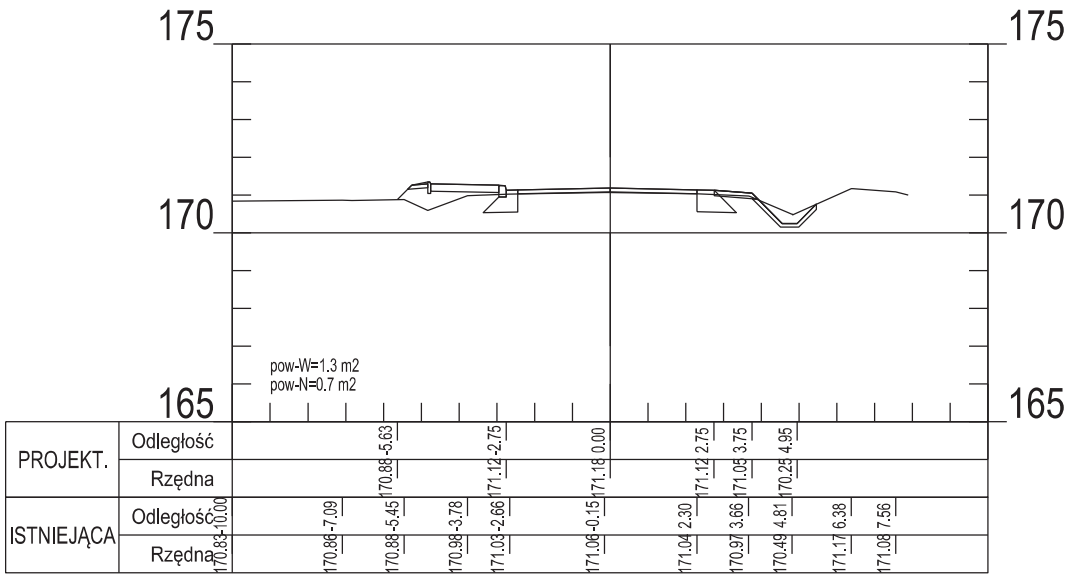
Skala 1:200
km 7+226,5



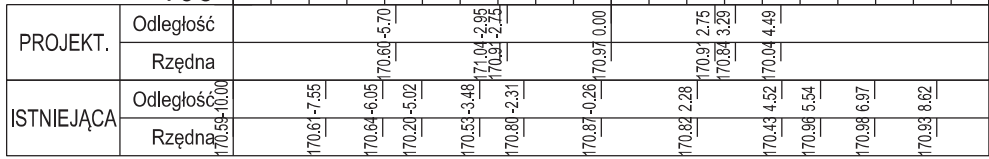
Skala 1:200
km 7+251,5



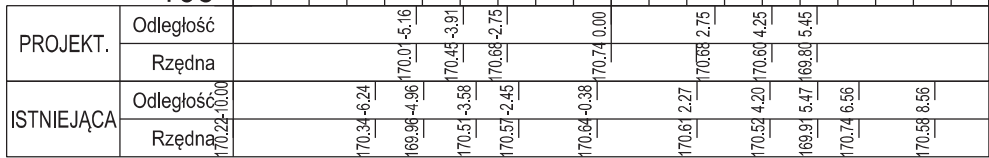
Skala 1:200
km 7+276,5



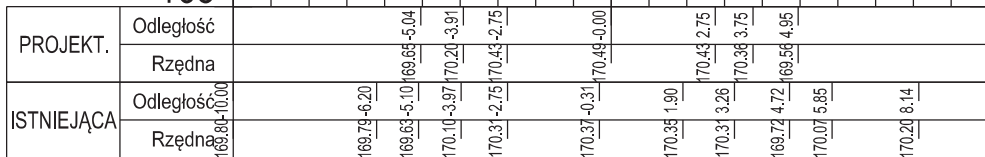
km 7+301,5



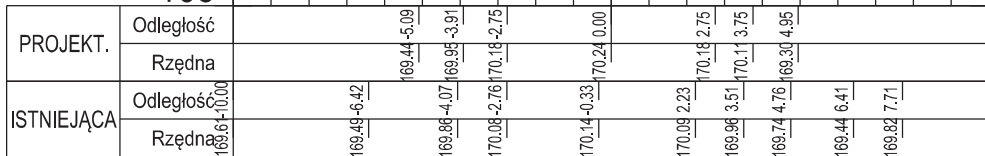
km 7+326,5



km 7+351,5

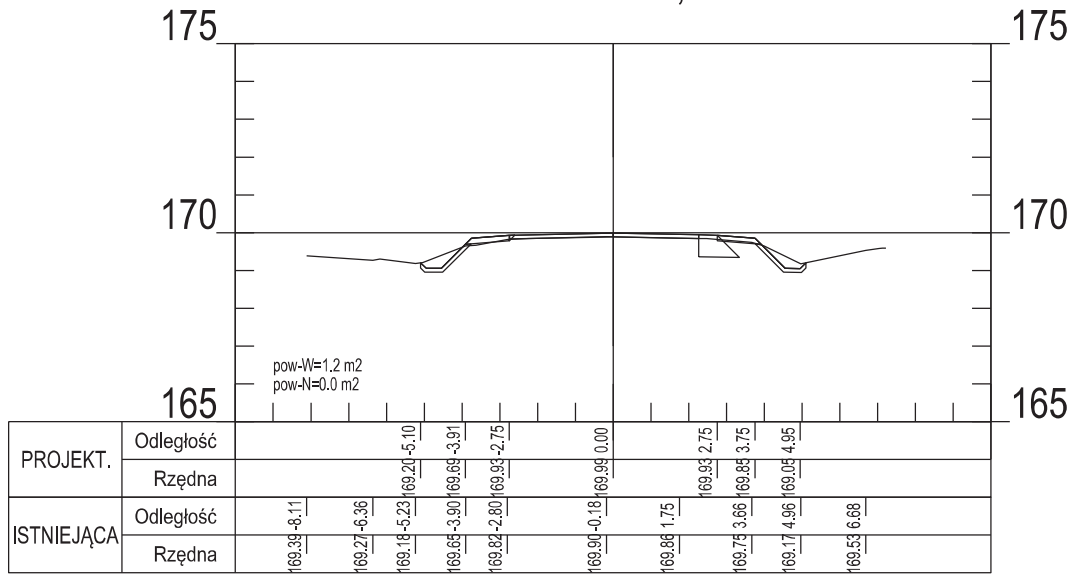


km 7+376,5



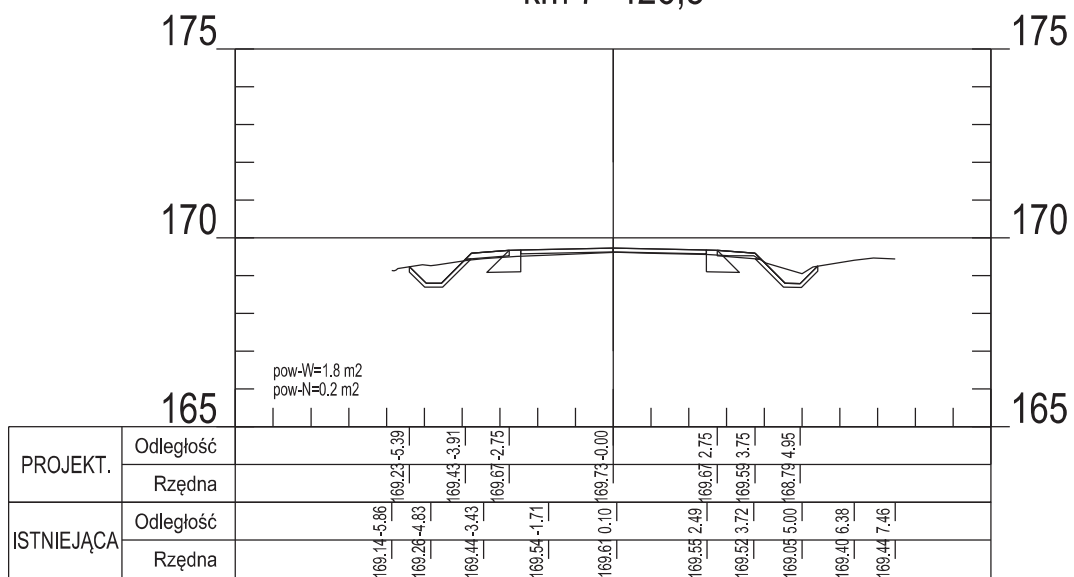
Skala 1:200

km 7+401,5



Skala 1:200

km 7+426,5

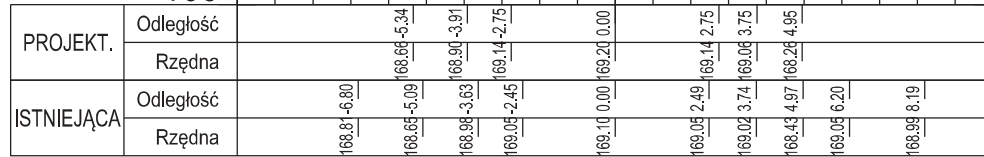


[illegible]

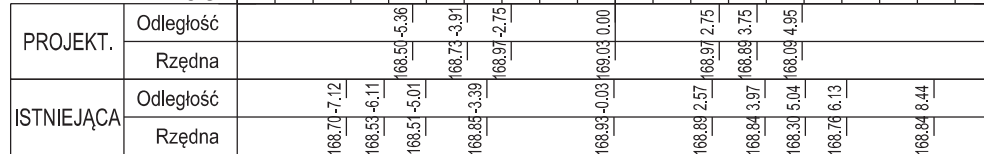
Figure 10 is a line graph showing the difference in the number of birds (N) between two areas (W and N) for two different power levels ($pow-W$ and $pow-N$). The y-axis represents the difference in bird count, ranging from 165 to 175. The x-axis represents the difference in area (m^2), ranging from -10 to 10. Two lines are plotted: a solid line for $pow-W=1.5 m^2$ and a dashed line for $pow-N=0.1 m^2$. Both lines show a slight increase in bird count difference as the area difference increases, with the solid line consistently higher than the dashed line.

[illegible]

km 7+501,5

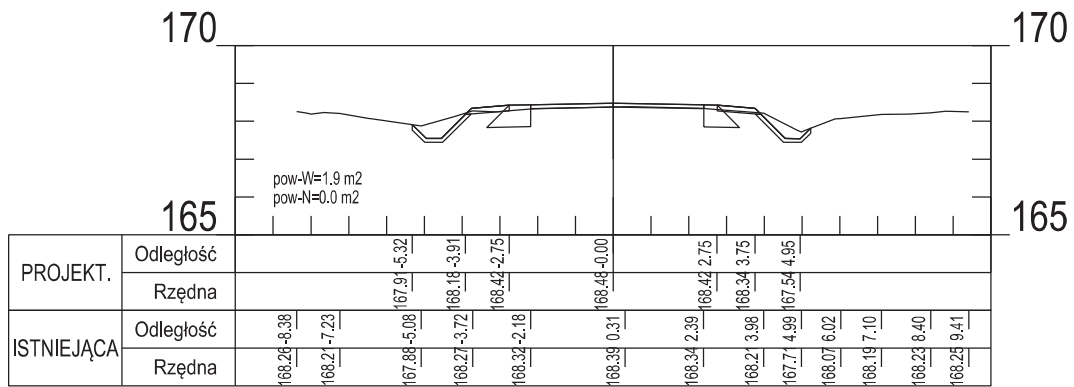


km 7+526,5

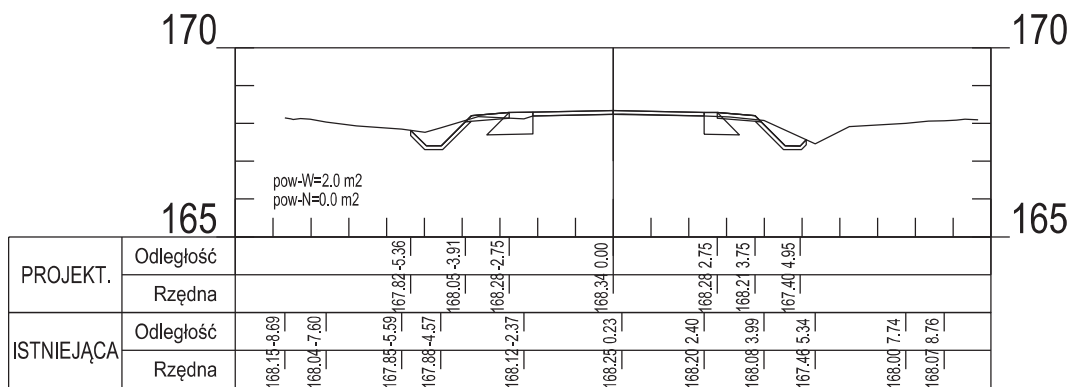


[illegible][illegible][illegible]

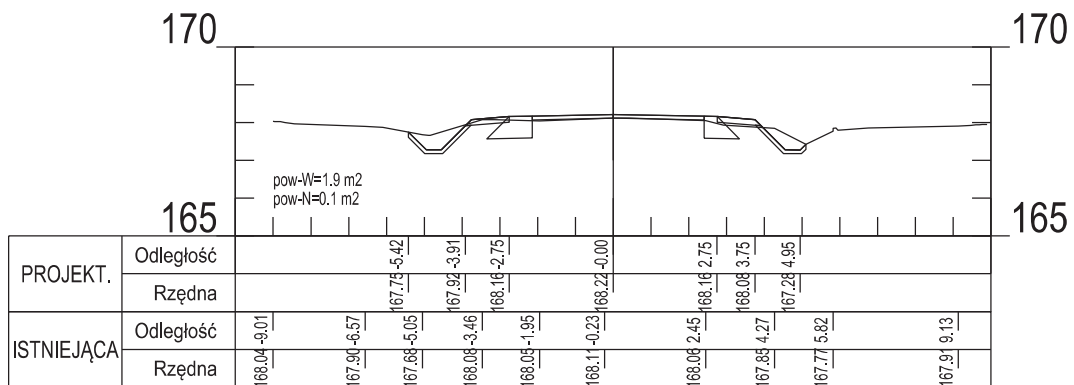
Skala 1:200
km 7+626,5



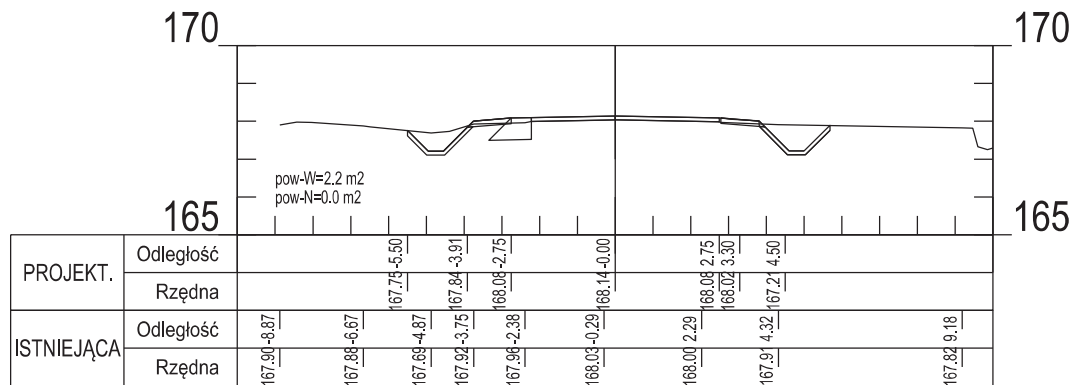
Skala 1:200
km 7+651,5



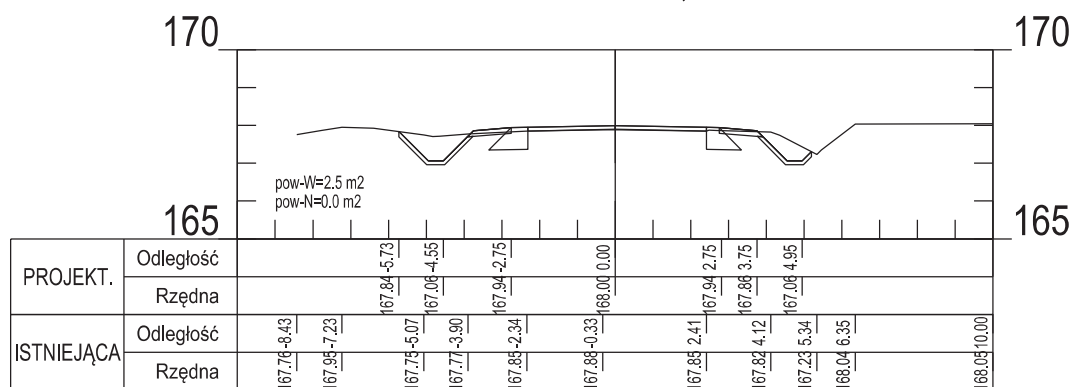
Skala 1:200
km 7+676,5



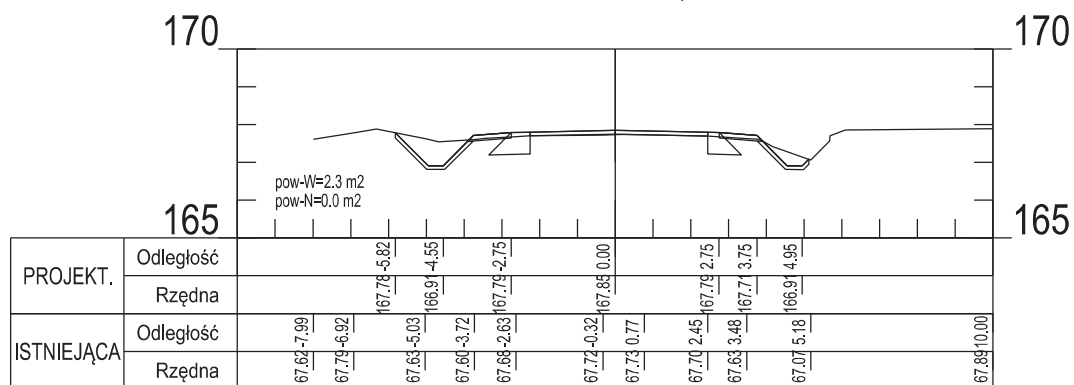
Skala 1:200
km 7+701,5



Skala 1:200
km 7+726,5



Skala 1:200
km 7+751,5



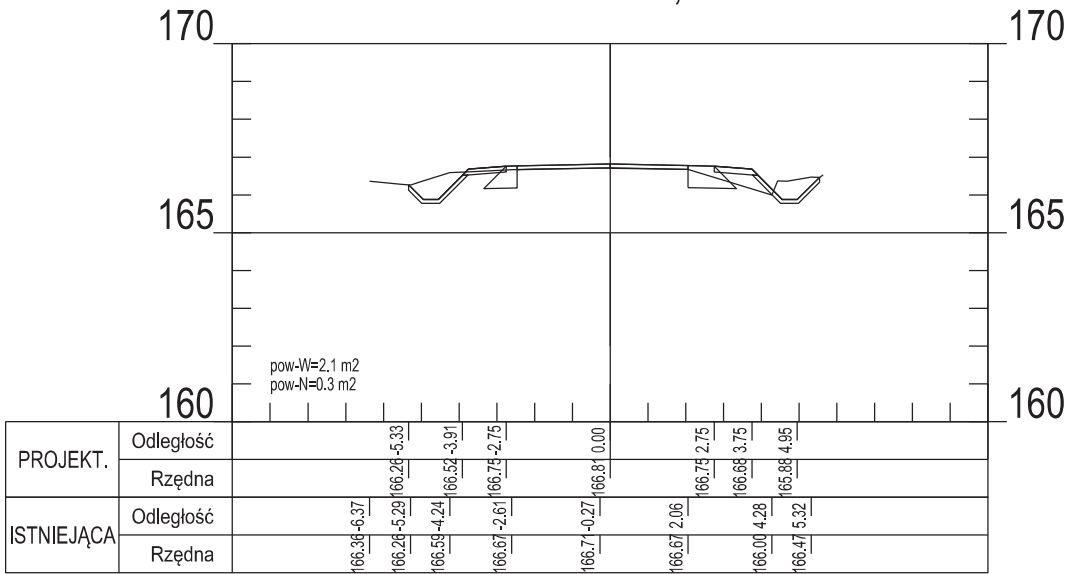
[illegible][illegible]

ISTNIEJĄCA	Odległość	67,13-6,71	11
	Rzędna	66,87-5,10	11
	Odległość	67,11-4,10	11
	Rzędna	67,17-2,49	11
	Odległość	67,20-1,24	11
	Rzędna	67,22 0,00	11
	Odległość	67,20 1,54	11
	Rzędna	67,16 2,95	11
	Odległość	66,89 4,28	11
	Rzędna	66,79 5,37	11
	Odległość	67,25 7,83	11
	Rzędna	67,10 9,70	11

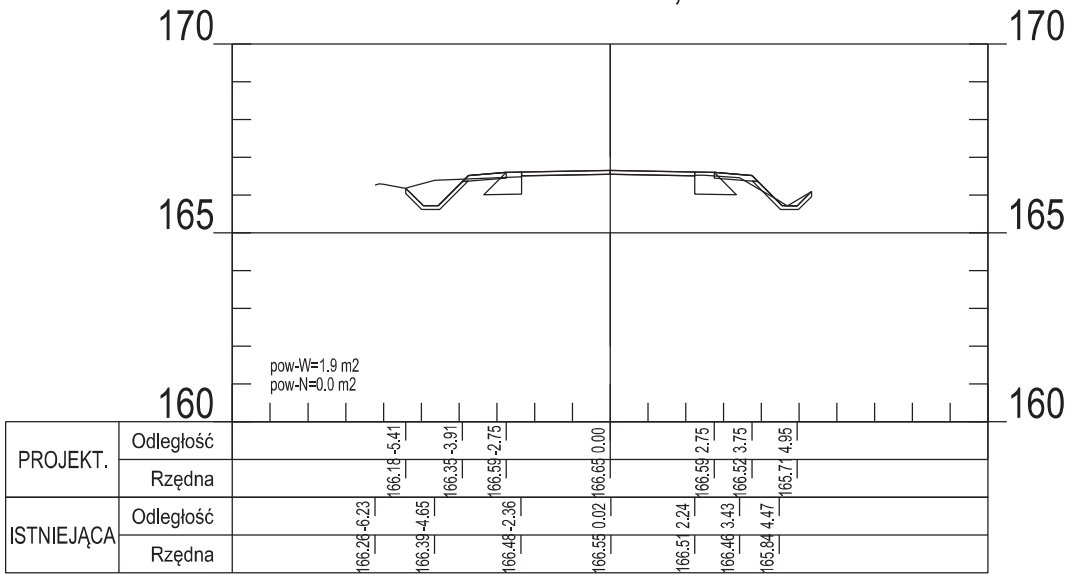
Figure 10 is a line graph showing the variation of the normalized vertical coordinate z/h versus the normalized horizontal coordinate x/h . The y-axis ranges from 165 to 170, and the x-axis ranges from 0 to 1. Two curves are plotted: one for $\text{pow-W}=1.9 \text{ m}^2$ and $\text{pow-N}=0.0 \text{ m}^2$, and another for $\text{pow-W}=0.0 \text{ m}^2$ and $\text{pow-N}=1.9 \text{ m}^2$. Both curves show a similar profile with a central plateau and side lobes.

[illegible][illegible]

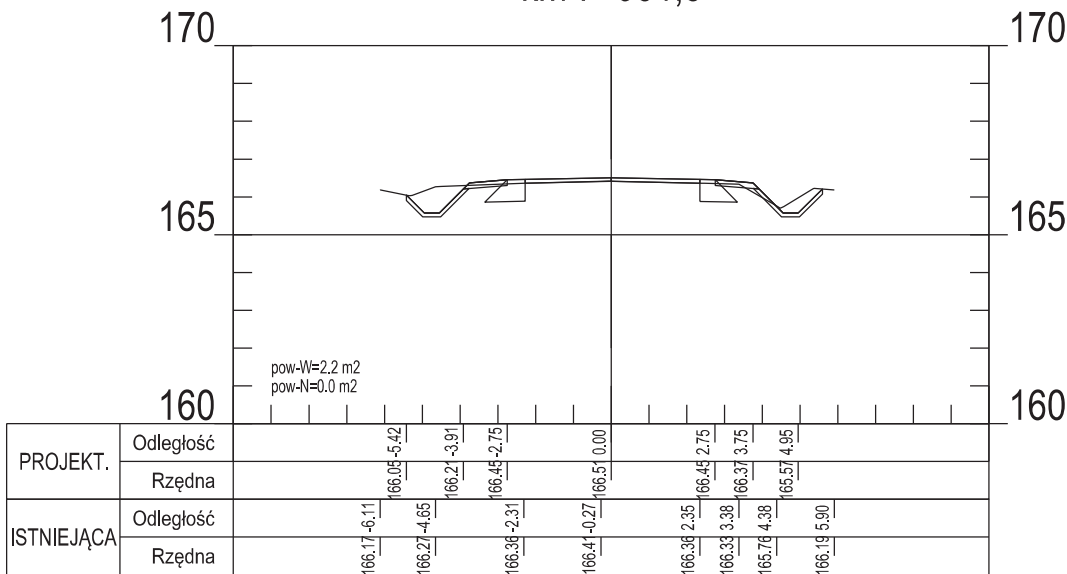
Skala 1:200
km 7+901,5



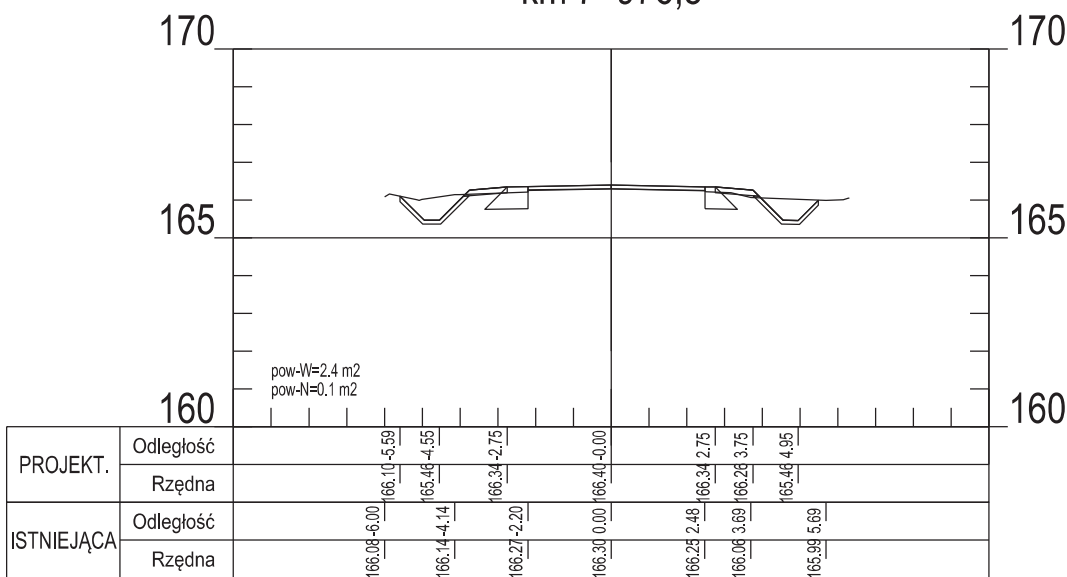
Skala 1:200
km 7+926,5



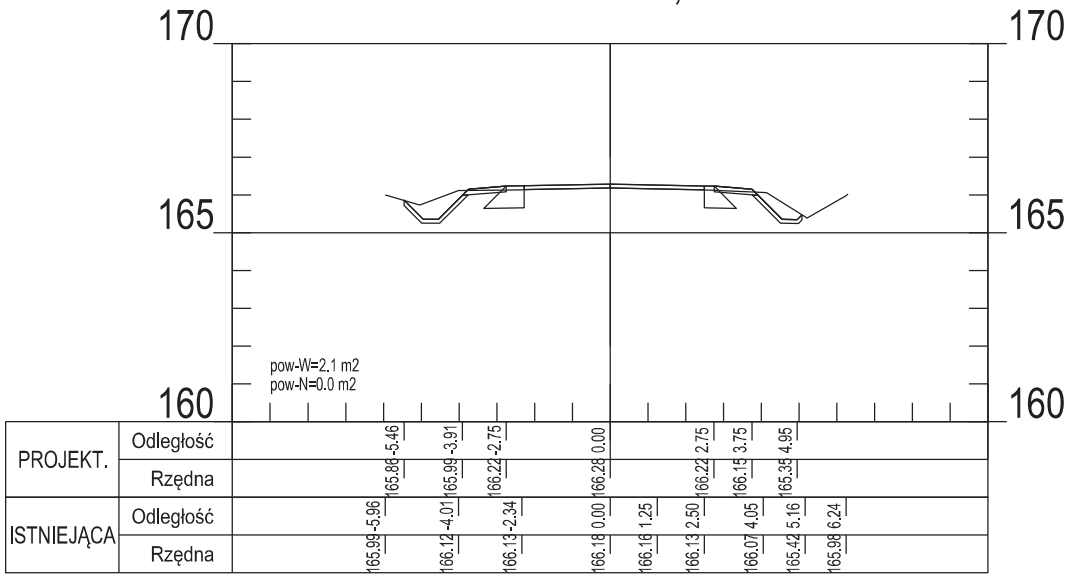
Skala 1:200
km 7+951,5



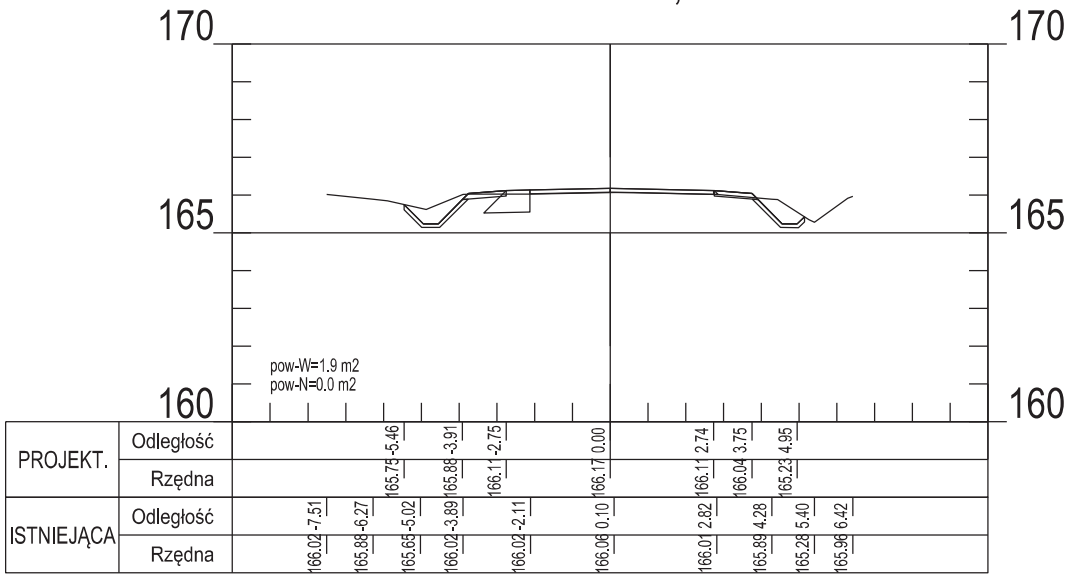
Skala 1:200
km 7+976,5



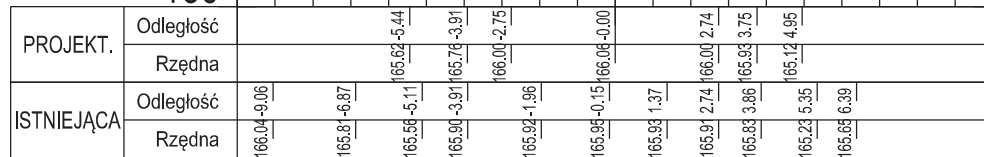
Skala 1:200
km 8+001,5



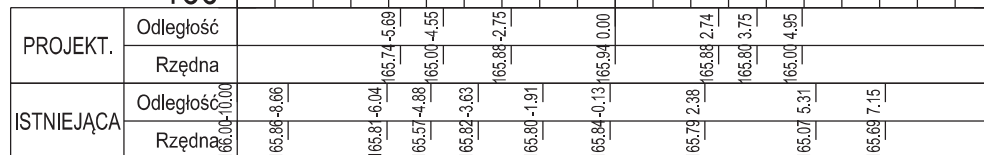
Skala 1:200
km 8+026,5



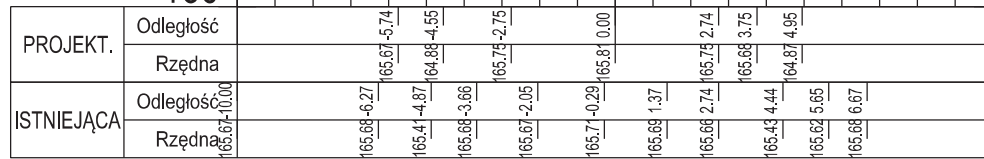
km 8+051,5



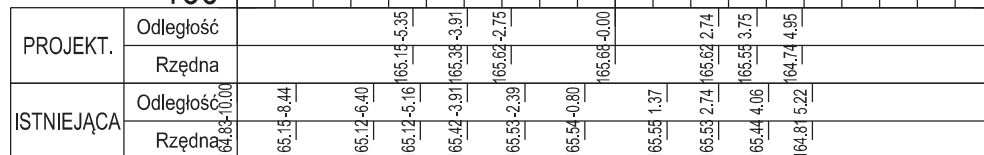
km 8+076,5



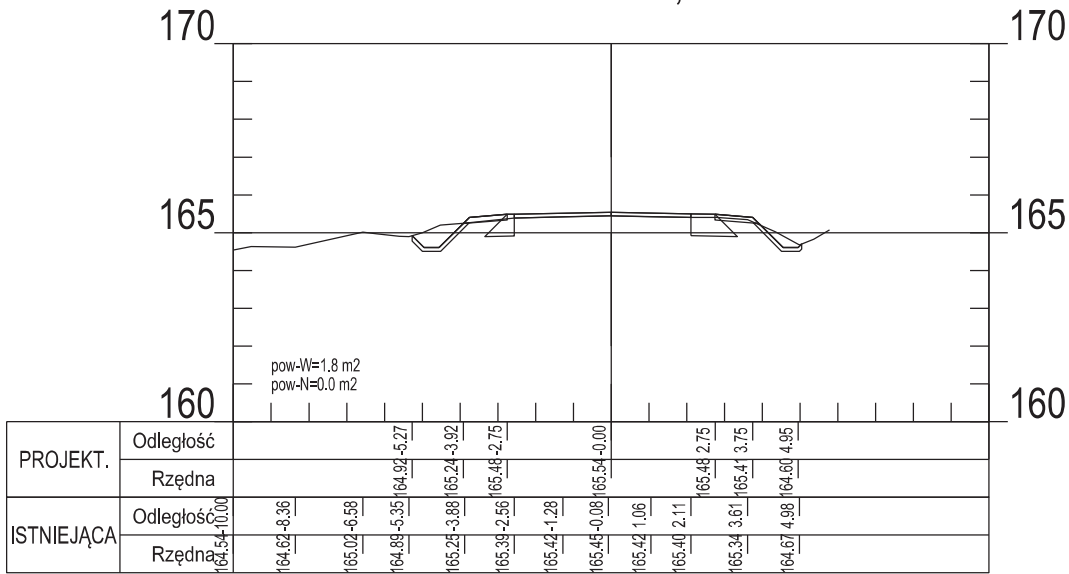
km 8+101,5



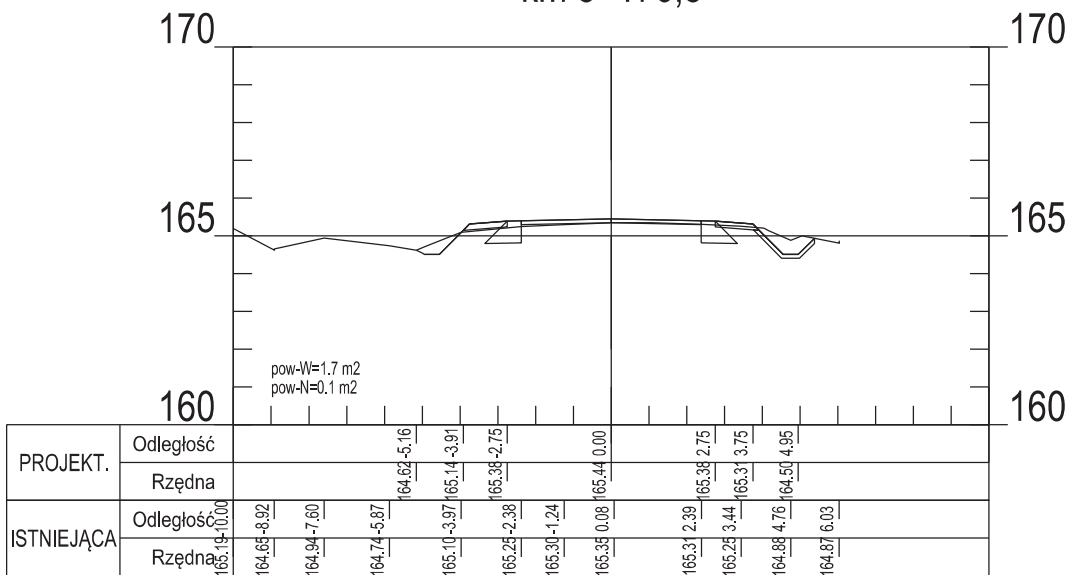
km 8+126,5



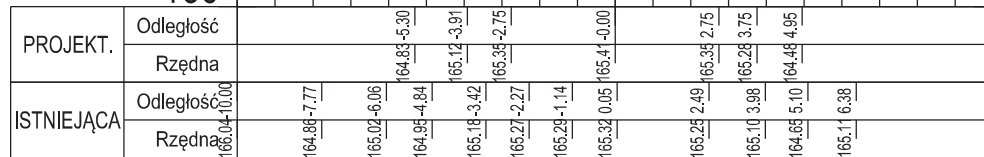
Skala 1:200
km 8+151,5



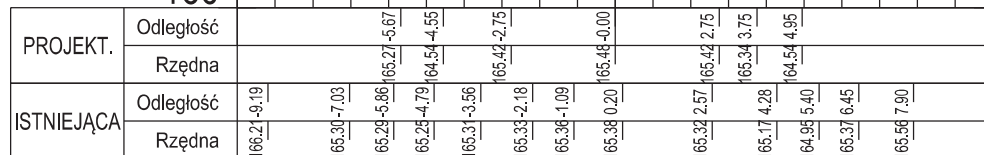
Skala 1:200
km 8+176,5



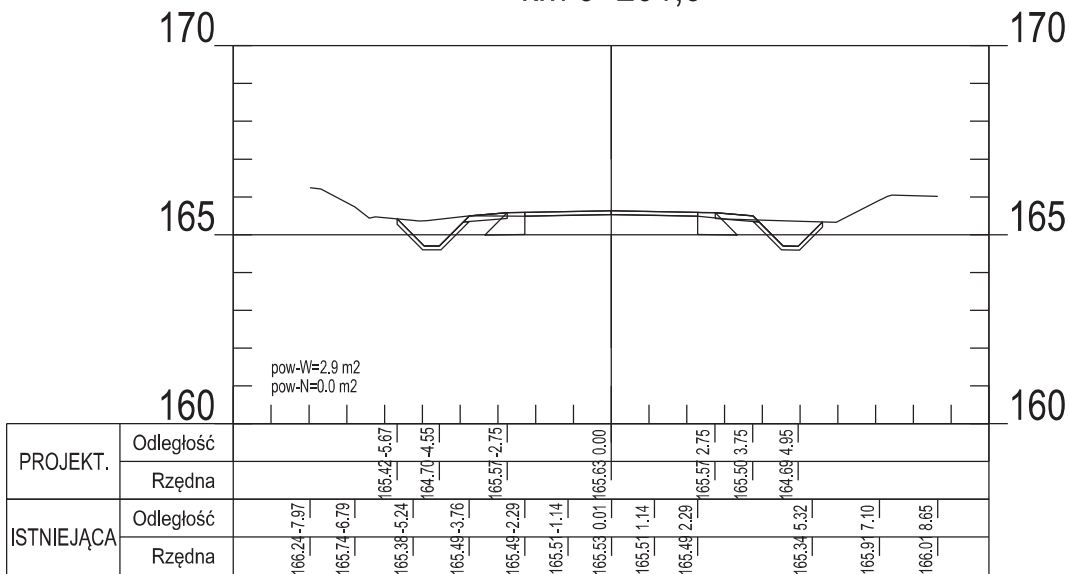
km 8+201,5



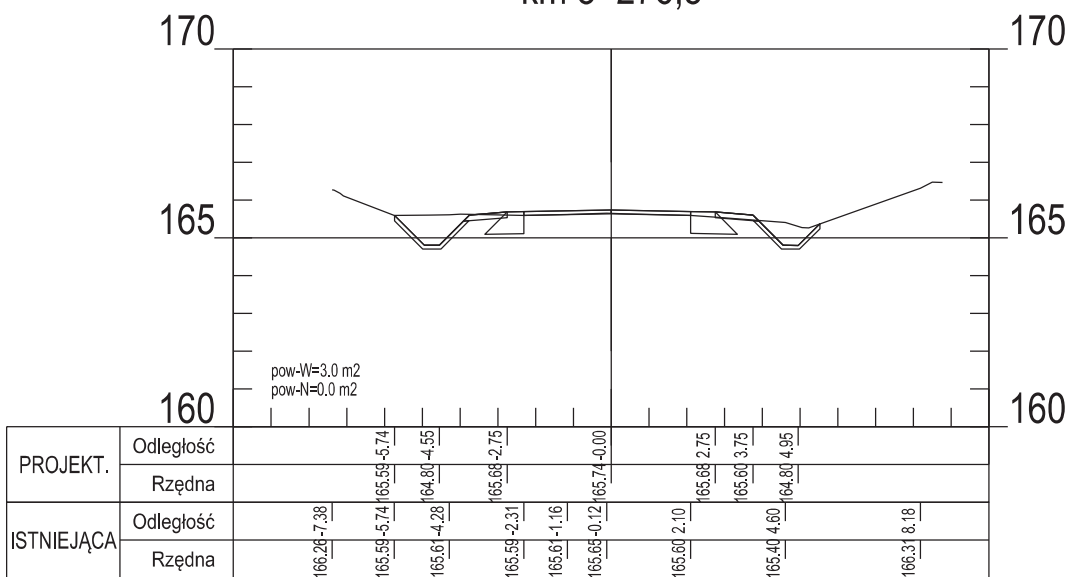
km 8+226,5



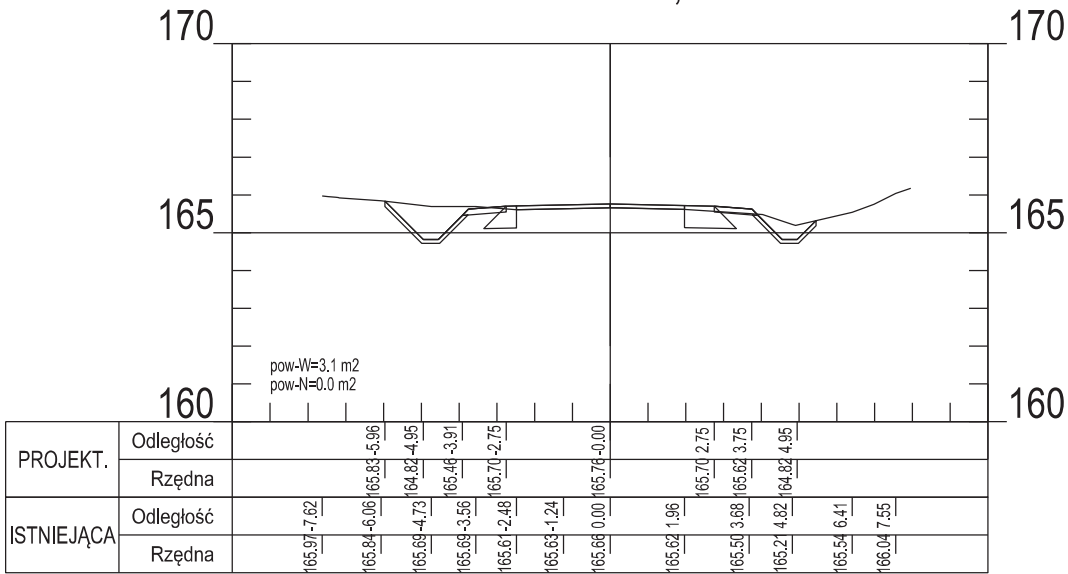
Skala 1:200
km 8+251,5



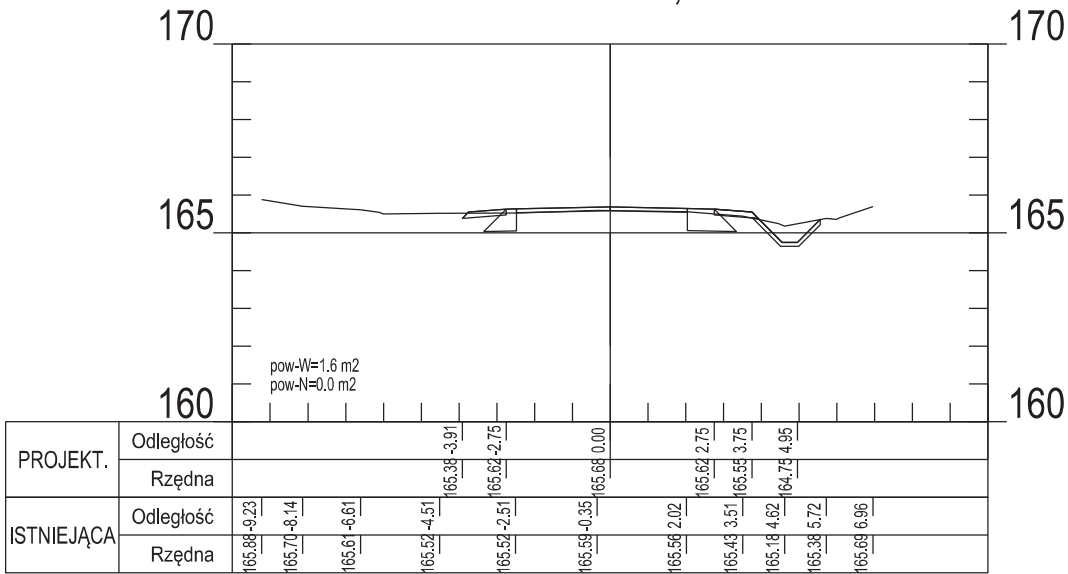
Skala 1:200
km 8+276,5



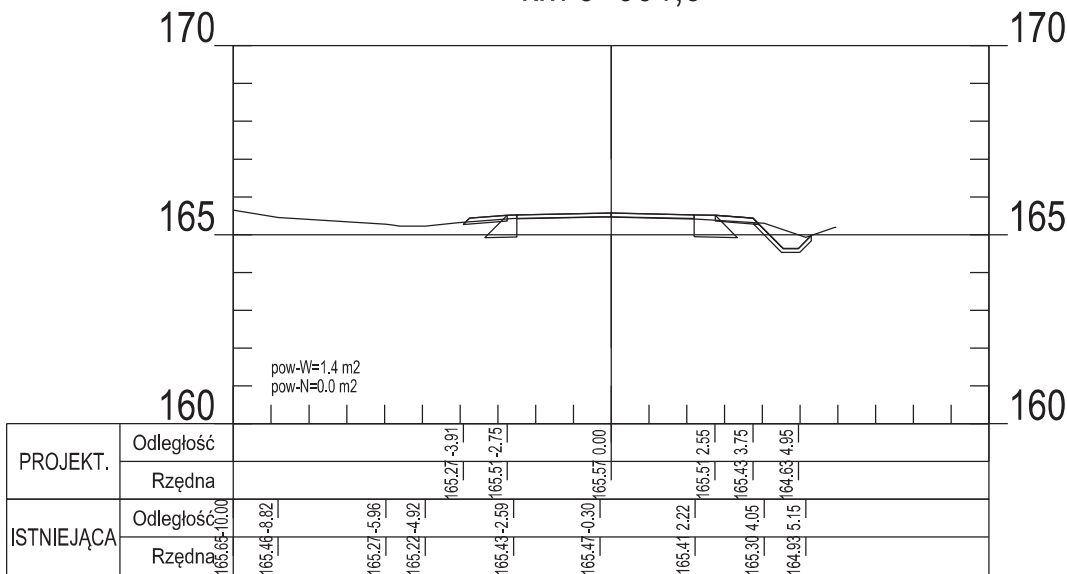
Skala 1:200
km 8+301,5



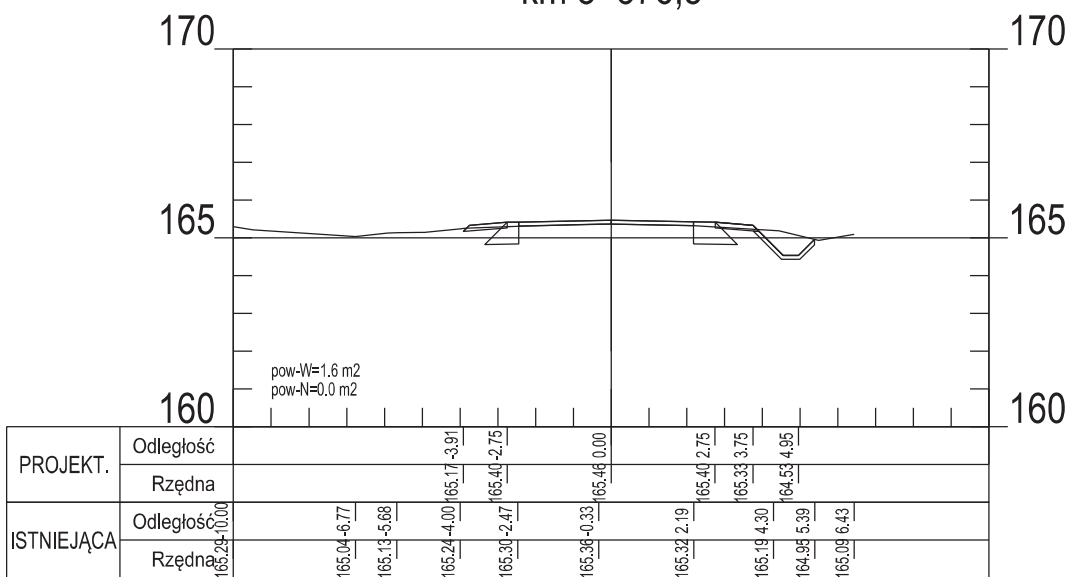
Skala 1:200
km 8+326,5



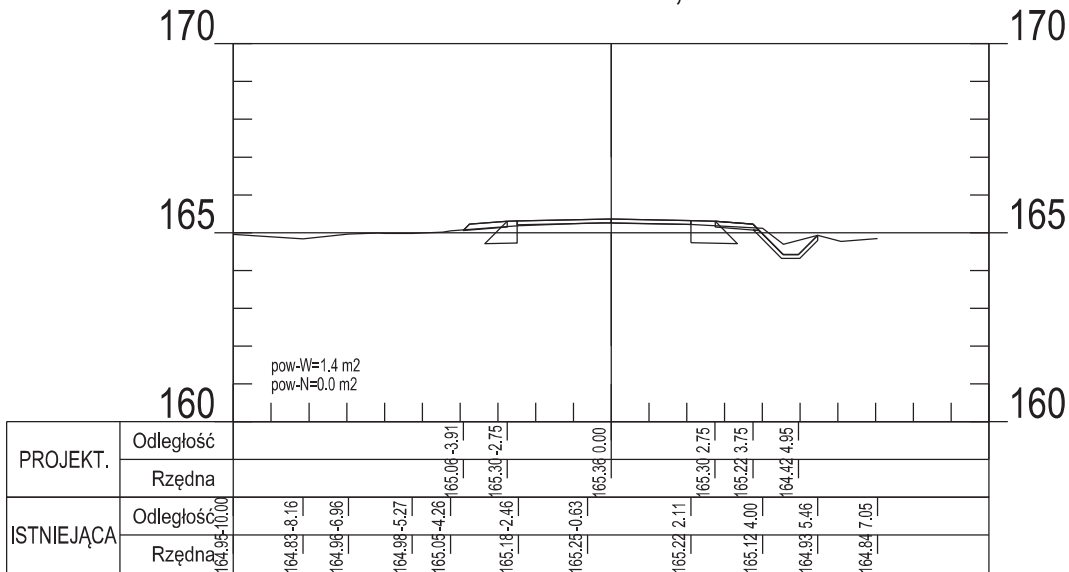
Skala 1:200
km 8+351,5



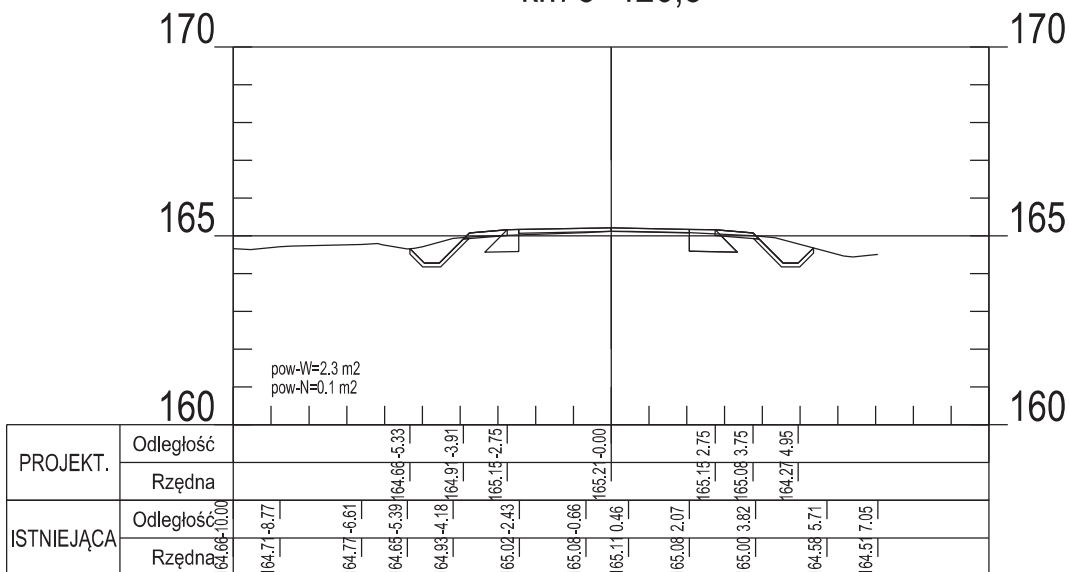
Skala 1:200
km 8+376,5



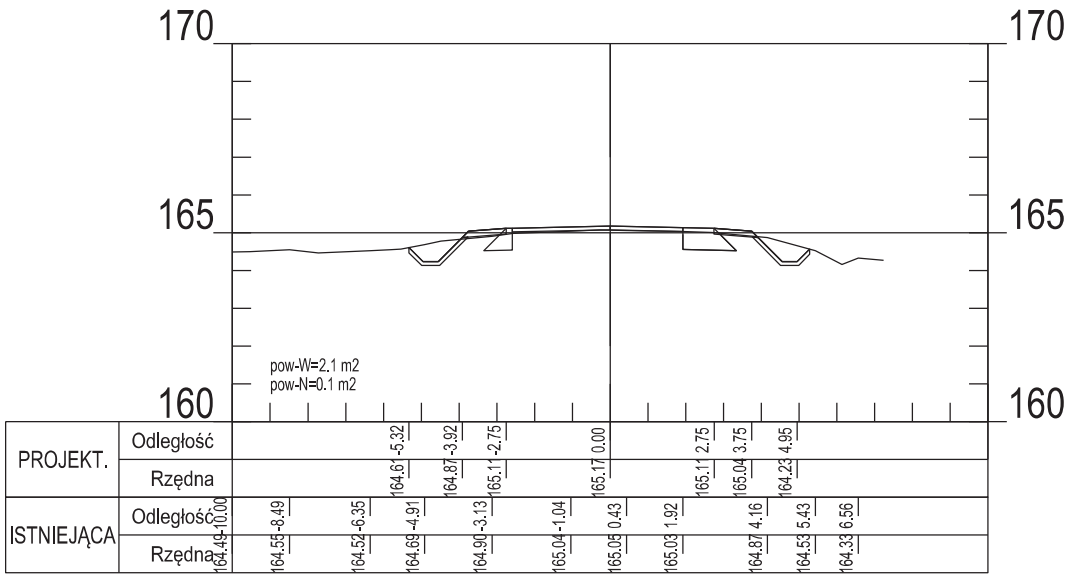
Skala 1:200
km 8+401,5



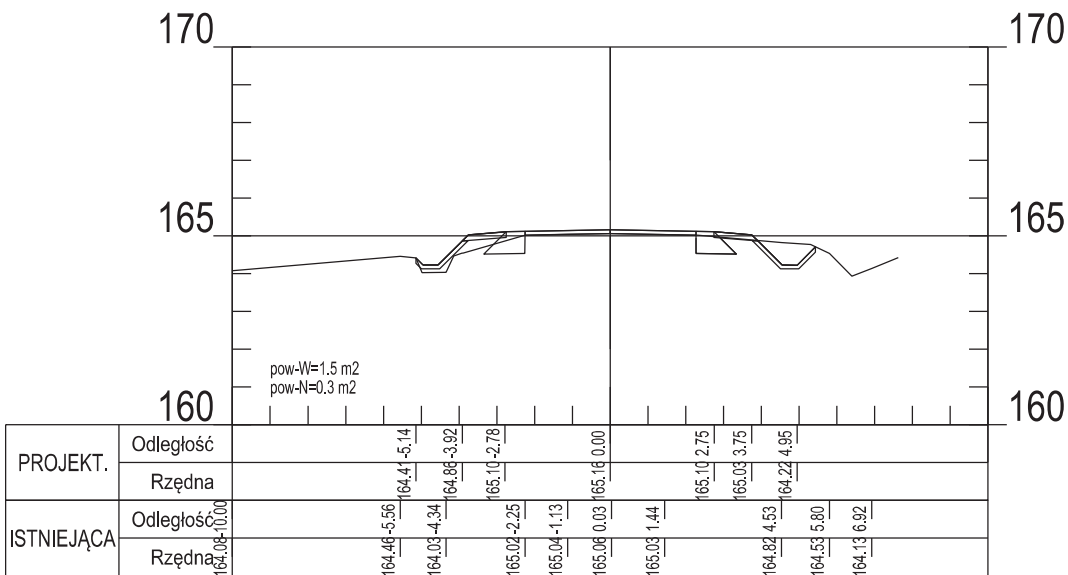
Skala 1:200
km 8+426,5



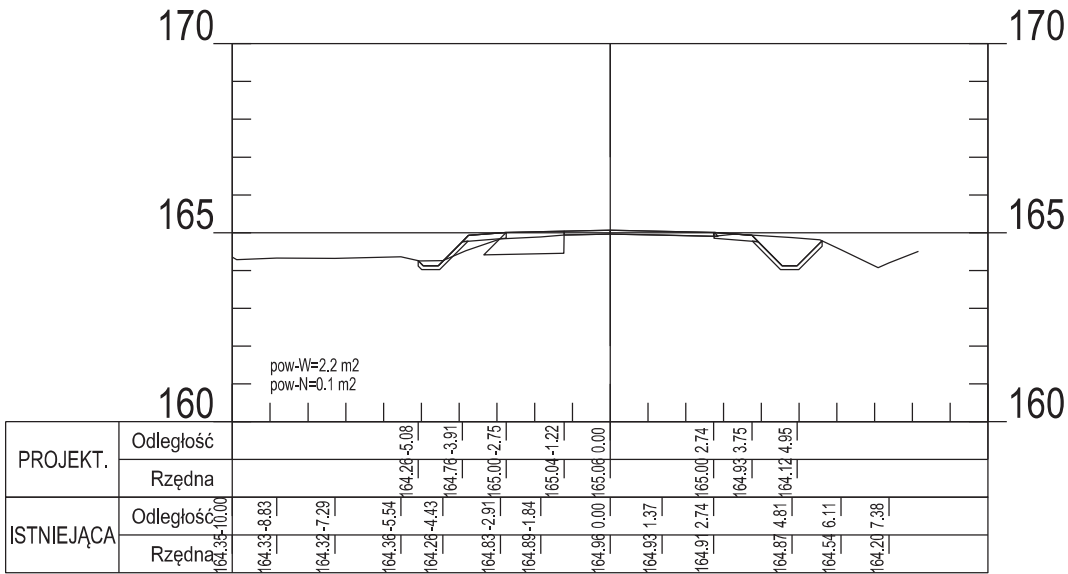
Skala 1:200
km 8+451,5



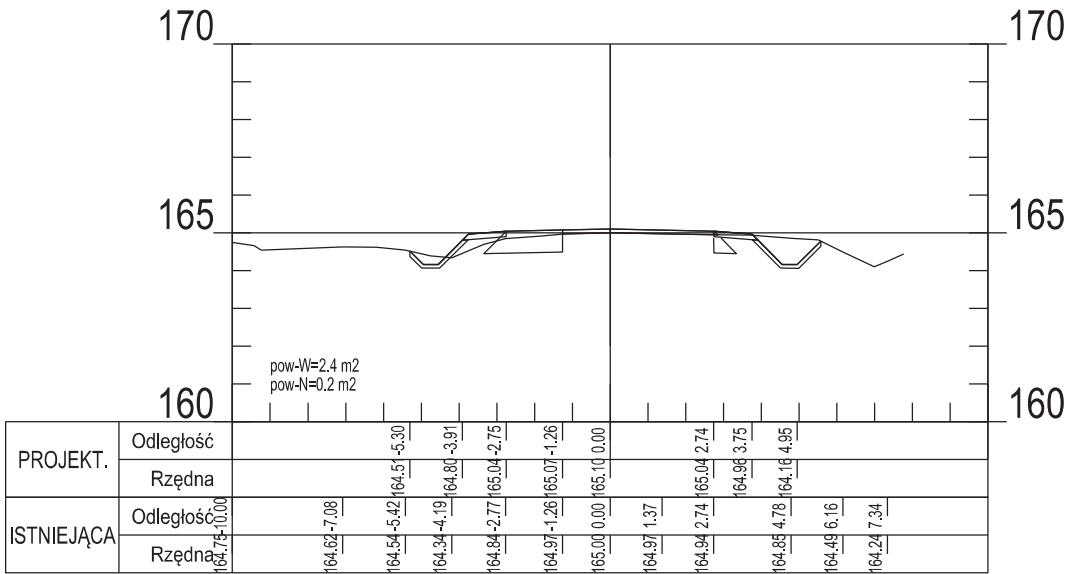
Skala 1:200
km 8+476,5



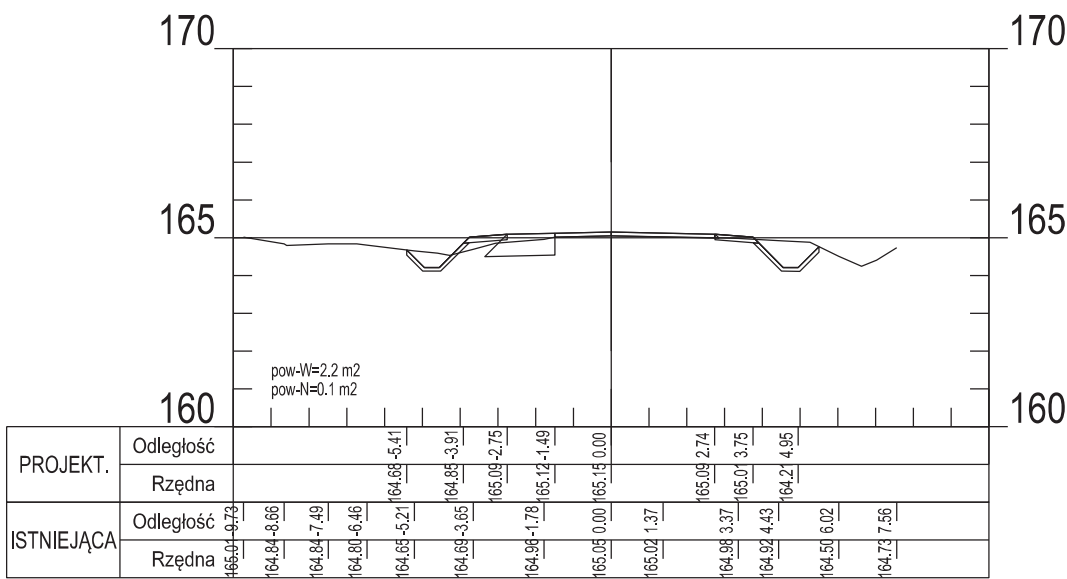
Skala 1:200
km 8+501,5



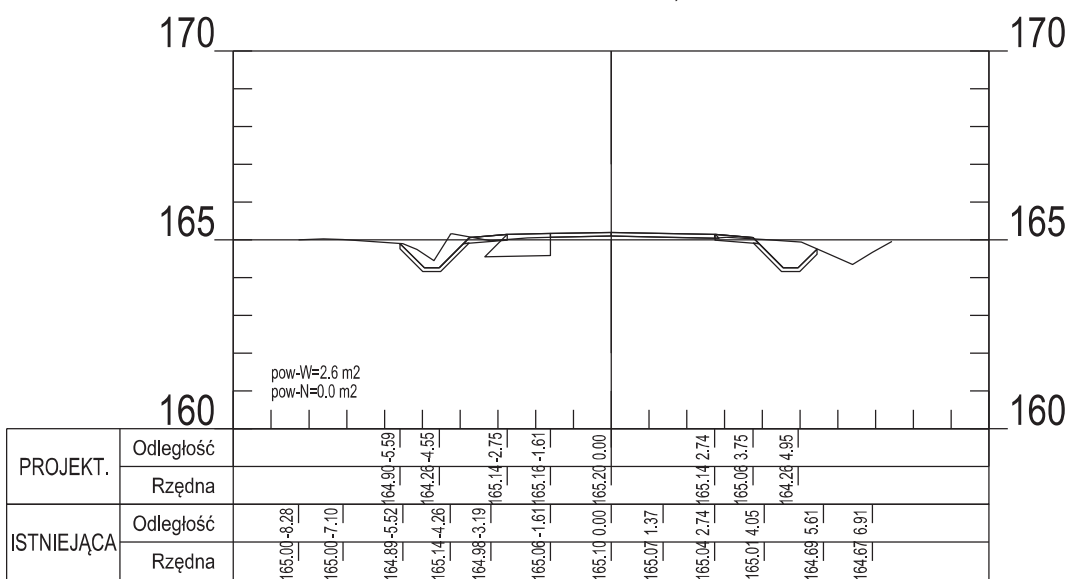
Skala 1:200
km 8+526,5



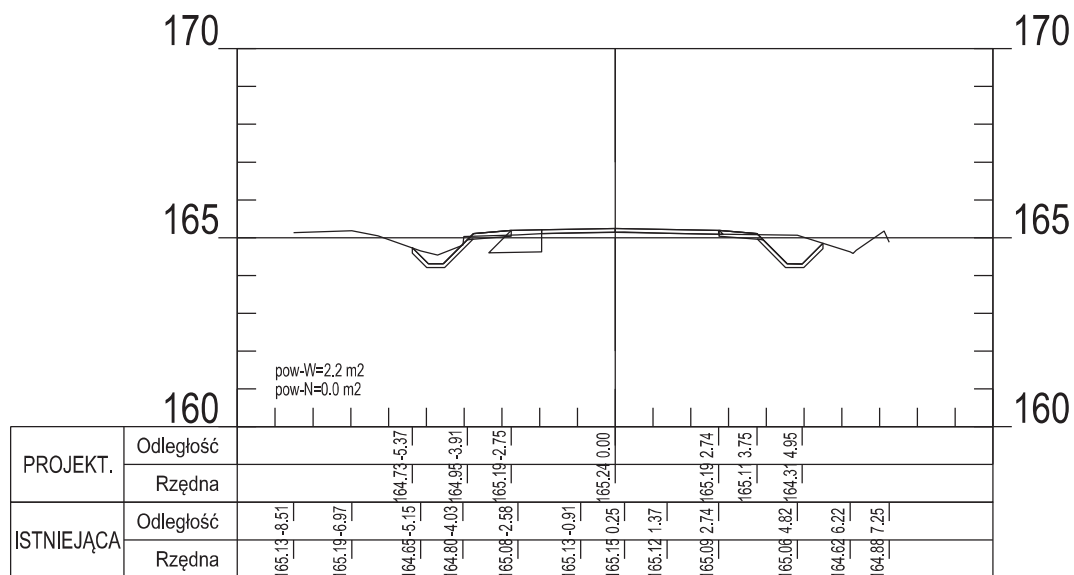
Skala 1:200
km 8+551,5



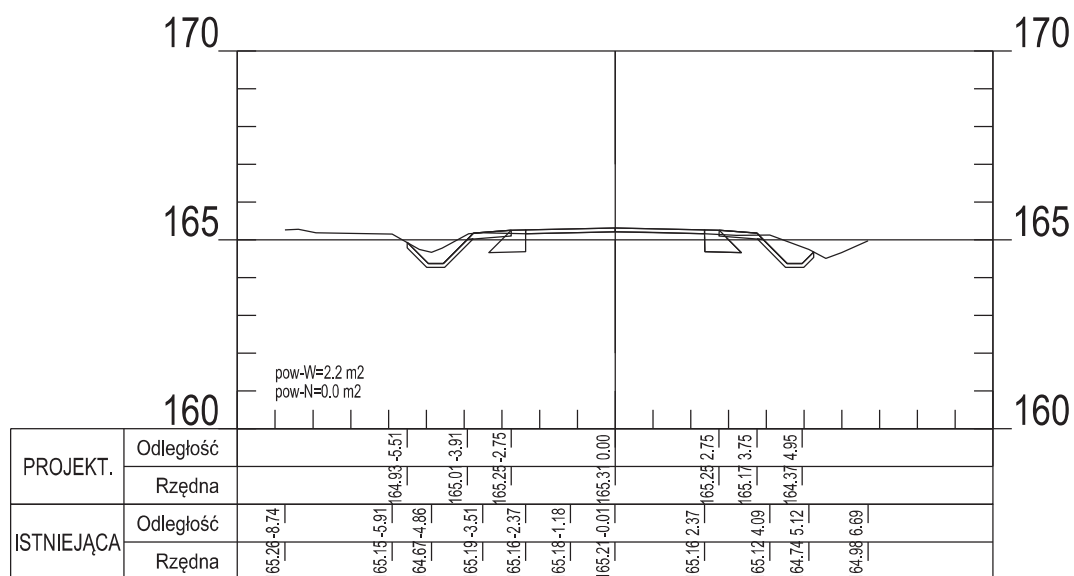
Skala 1:200
km 8+576,5



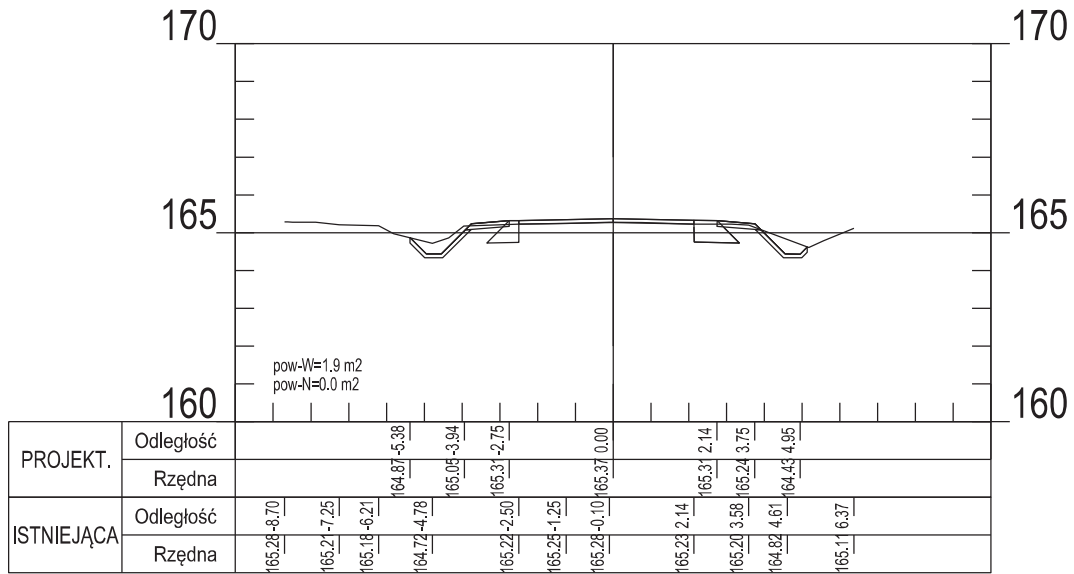
Skala 1:200
km 8+601,5



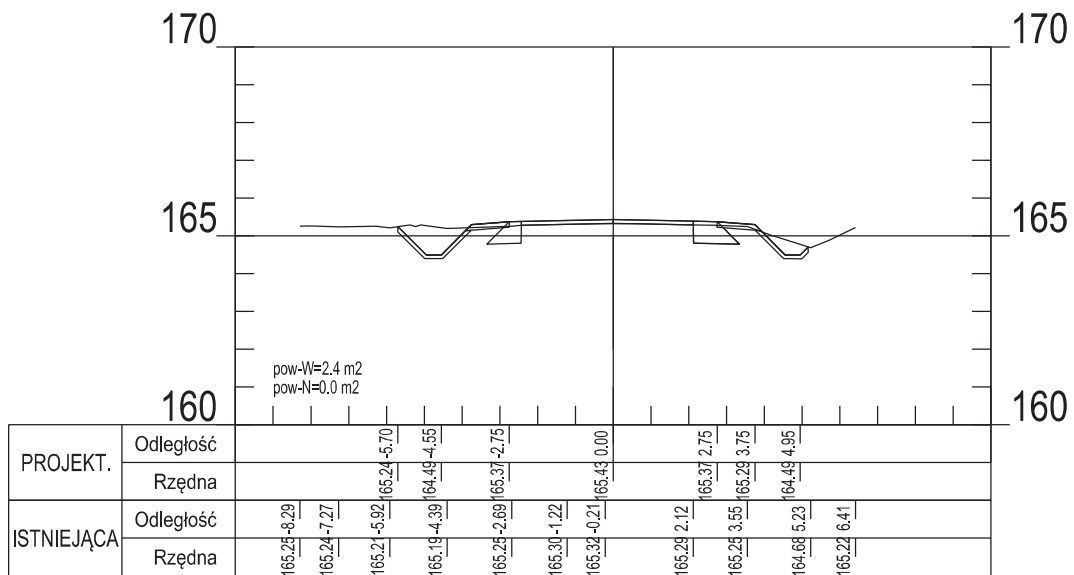
Skala 1:200
km 8+626,5



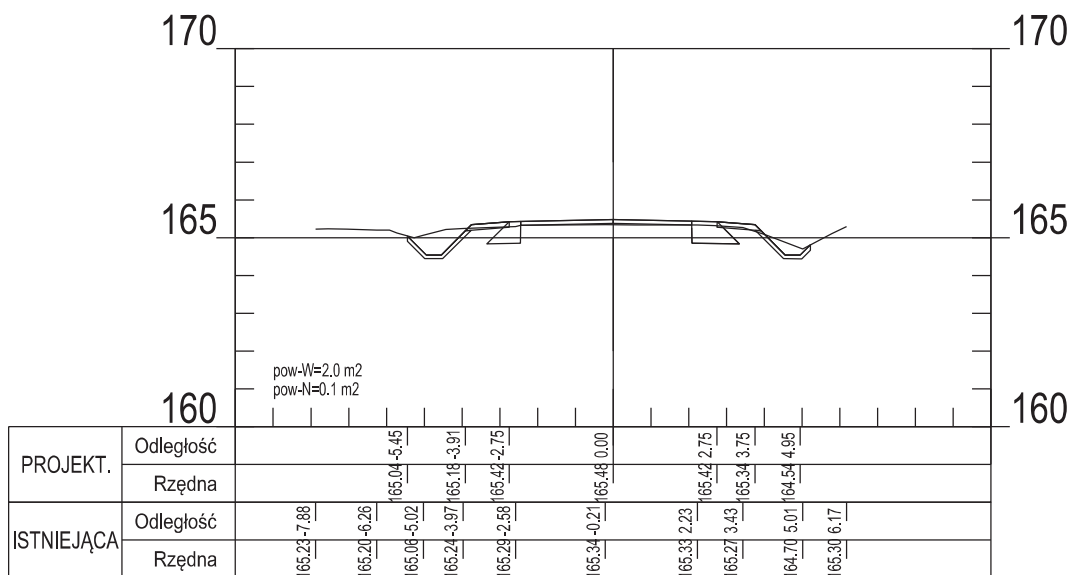
Skala 1:200
km 8+651,5



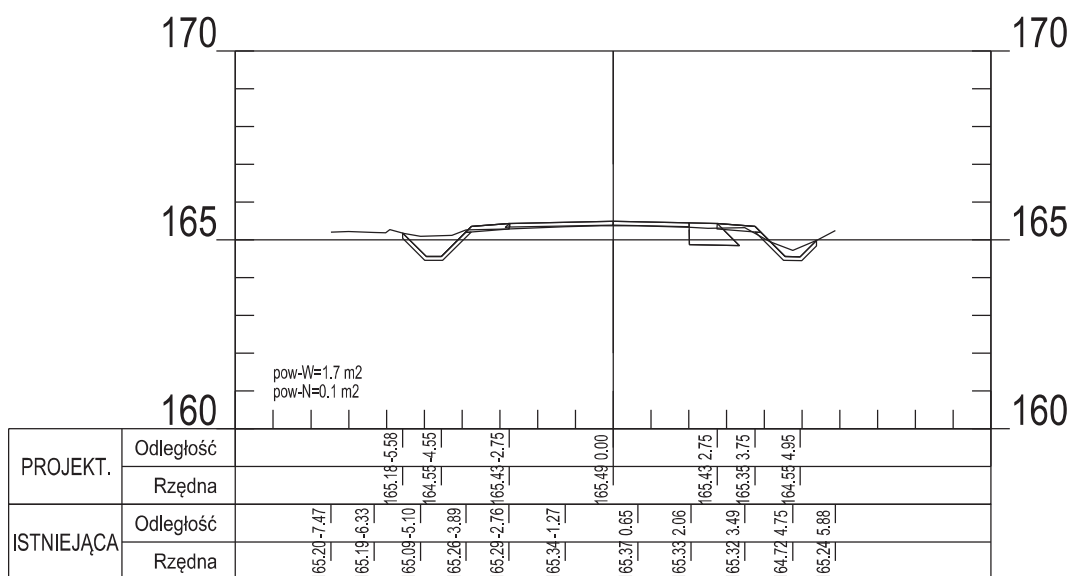
Skala 1:200
km 8+676,5



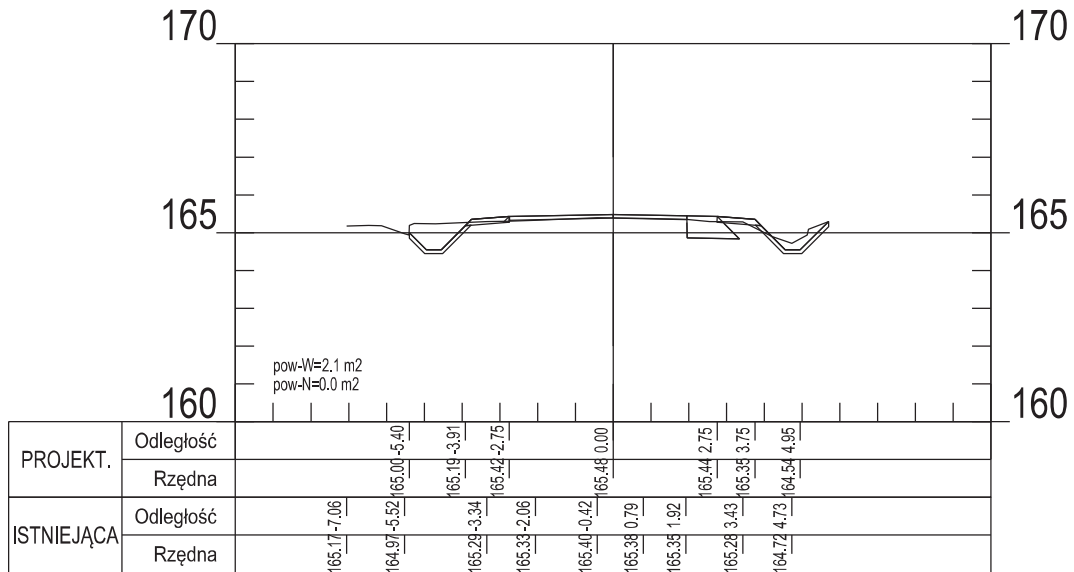
Skala 1:200
km 8+701,5



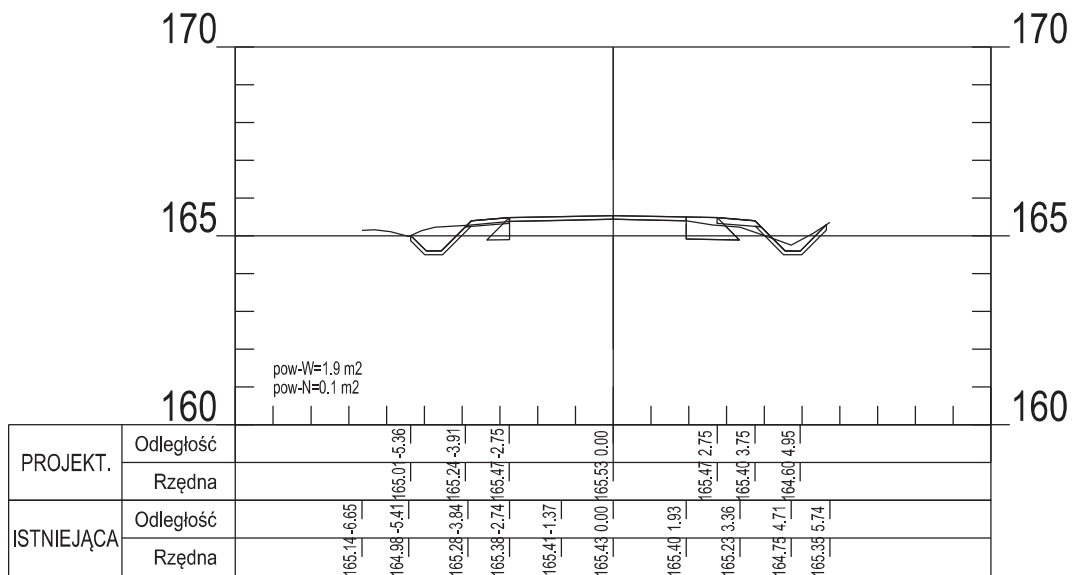
Skala 1:200
km 8+726,5



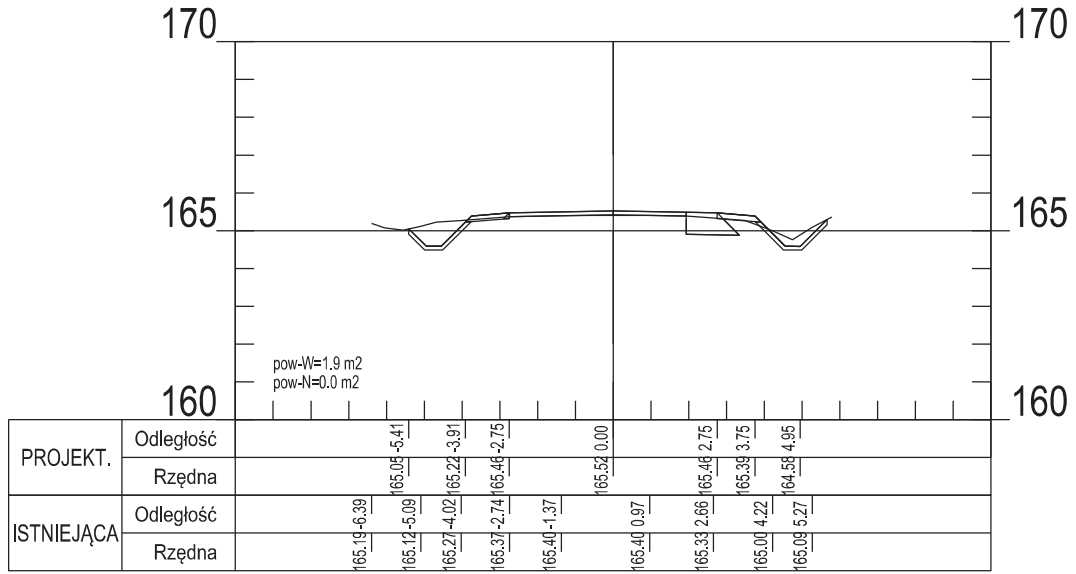
Skala 1:200
km 8+751,5



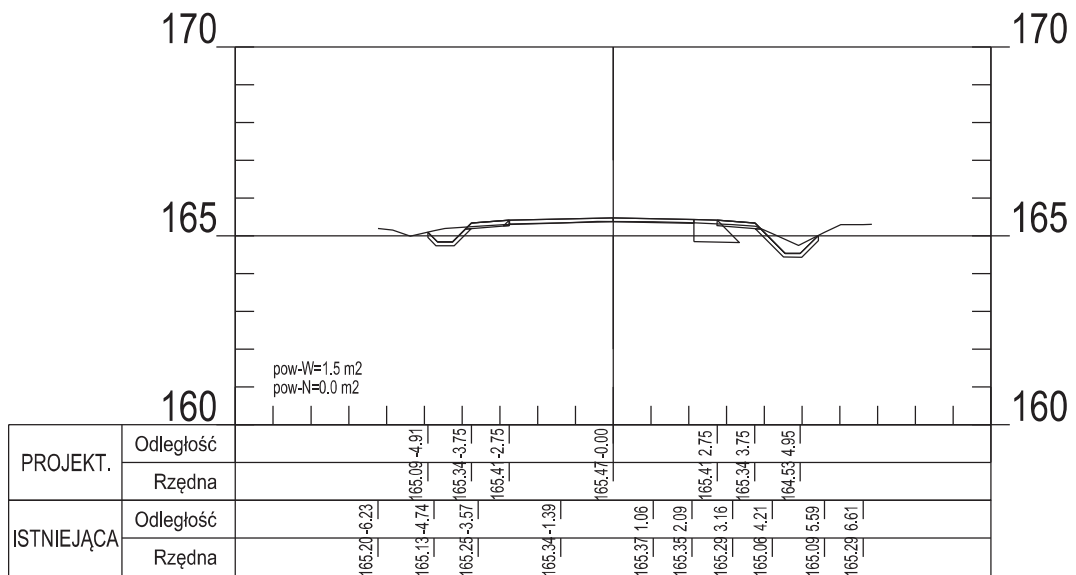
Skala 1:200
km 8+776,5



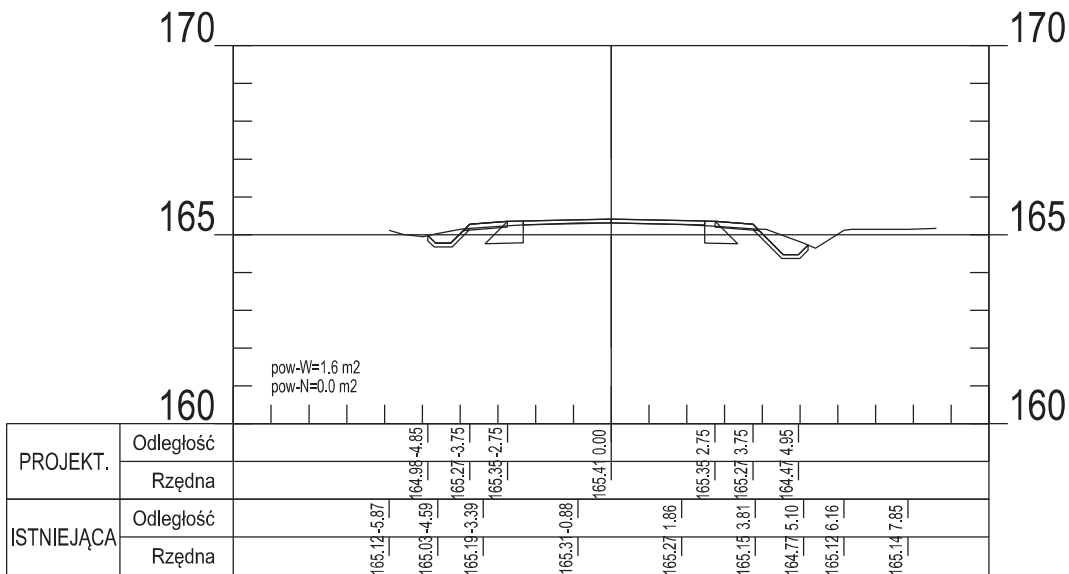
Skala 1:200
km 8+801,5



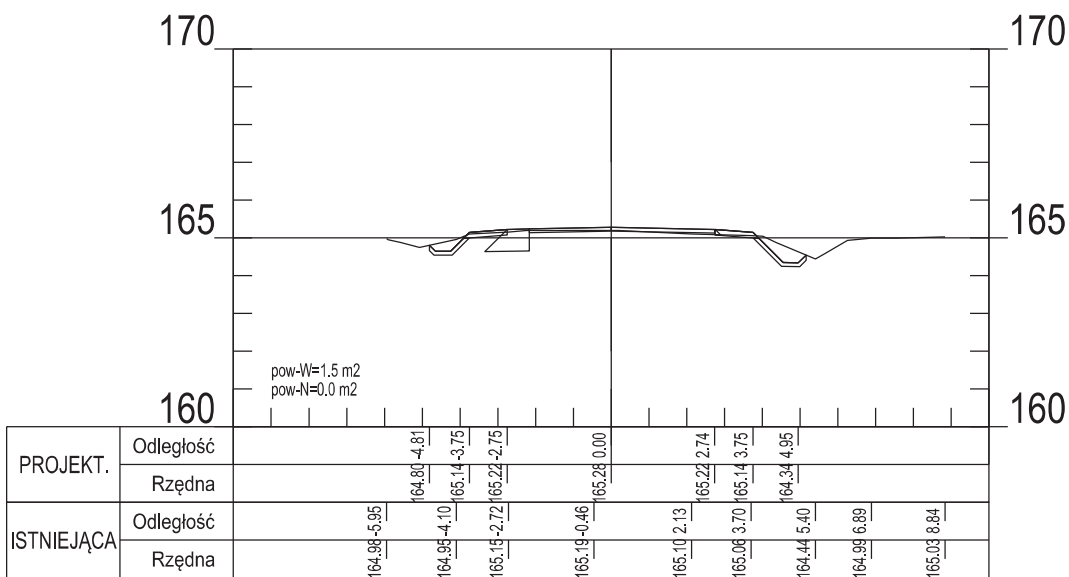
Skala 1:200
km 8+826,5



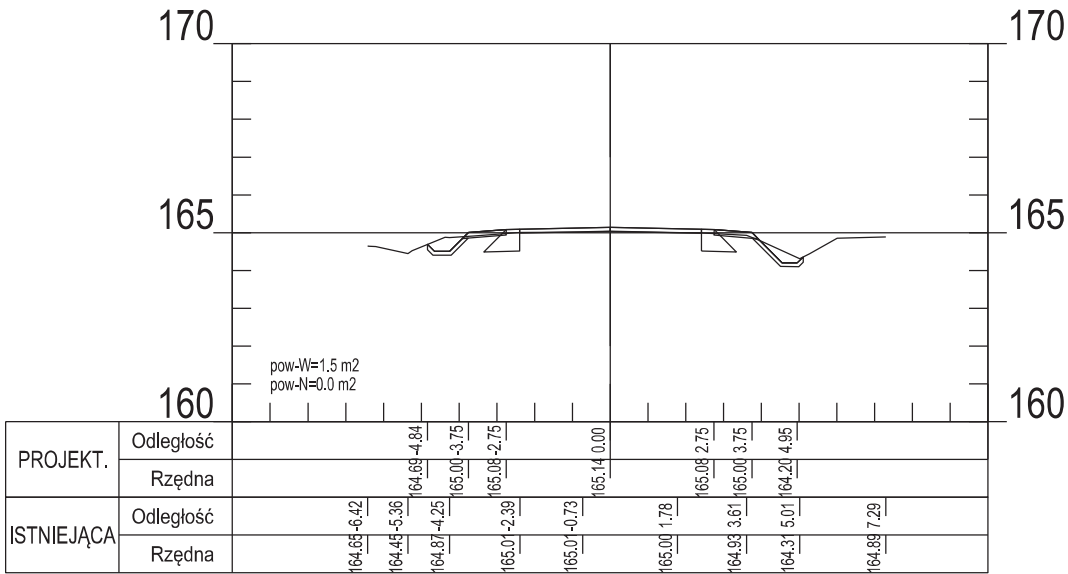
Skala 1:200
km 8+851,5



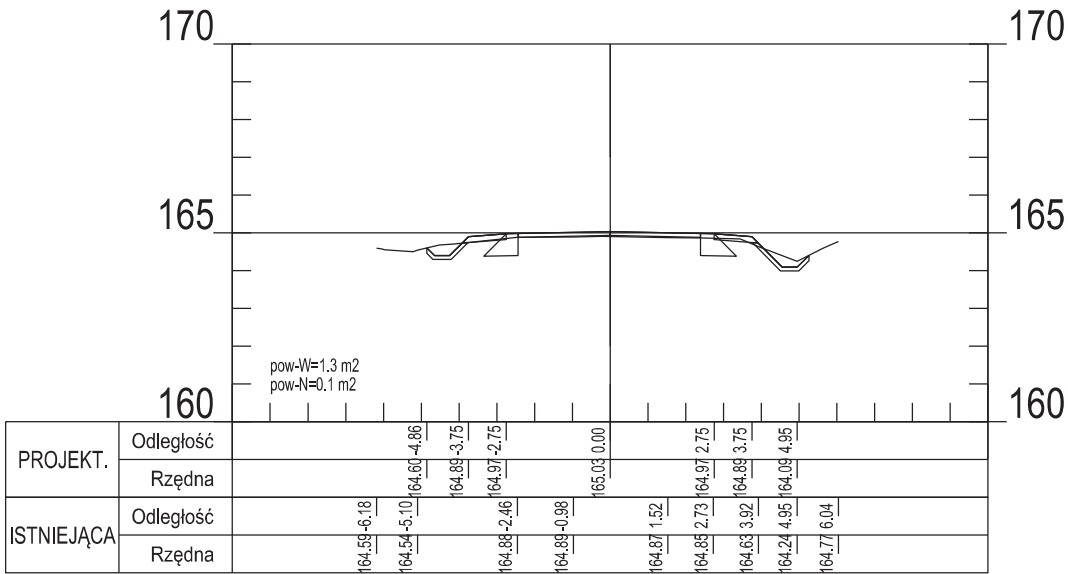
Skala 1:200
km 8+876,5



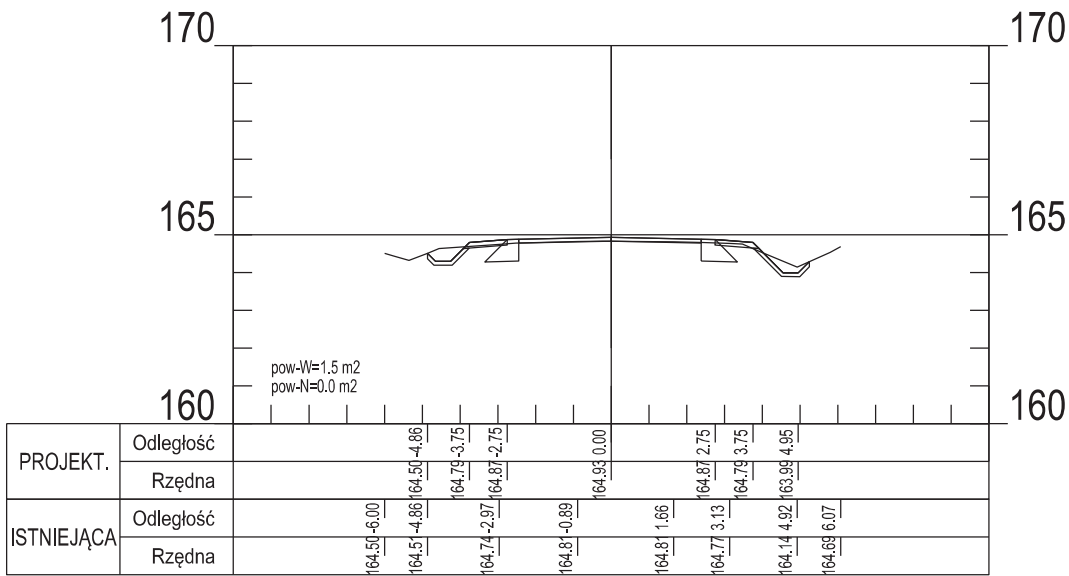
Skala 1:200
km 8+901,5



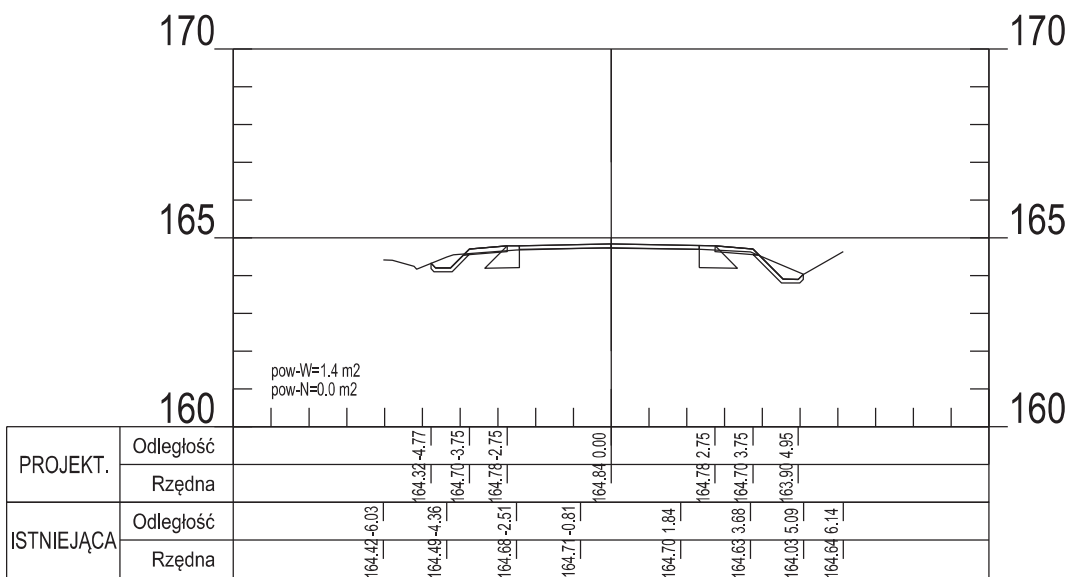
Skala 1:200
km 8+926,5



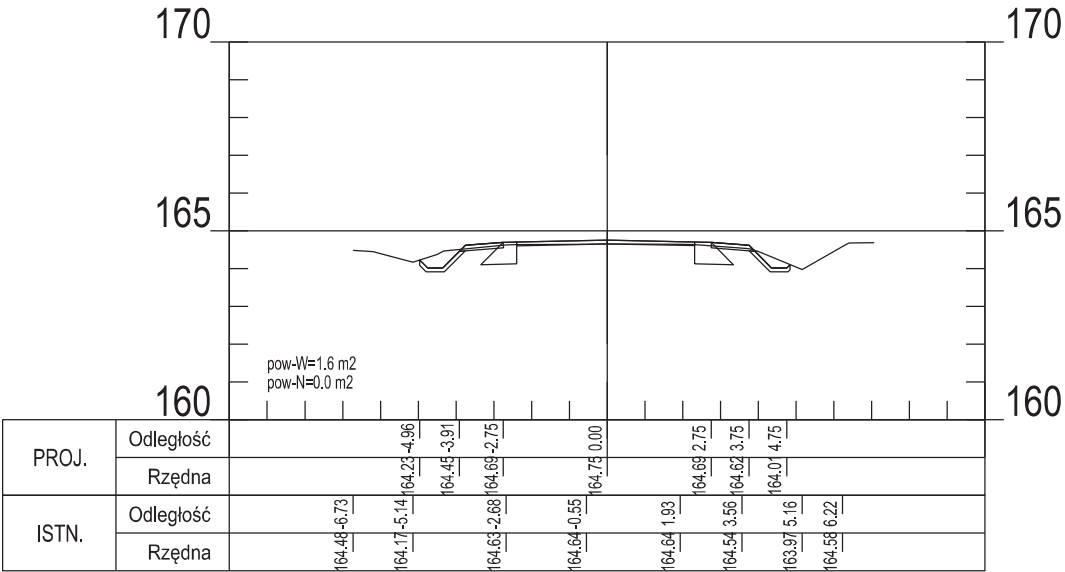
Skala 1:200
km 8+951,5



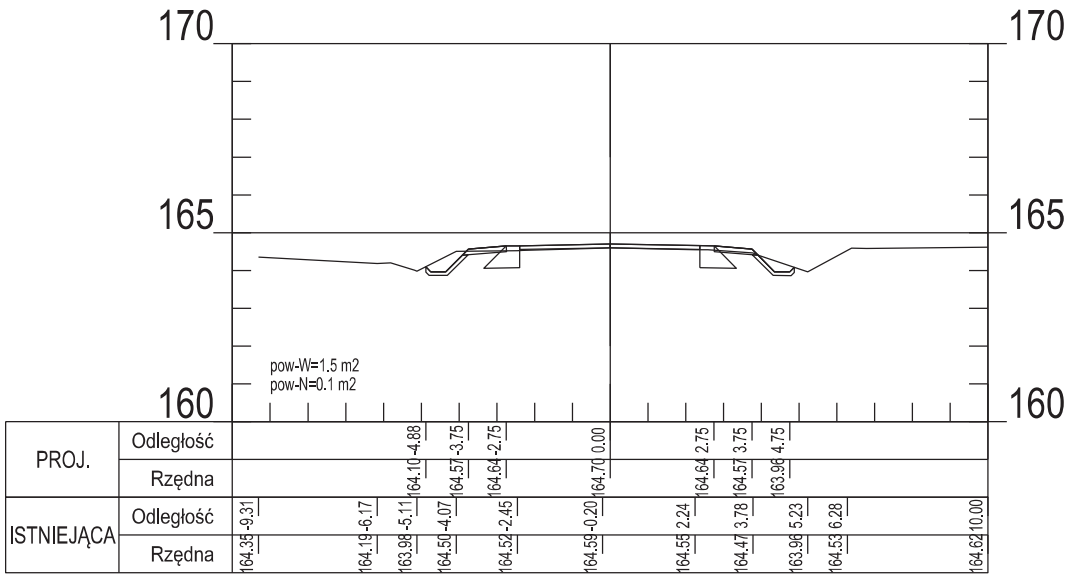
Skala 1:200
km 8+976,5



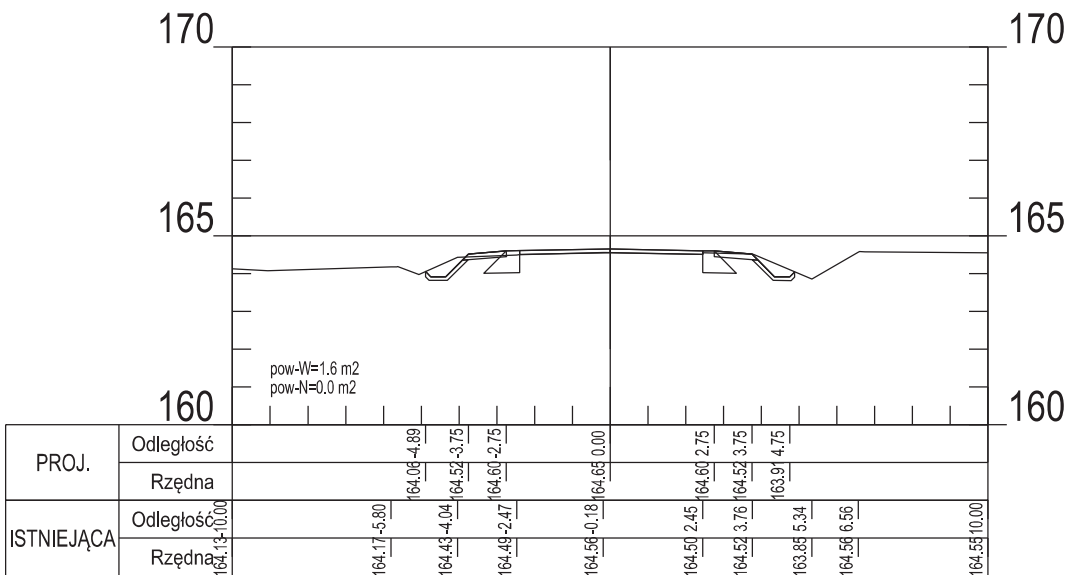
Skala 1:200
km 9+001,5



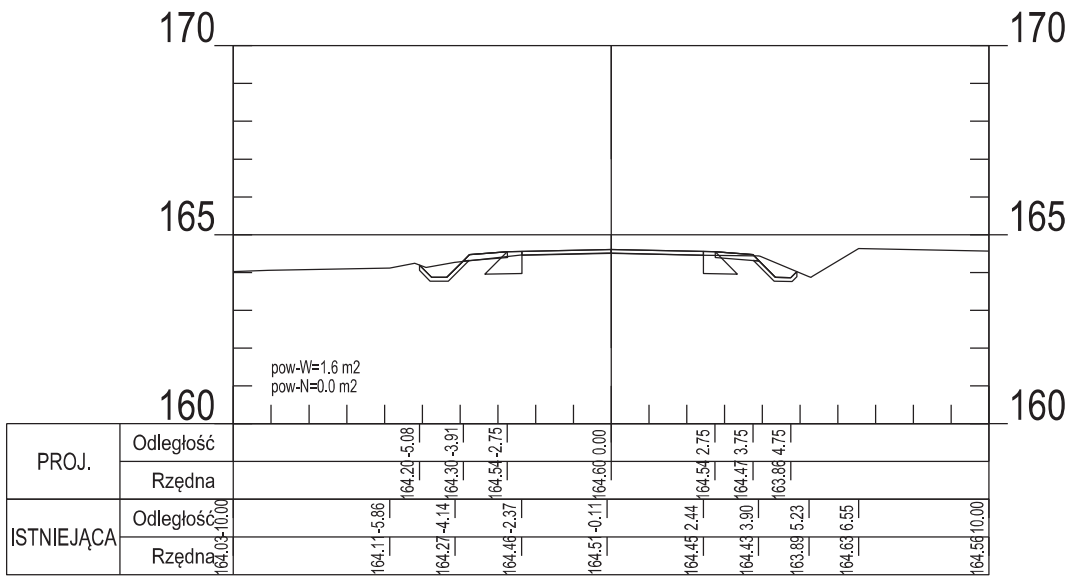
Skala 1:200
km 9+026,5



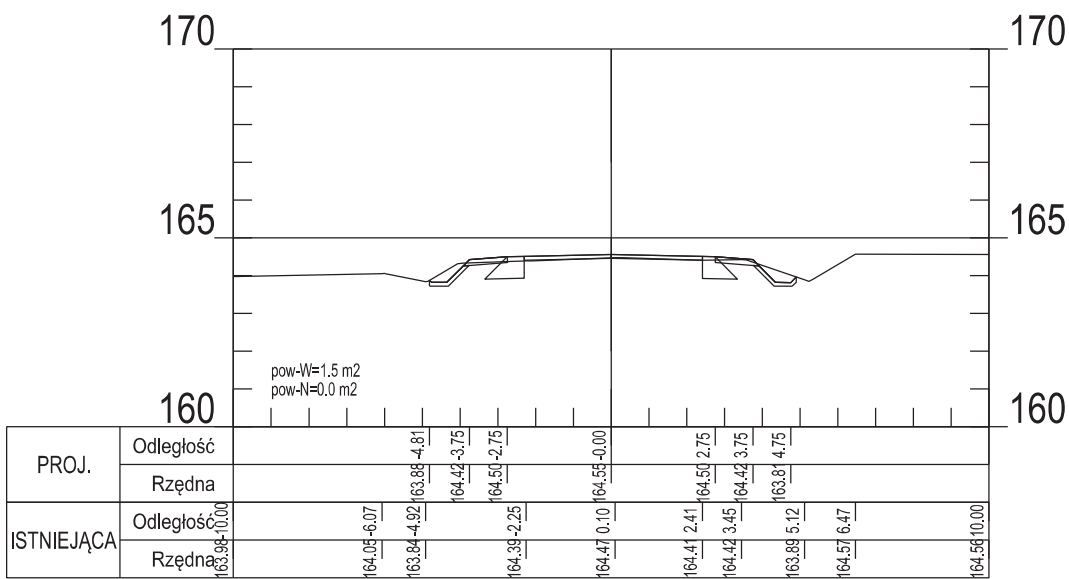
Skala 1:200
km 9+051,5



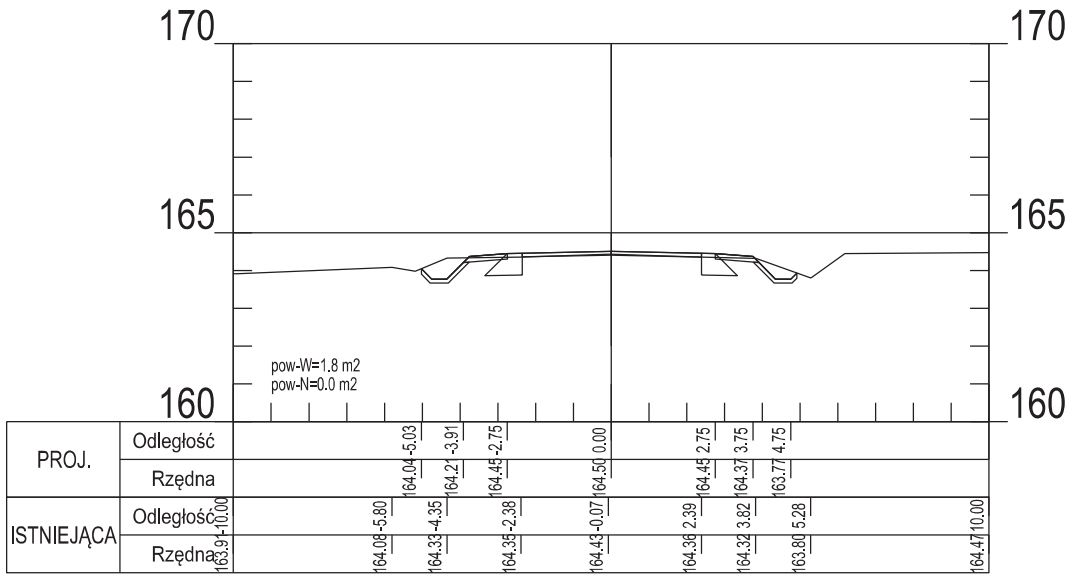
Skala 1:200
km 9+076,5



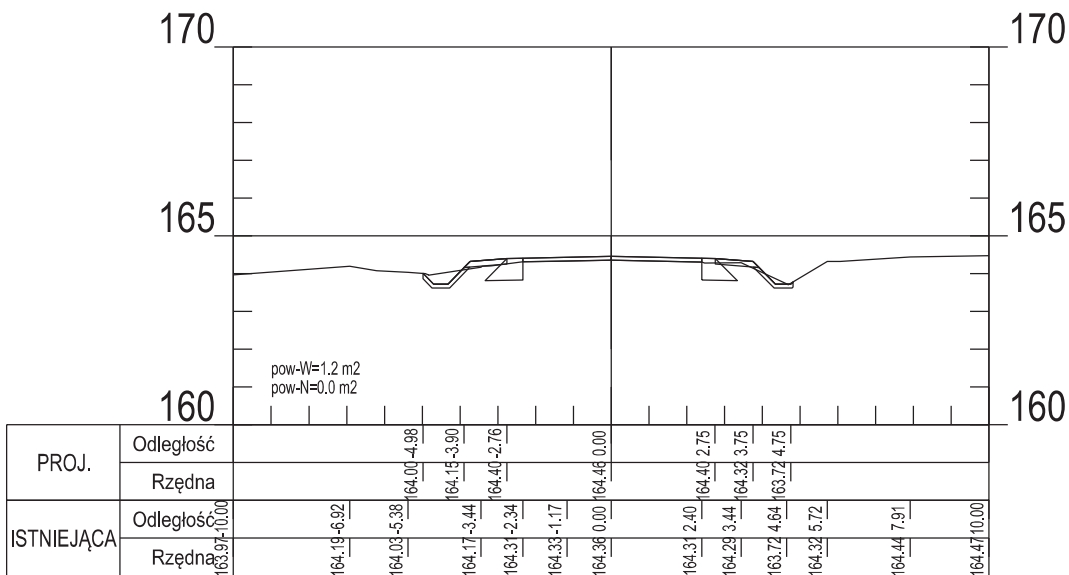
Skala 1:200
km 9+101,5



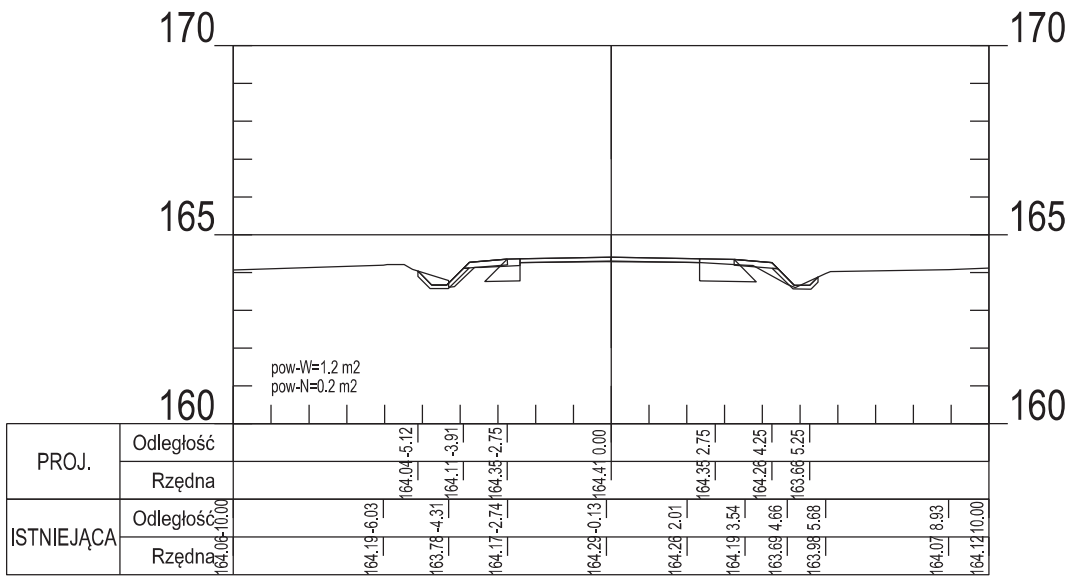
Skala 1:200
km 9+126,5



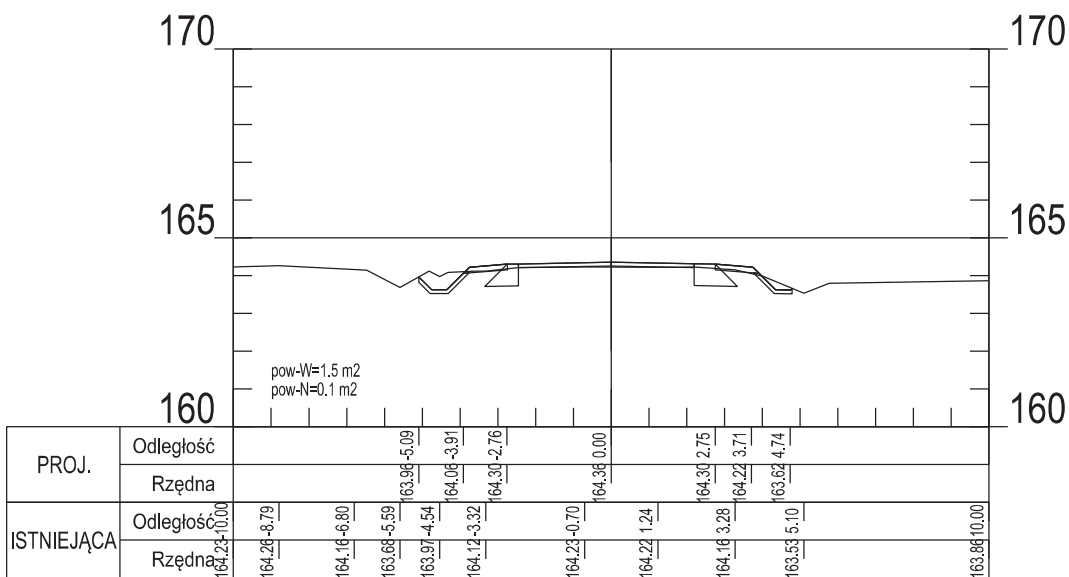
Skala 1:200
km 9+151,5



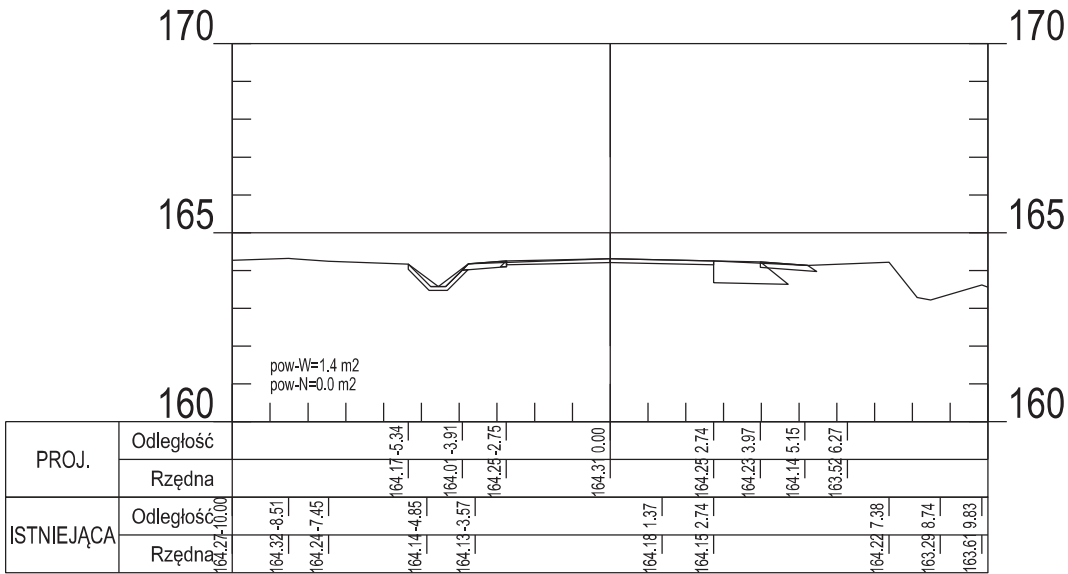
Skala 1:200
km 9+176,5



Skala 1:200
km 9+201,5



Skala 1:200
km 9+226,5



Skala 1:200
km 9+236,5

