Anas SpA

Direzione Centrale Progettazione

ADEGUAMENTO E MESSA IN SICUREZZA DELLA S.S. 131 DAL KM 108+300 AL KM 209+500 – RISOLUZIONE DEI NODI CRITICI 1° E 2° STRALCIO

PROGETTO DEFINITIVO

PROGETTAZIONE: ANAS - DIREZIONE CENTRALE PROGETTAZIONE

PROGETTISTI:

Dott. Ing. CARLO BOSMAN
Ordine Ing. di Roma n. 16449

Dott. Ing. ACHILLE DEVITOFRANCESCHI
Ordine Ing. di Roma n. 19116

Dott. Ing. ENRICO MITTIGA
Ordine Ing. di Roma n. 20228

Dott. Ing. FULVIO MARIA SOCCODATO
Ordine Ing. di Roma n. 18861

IL GEOLOGO
Dott. Geol. STEFANO SERANGELI
Ordine Geol. Lazio n. 659

IL RESPONSABILE DEL S.I.A.
Dott. Ing. GINEVRA BERETTA
Ord. Ing. Prov. RM n. 20458

Dott. Ing. ADRIANA CORCELLI
Ord. Ing. Prov. RM n. 33764

COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE
Dott. Arch. ROBERTO ROGGI
Ordine Architetti Prov. RM n° 10554

VISTO: IL RESP. DEL PROCEDIMENTO
Dott. Ing. ANTONIO SCALAMANDRE'

PROTOCOLLO | DATA

GRUPPO DI PROGETTAZIONE ANAS

Dott.Ing.	*Carlo Bosman*	*– Responsabile di progetto*
Dott.Ing.	*Gabriele Giovannini*	*– Cartografia*
Dott.Geol.	*Giuseppe Cardillo*	*– Ambiente*
Dott.Ing.	*Adriana Corcelli*	*– Ambiente*
Dott.Geol.	*Stefano Serangeli*	*– Geologia*
Dott.Ing.	*Enrico Mittiga*	*– Geotecnica*
Dott.Ing.	*Attilio Petrillo*	*– Idraulica*
Dott.Ing.	*Gianfranco Fusani*	*– Strade*
Dott.Ing.	*Francesco Primieri*	*– Strade*
Geom.	*Claudio D'Arcangelo*	*– Strade*
Dott.Ing.	*Alessandro Piccarreta*	*– Opere civili*
Geom.	*Carmelo Zema*	*– Espropri*
Dott.Ing.	*Pierluigi Fabbro*	*– Interferenze*
Dott.Ing.	*Francesco Bezzi*	*– Impianti*
Geom.	*Stefano De Masi*	*– Computi e capitolati*
Geom.	*Marco Spinucci*	*– Sicurezza*
Dott.Arch.	*Roberto Roggi*	*– Sicurezza*

RESPONSABILI DI SERVIZI INGEGNERIA

Dott.Ing.	*F.M. SOCCODATO*	*– Territorio*
Dott.Ing.	*A. MICHELI*	*– Geotecnica e Impianti*
Dott.Ing.	*A. DEVITOFRANCESCHI*	*– Opere Civili*
Geom.	*F. QUONDAM*	*– Computi, Stime e capitolati*
Geol.	*S. MAJETTA*	

PROGETTO STRADALE

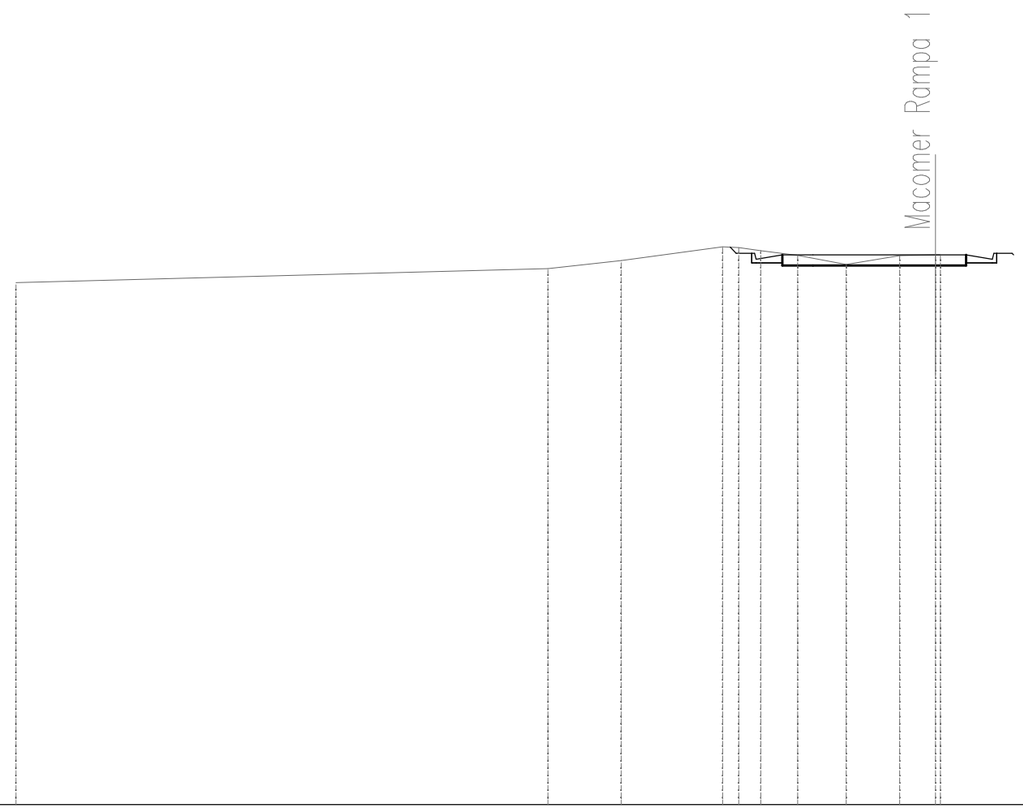
ADEGUAMENTO SVINCOLI ESISTENTI

Svincolo di Macomer al km 142+500 – Sezioni trasversali

CODICE PROGETTO			NOME FILE	REVISIONE	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	V13PS00TRASZ01_A		
DPCA09	D	1401	CODICE ELAB. V13PS00TRASZ01	A	1:200

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
D					
C					
B					
A	EMISSIONE	FEB. 2015	Ing. F. Primieri	Ing. G. Fusani	Ing. F. M. Soccodato

SEZIONE N. : 1
QT. PROGETTO : 498.445
DIST.PROG. : 0+000.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 480.521

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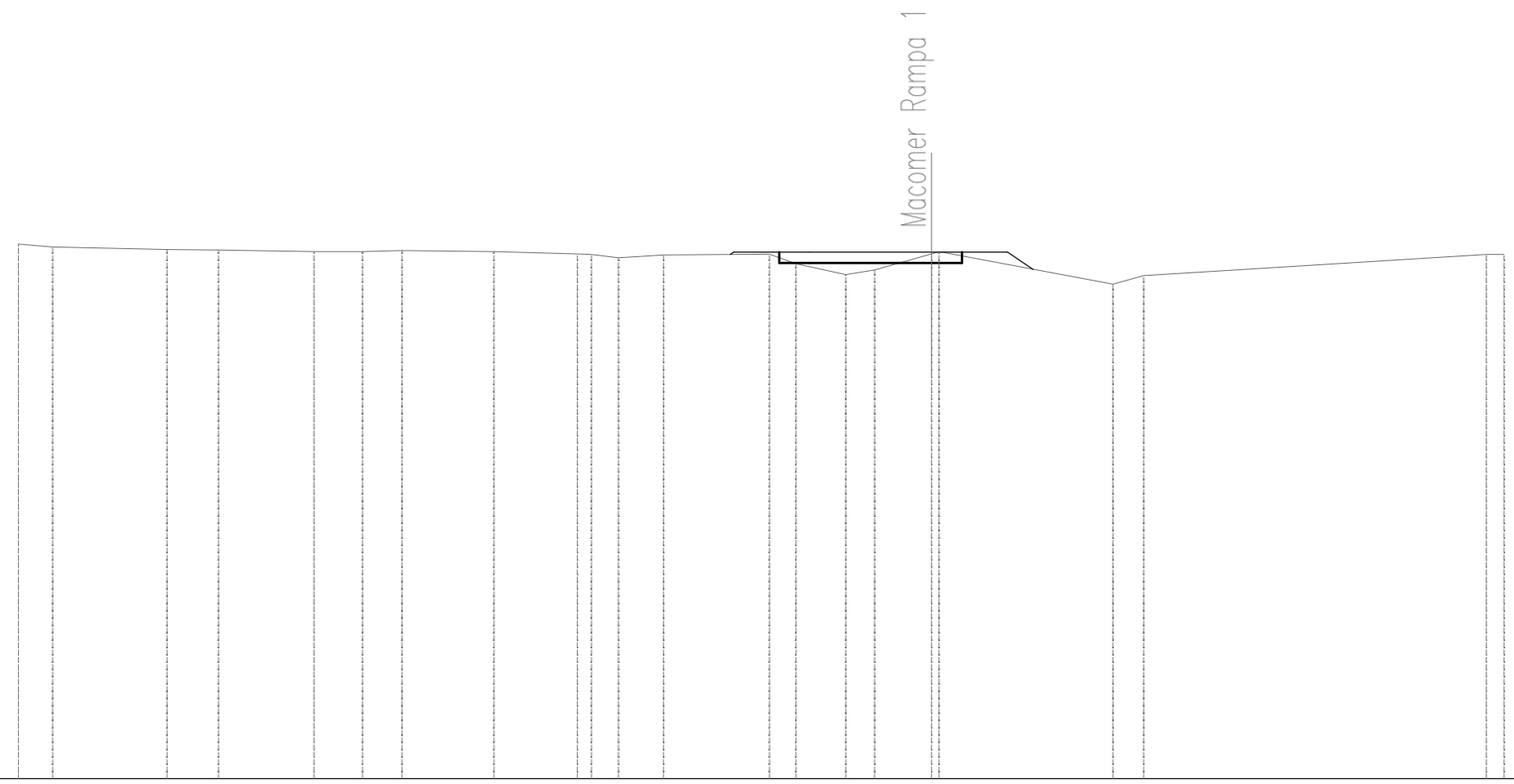
SEZIONE N. : 2
QT. PROGETTO : 499.365
DIST.PROG. : 0+025.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

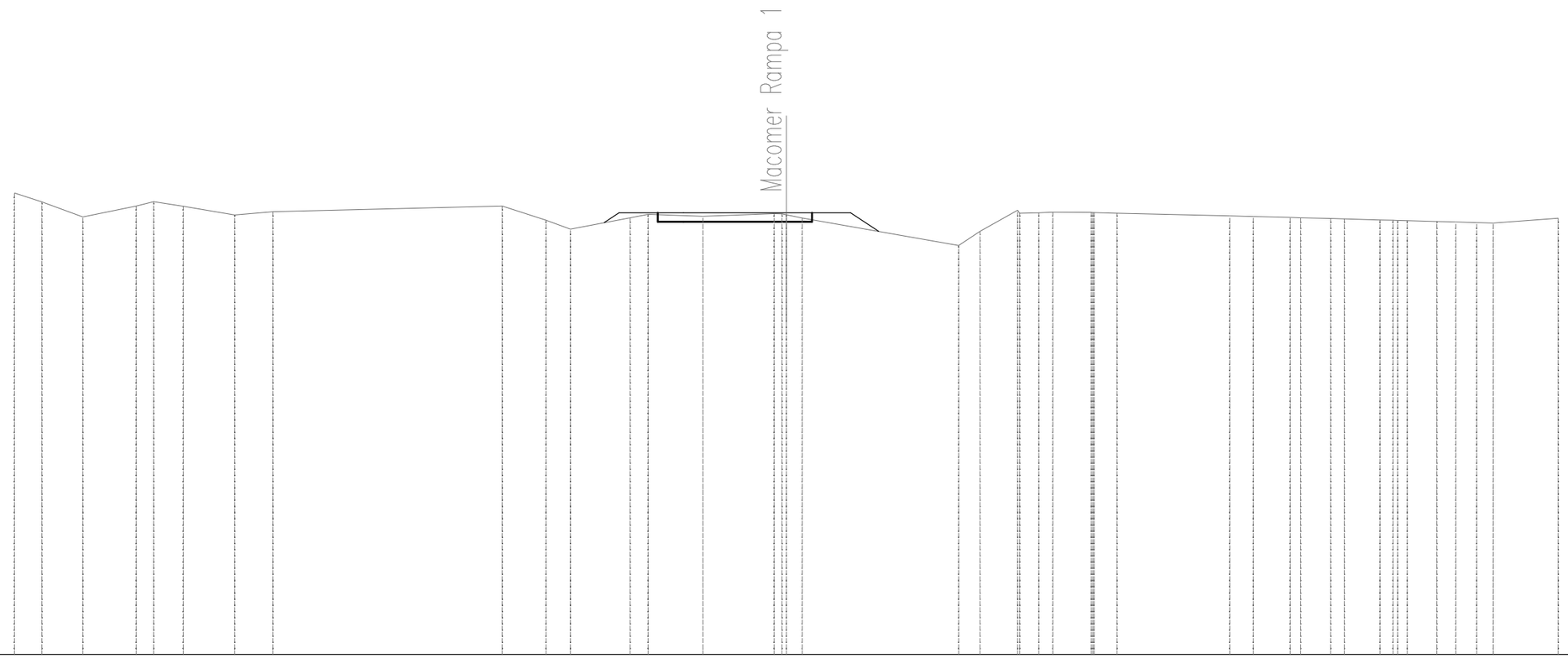


SCALA 1:200

QT.RIF. 482.074

QUOTE TERRENO	499.63	499.53		499.45	499.44		499.39	499.39	499.42		499.38	499.31	499.29	499.18	499.27		499.30	498.99	498.63	498.79	499.31	499.38		498.32	498.60		499.30	499.30
DIST.PARZIALI TERRENO		1.12	3.76	1.70	3.13		1.59	1.30	3.03		2.73		0.89	1.48	3.48			0.88	1.63	0.95	1.87		5.71		1.01	11.26		0.58
QUOTE PROGETTO																	499.37	499.37				499.37	499.37					
DIST.PARZIALI PROGETTO																		1.00	4.00			1.00						

SEZIONE N. : 3
QT. PROGETTO : 499.790
DIST.PROG. : 0+050.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 482.636

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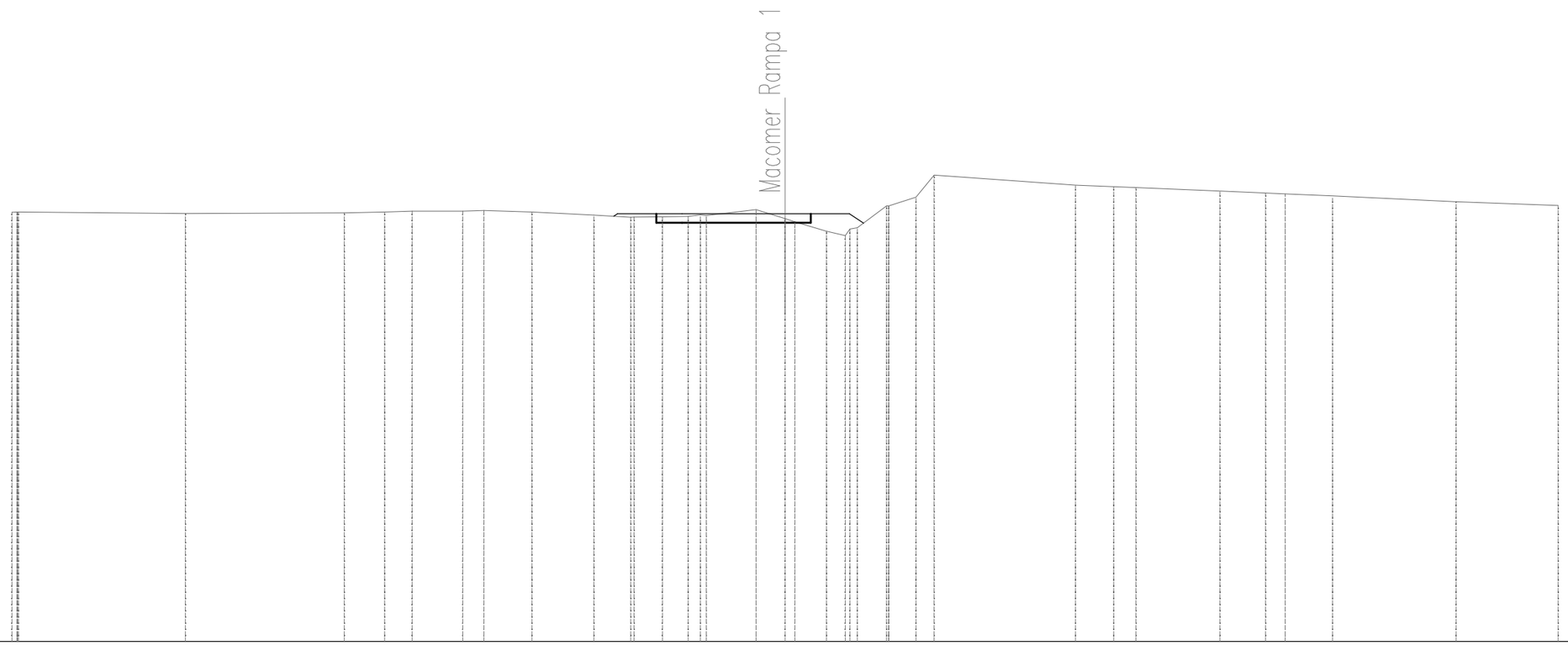
SEZIONE N. : 4
QT. PROGETTO : 499.694
DIST.PROG. : 0+075.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 483.120

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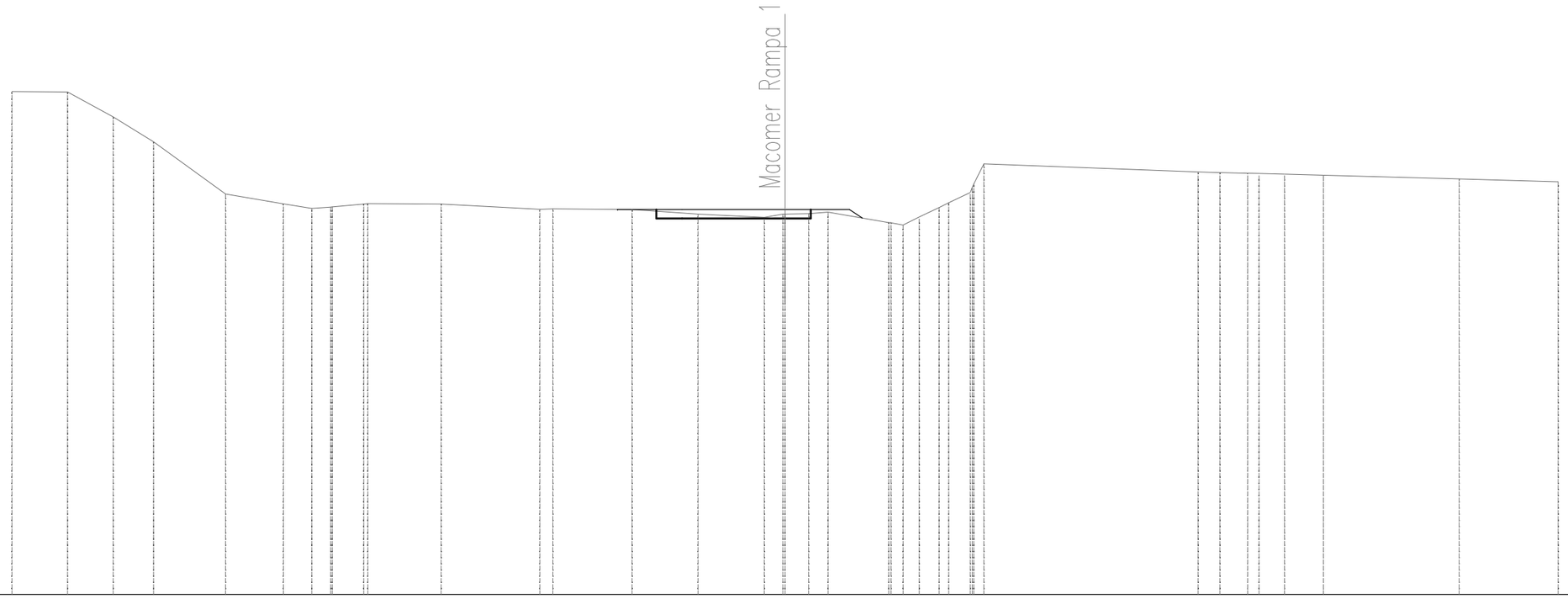
SEZIONE N. : 5
QT. PROGETTO : 499.337
DIST.PROG. : 0+100.000
DIST.PREC. : 25.000
DIST.SUCC. : 22.125

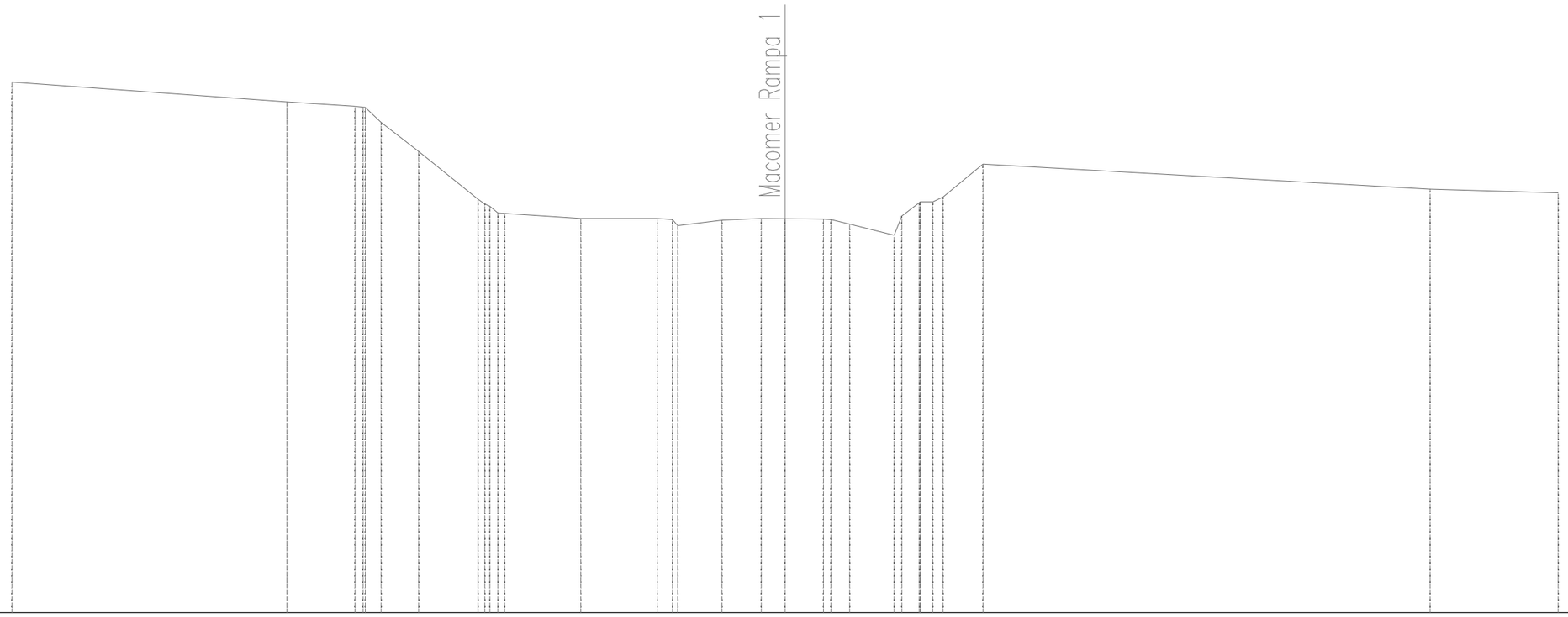


SCALA 1:200

QT.RIF. 484.422

QUOTE TERRENO	503.91		503.90		502.93		501.96		499.94		499.56		499.38	499.43	499.44	499.55	499.57		499.55		499.34	499.36		499.34		499.16		499.03	499.16	499.16	499.18		499.23		498.83	498.73	499.05		499.41	499.60	500.00	501.10		500.79		500.77	500.74	500.73		500.71		500.67		500.52		500.41	
DIST.PARZIALI TERRENO		2.16		1.76		1.57		2.79		2.25		1.10	0.73		1.21		2.84		3.82	0.51		3.08		2.55		2.57	0.72		0.91		0.75		2.36	0.62		0.77		0.83			8.31		0.85		1.07		0.98		1.51		5.26		3.85	
QUOTE PROGETTO																								499.34		499.34				499.34		499.34																							
DIST.PARZIALI PROGETTO																								1.00		4.00				1.00																								

SEZIONE N. : 6
QT. PROGETTO : 499.356
DIST.PROG. : 0+122.125
DIST.PREC. : 22.125

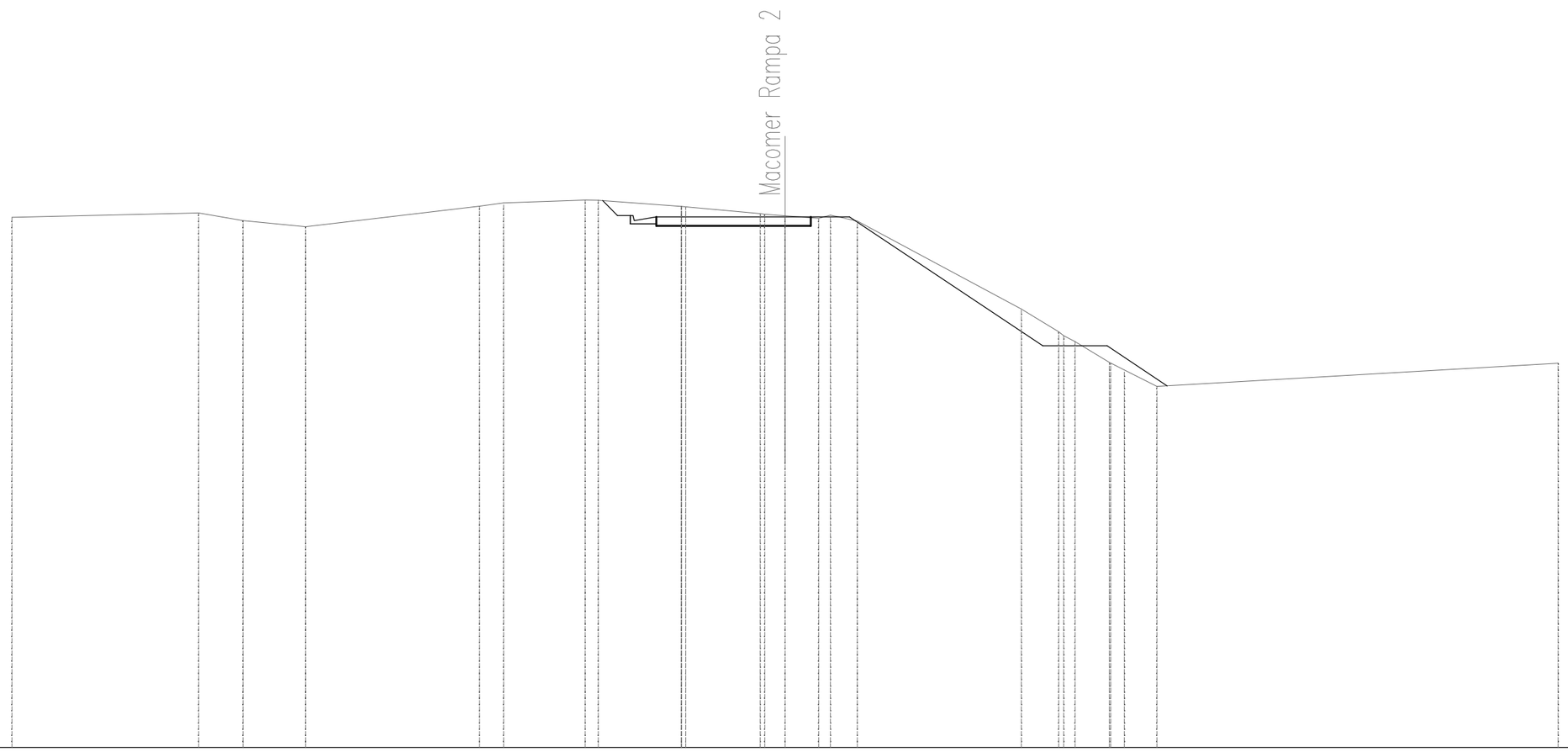


SCALA 1:200

QT.RIF. 484.081

QUOTE TERRENO	504.65		503.88	503.72	503.08	501.96	500.10	499.83	499.55	499.36	499.36	499.32	499.08	499.29	499.36	499.35	499.34	499.32	499.14	498.71	499.45	499.97	500.00	500.19	501.47	500.49	500.35
DIST.PARZIALI TERRENO		10.67	2.64		0.61	1.46	2.30			2.95	2.96	0.59	1.71	1.53	0.93	1.49	0.73	1.72		0.68			1.55	17.35		4.97	
QUOTE PROGETTO																											
DIST.PARZIALI PROGETTO																											

SEZIONE N. : 1
QT. PROGETTO : 499.606
DIST.PROG. : 0+000.000
DIST.SUCC. : 25.000

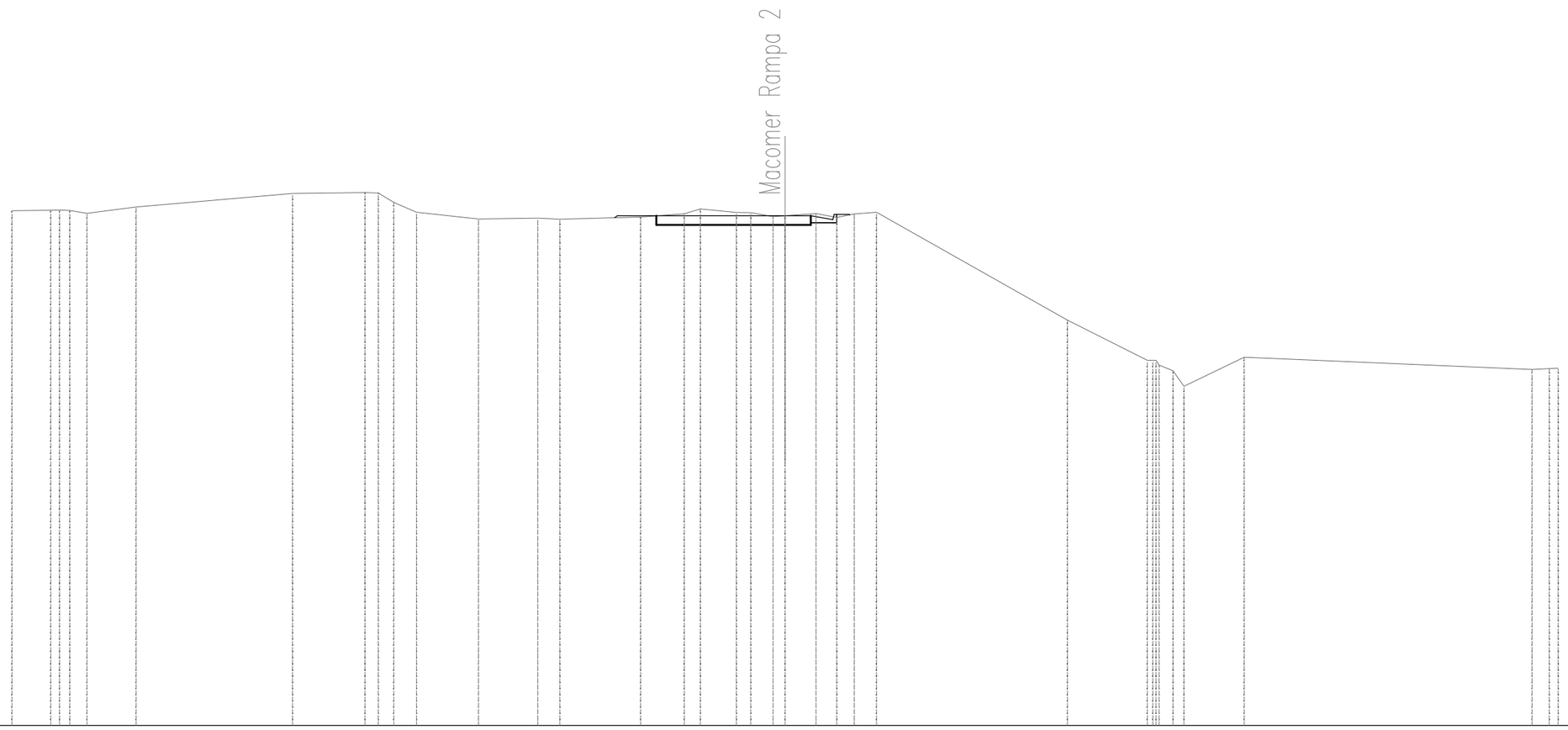


SCALA 1:200

QT.RIF. 479.041

QUOTE TERRENO	499.59		499.76	499.46	499.22		500.02	500.15	500.25	500.25	500.01	499.99	499.73	499.71	499.65	499.55	499.67	499.44	496.03	495.15	494.77	493.97	493.67	493.03		493.93
DIST.PARZIALI TERRENO		7.25	1.71	2.43	6.74		0.93	3.17	0.50	3.22		2.89	0.79	1.30		1.04		6.37	1.45		1.33	0.54	1.26		15.57
QUOTE PROGETTO										499.34	499.34	499.61	499.61		499.61	499.61									
DIST.PARZIALI PROGETTO										0.85	1.00		4.00		1.00										

SEZIONE N. : 2
QT. PROGETTO : 500.601
DIST.PROG. : 0+025.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 480.844

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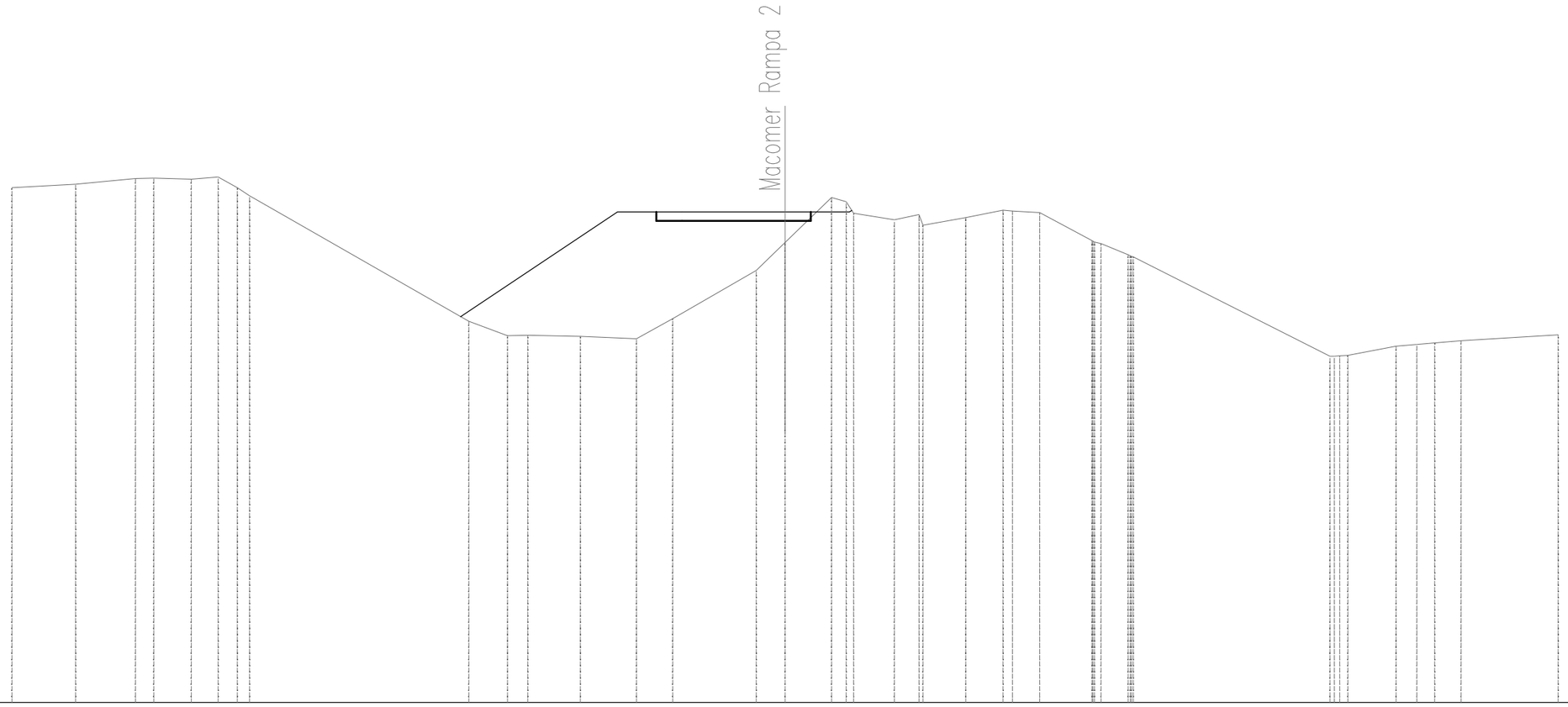
SEZIONE N. : 3
QT. PROGETTO : 500.971
DIST.PROG. : 0+050.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 481.950

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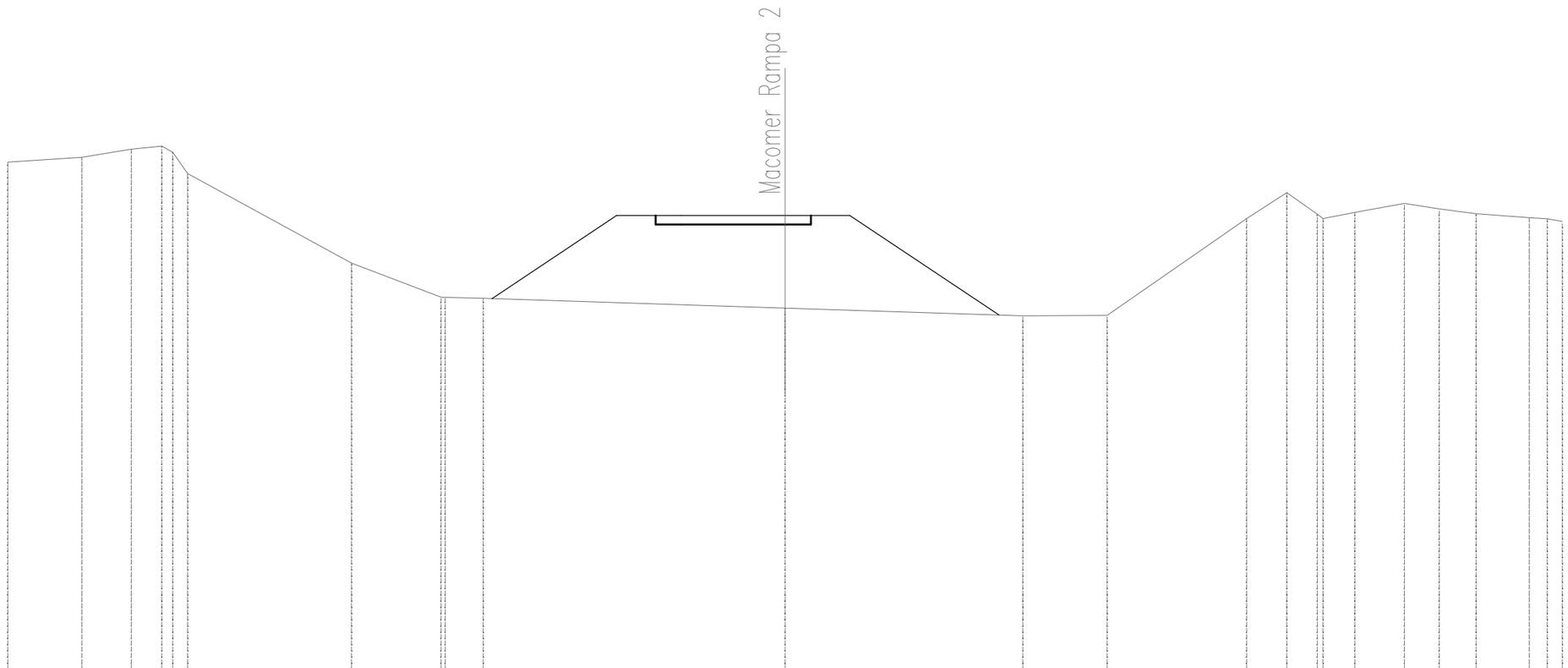
SEZIONE N. : 4
QT. PROGETTO : 500.717
DIST.PROG. : 0+075.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

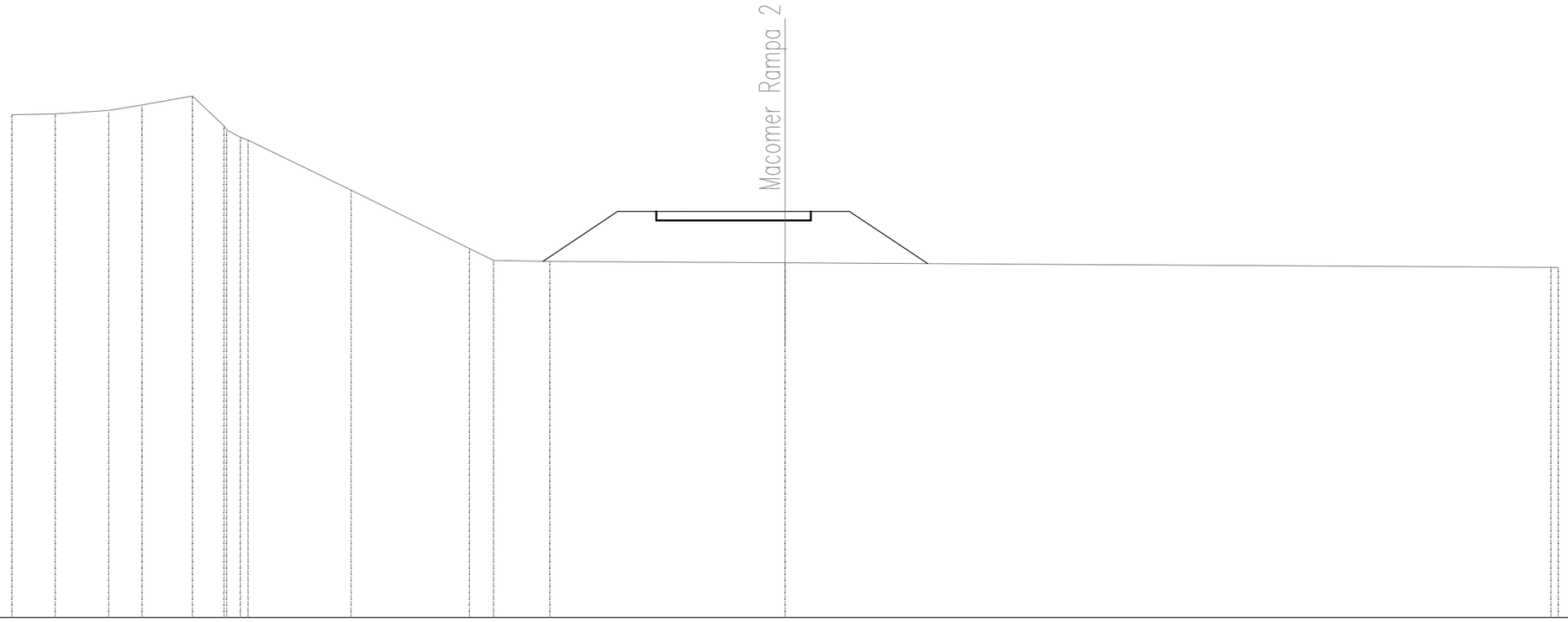


SCALA 1:200

QT.RIF. 483.216

QUOTE TERRENO	502.77		502.96		503.27	503.39	502.33		498.88		497.57 497.56	497.52		497.14		496.85	496.86		500.60	501.59	500.76 500.60	500.83	501.18	500.97	500.78	500.63 500.59 500.49
DIST.PARZIALI TERRENO		2.86	1.90	1.18	0.58	6.32		3.45		1.47	11.65			9.18		3.25	5.38		1.55	1.17	1.23	1.92	1.35	1.42	2.05	0.69 0.59
QUOTE PROGETTO													500.72	500.72		500.72	500.72									
DIST.PARZIALI PROGETTO													1.00	4.00		1.00										

SEZIONE N. : 5
QT. PROGETTO : 499.989
DIST.PROG. : 0+100.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

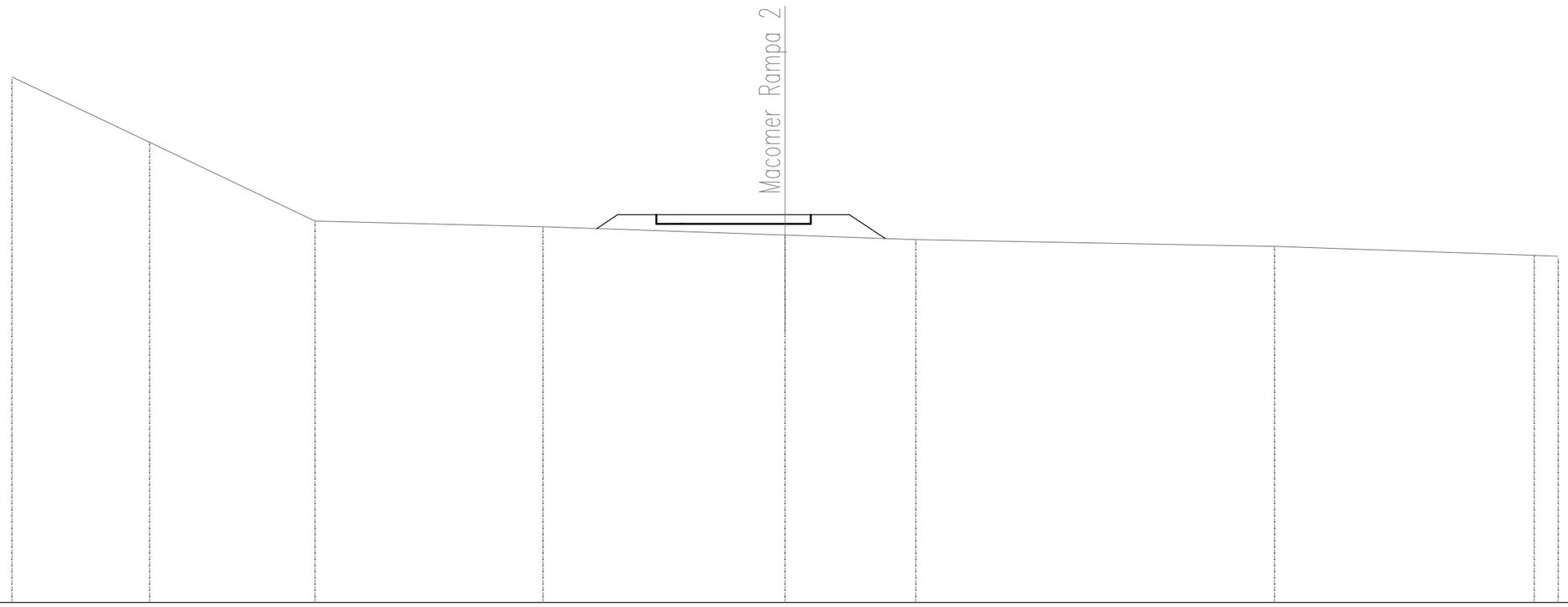


SCALA 1:200

QT.RIF. 484.244

QUOTE TERRENO	503.74	503.77	503.91	504.12	504.47	503.30	502.87	502.76	500.82	498.55	498.09	498.05	498.00	497.82	497.82							
DIST.PARZIALI TERRENO		1.68	2.08	1.29	1.95	1.23	0.53		4.00	4.59	0.93	2.19	9.13	29.71								
QUOTE PROGETTO													499.99	499.99	499.99	499.99						
DIST.PARZIALI PROGETTO													1.00	4.00	1.00							

SEZIONE N. : 6
QT. PROGETTO : 499.599
DIST.PROG. : 0+125.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

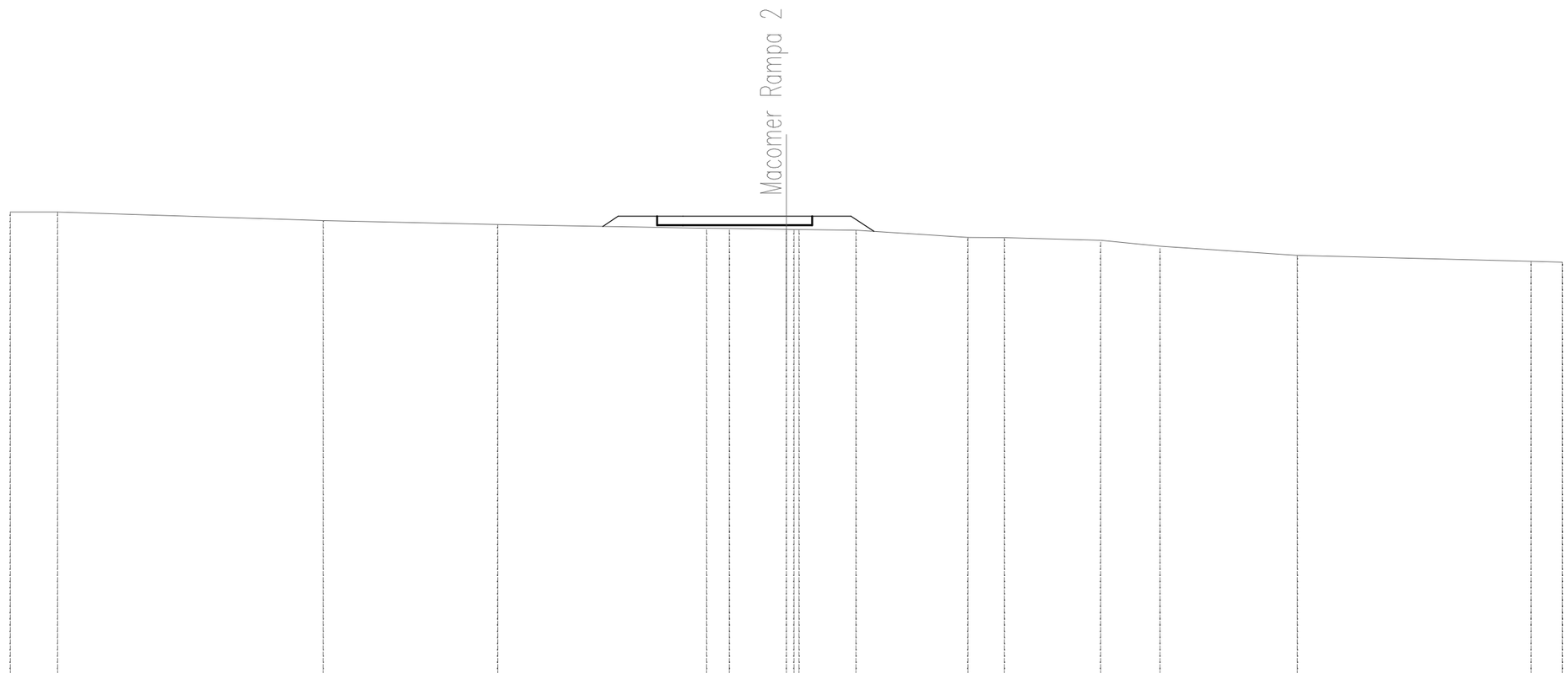


SCALA 1:200

QT.RIF. 484.567

QUOTE TERRENO	504.94		502.41		499.36		499.13		498.81		498.64		498.38		498.03	497.99	
DIST.PARZIALI TERRENO		5.35		6.41		8.85		9.39		5.07		13.92		10.08		0.93	
QUOTE PROGETTO								499.60	499.60	499.60	499.60						
DIST.PARZIALI PROGETTO								1.00	4.00	1.00							

SEZIONE N. : 7
QT. PROGETTO : 499.796
DIST.PROG. : 0+150.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

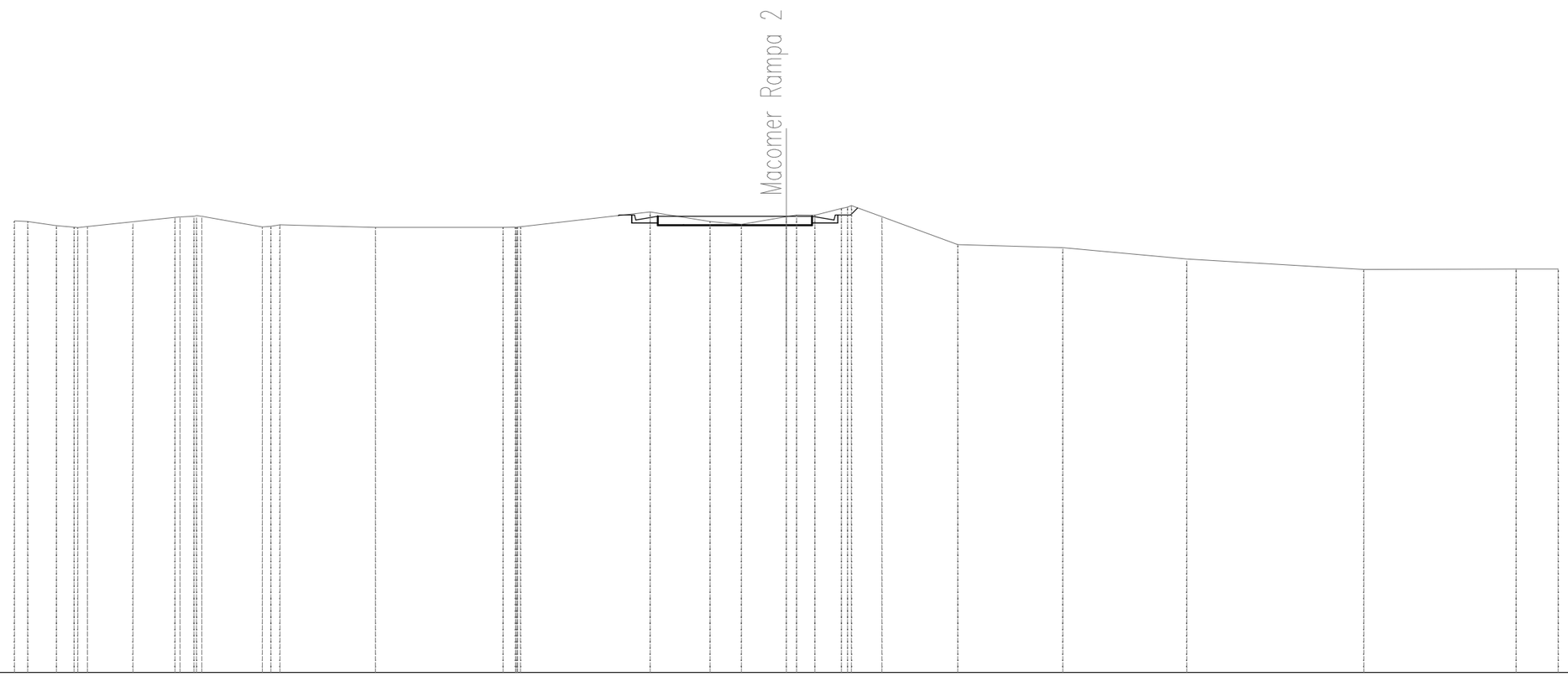


SCALA 1:200

QT.RIF. 482.084

QUOTE TERRENO	499.95	499.95		499.62		499.47			499.33	499.32	499.28	499.28	499.25		498.97	498.97	498.86	498.64	498.28	498.05	498.01
DIST.PARZIALI TERRENO		1.83	10.27		6.74		8.08		0.87	2.21		2.20		4.33	1.41	3.71	2.30	5.30	9.03	1.22	
QUOTE PROGETTO								499.80	499.80		499.80	499.80									
DIST.PARZIALI PROGETTO								1.00		4.00		1.00									

SEZIONE N. : 8
QT. PROGETTO : 500.122
DIST.PROG. : 0+175.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 482.392

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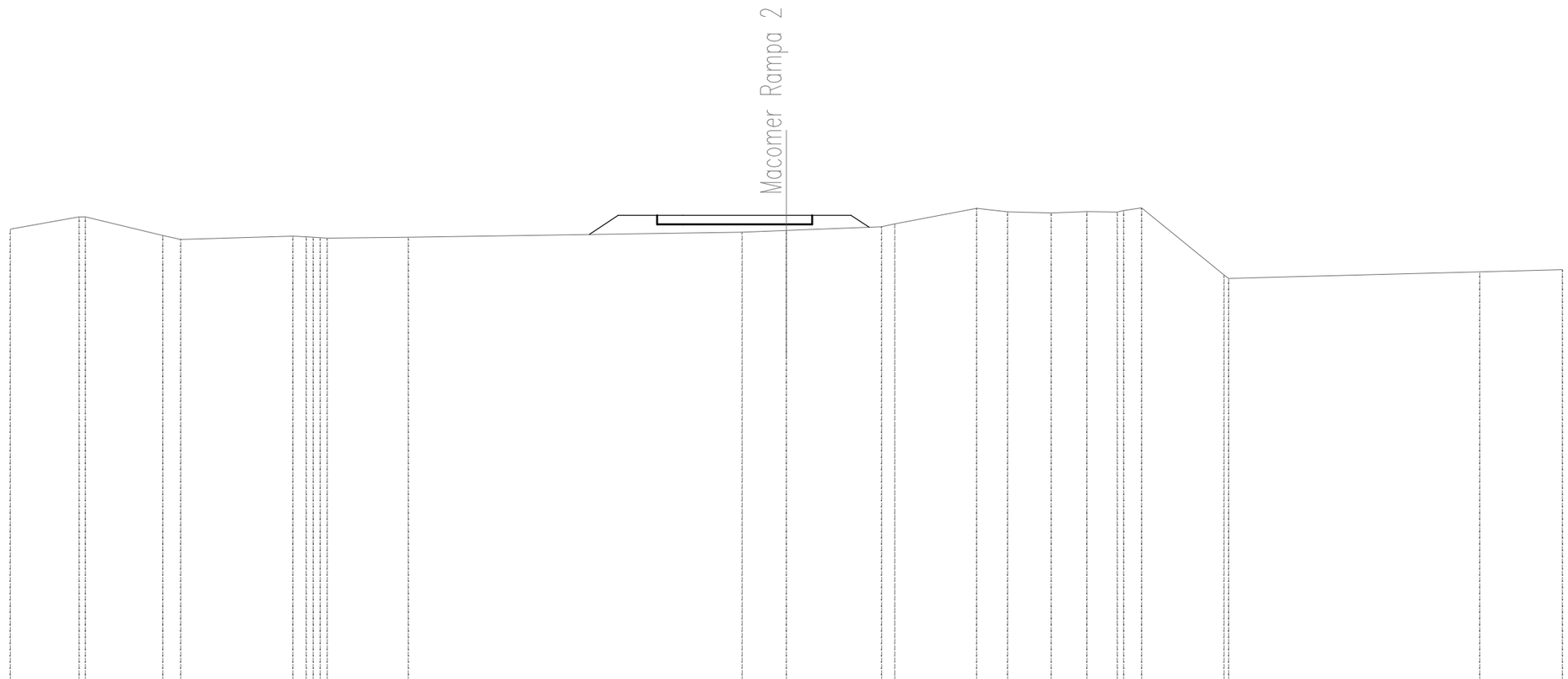
SEZIONE N. : 9
QT. PROGETTO : 500.134
DIST.PROG. : 0+200.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

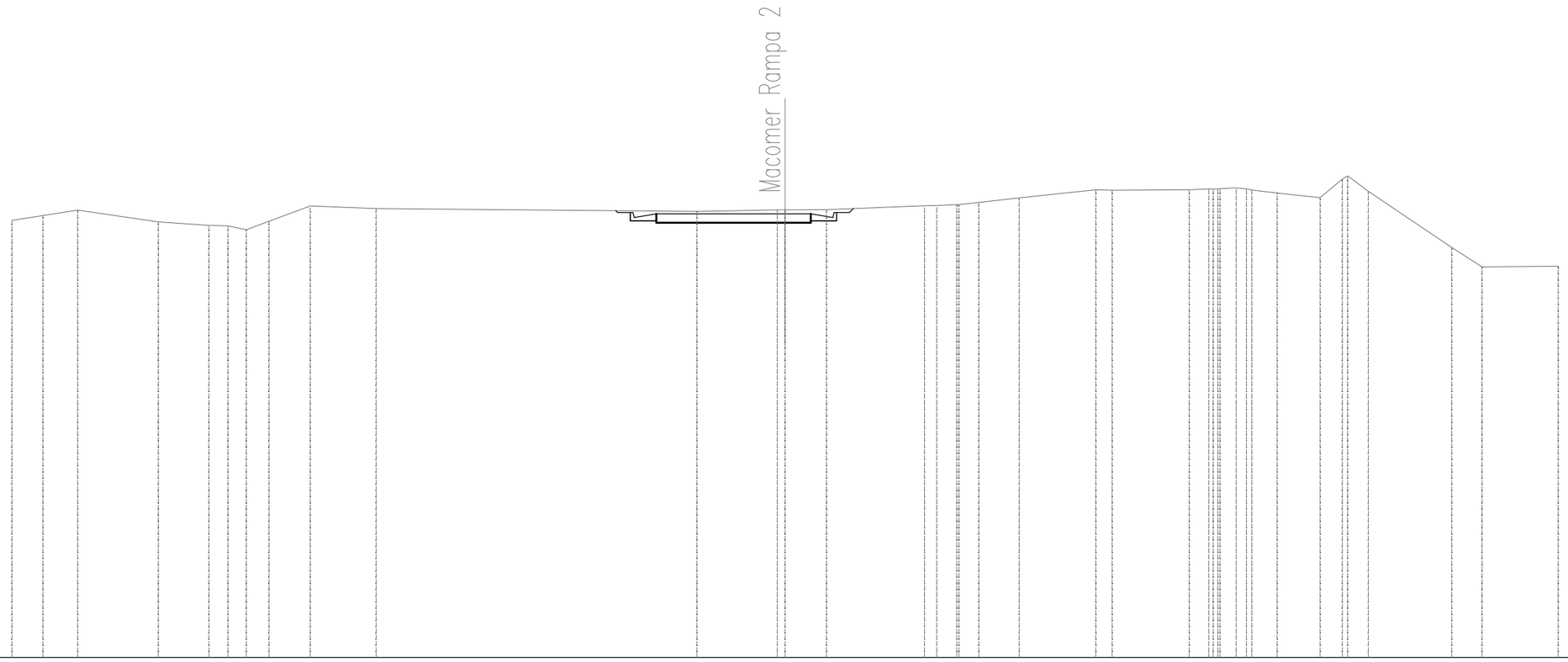


SCALA 1:200

QT.RIF. 482.158

QUOTE TERRENO	499.60		500.07 500.07		499.35 499.20		499.33 499.30 499.27 499.25		499.28				499.48	499.55	499.69 499.80		500.40	500.27	500.22	500.27	500.26 500.32 500.42		497.83 497.70			497.95	498.03
DIST.PARZIALI TERRENO		2.66		2.99	0.69	4.33	0.52	3.13		12.90			1.71	3.68	0.51	3.16	1.19	1.69	1.38	1.17	0.70	3.18		9.71		3.20	
QUOTE PROGETTO													500.13	500.13	500.13	500.13											
DIST.PARZIALI PROGETTO													1.00	4.00	1.00												

SEZIONE N. : 10
QT. PROGETTO : 499.634
DIST.PROG. : 0+225.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 482.438

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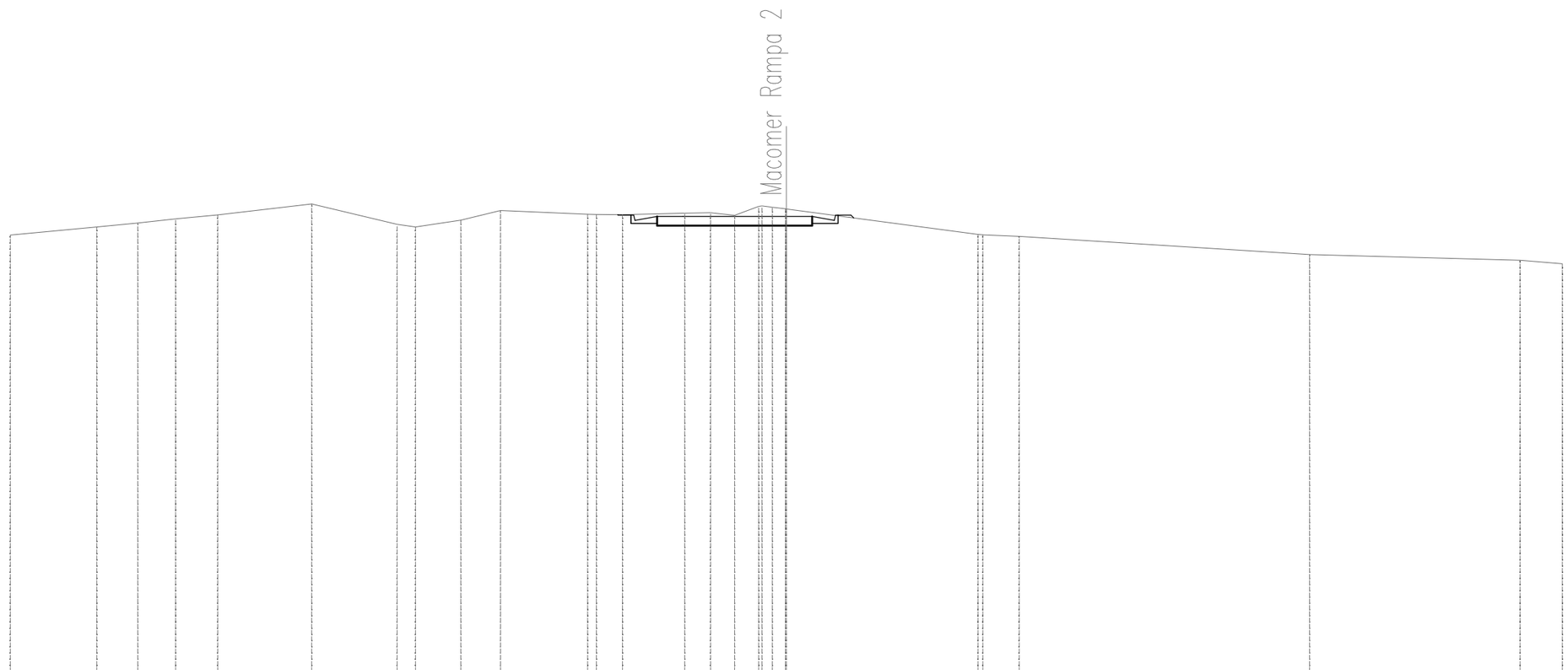
SEZIONE N. : 11
QT. PROGETTO : 499.083
DIST.PROG. : 0+250.000
DIST.PREC. : 25.000
DIST.SUCC. : 13.351



SCALA 1:200

QT.RIF. 481.513

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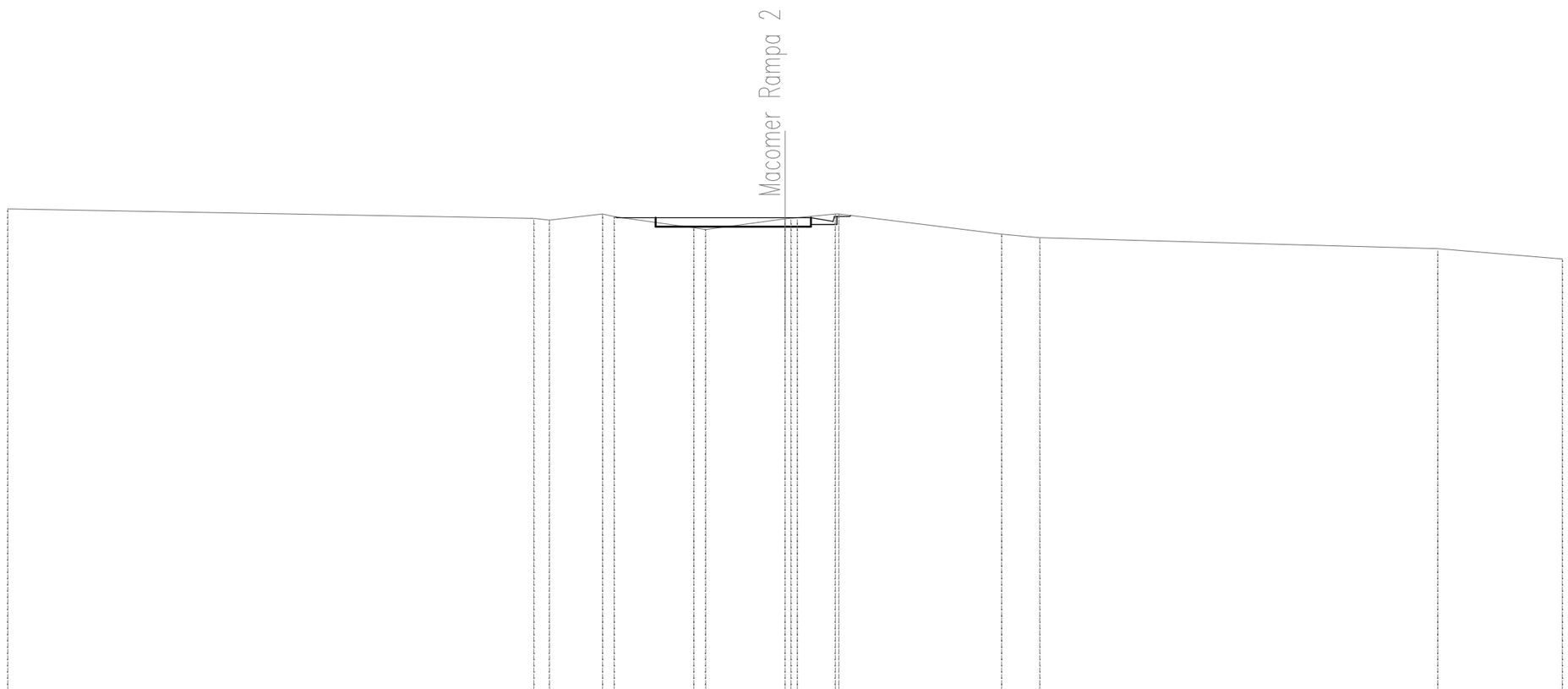
SEZIONE N. : 12
QT. PROGETTO : 498.790
DIST.PROG. : 0+263.351
DIST.PREC. : 13.351

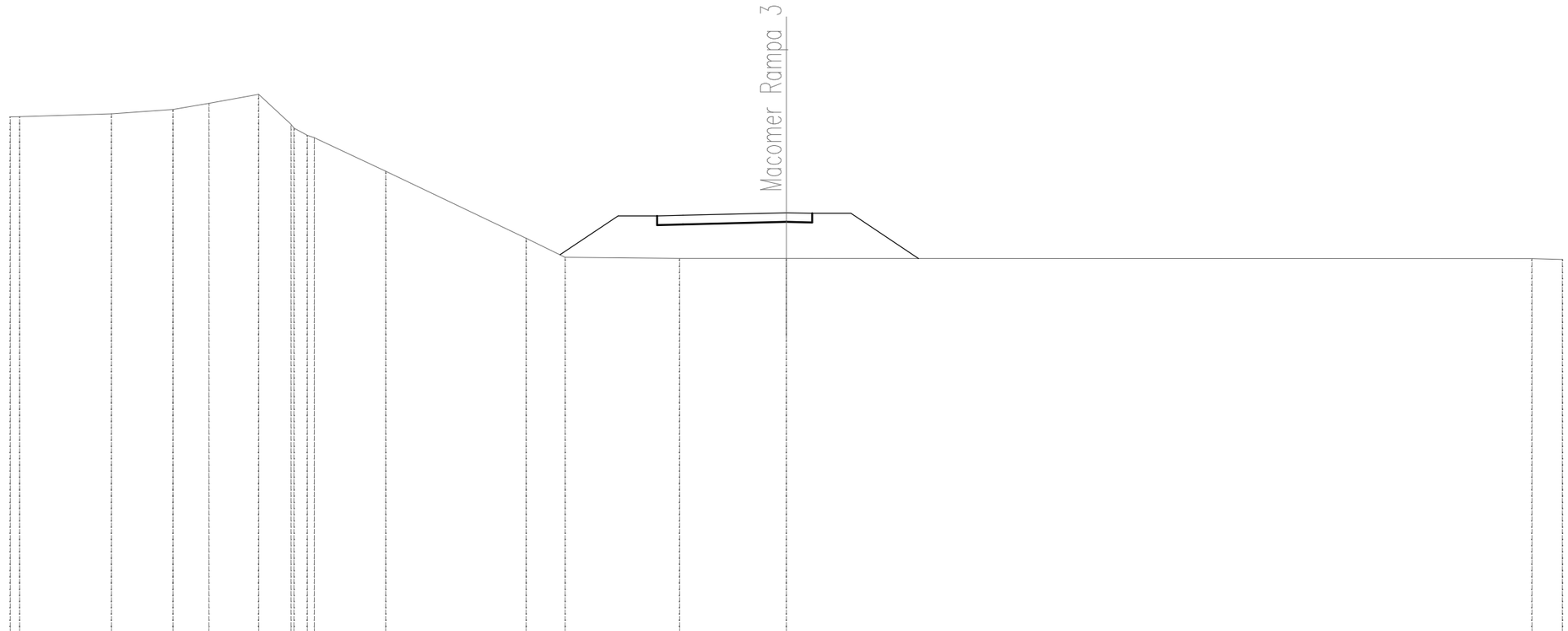


SCALA 1:200

QT.RIF. 480.560

QUOTE TERRENO	499.13							498.76	498.69	498.93	498.83	498.39	498.33	498.74	498.79	498.93	498.93	498.15	498.01			497.59		497.19
DIST.PARZIALI TERRENO		20.30						0.60	2.05		3.07		3.07		1.47		6.28	1.47		15.36			4.81	
QUOTE PROGETTO										498.79	498.79			498.79	498.79	498.64	498.52							
DIST.PARZIALI PROGETTO										1.00		4.00			1.00	0.85								

SEZIONE N. : 1
QT. PROGETTO : 499.887
DIST.PROG. : 0+000.000
DIST.SUCC. : 25.000

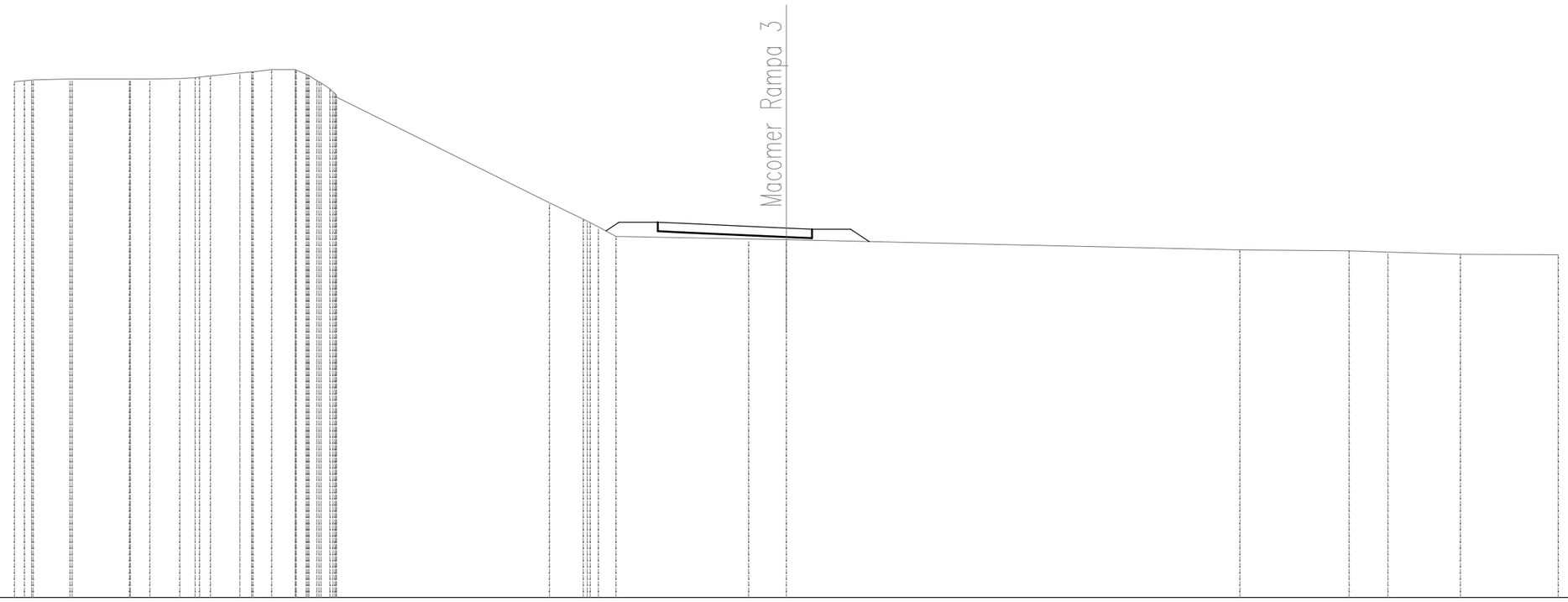


SCALA 1:200

QT.RIF. 483.672

QUOTE TERRENO	503.59	503.60	503.71	503.88	504.11	504.46	503.30	502.88	502.79	501.50	498.90	498.17	498.12	498.12			498.11	498.08
DIST.PARZIALI TERRENO		3.55	2.38	1.39	1.92	1.25	0.52		2.76	5.42	1.51	4.42	4.13		28.82			1.18
QUOTE PROGETTO													499.76	499.79	499.89	499.86		
DIST.PARZIALI PROGETTO													1.00	4.00	1.00			

SEZIONE N. : 2
QT. PROGETTO : 499.595
DIST.PROG. : 0+025.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 485.253

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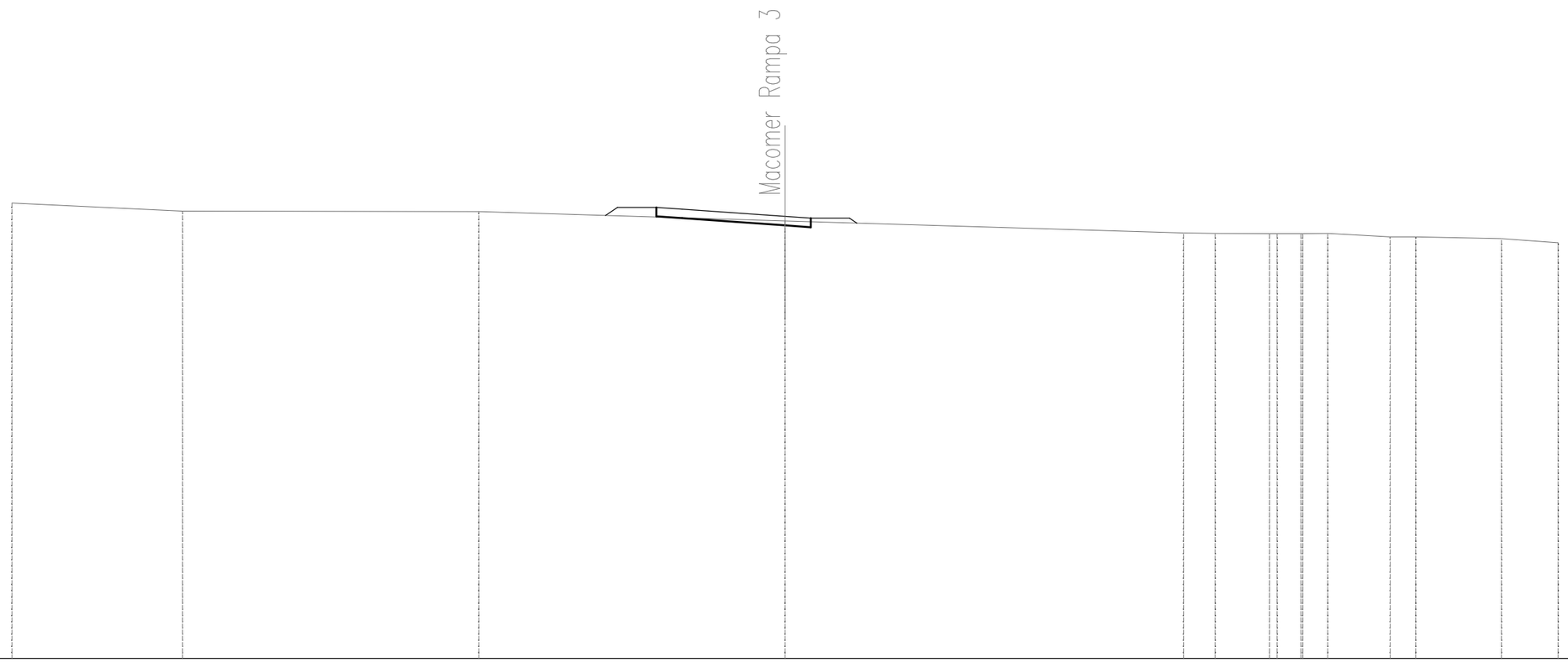
SEZIONE N. : 3
QT. PROGETTO : 499.718
DIST.PROG. : 0+050.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

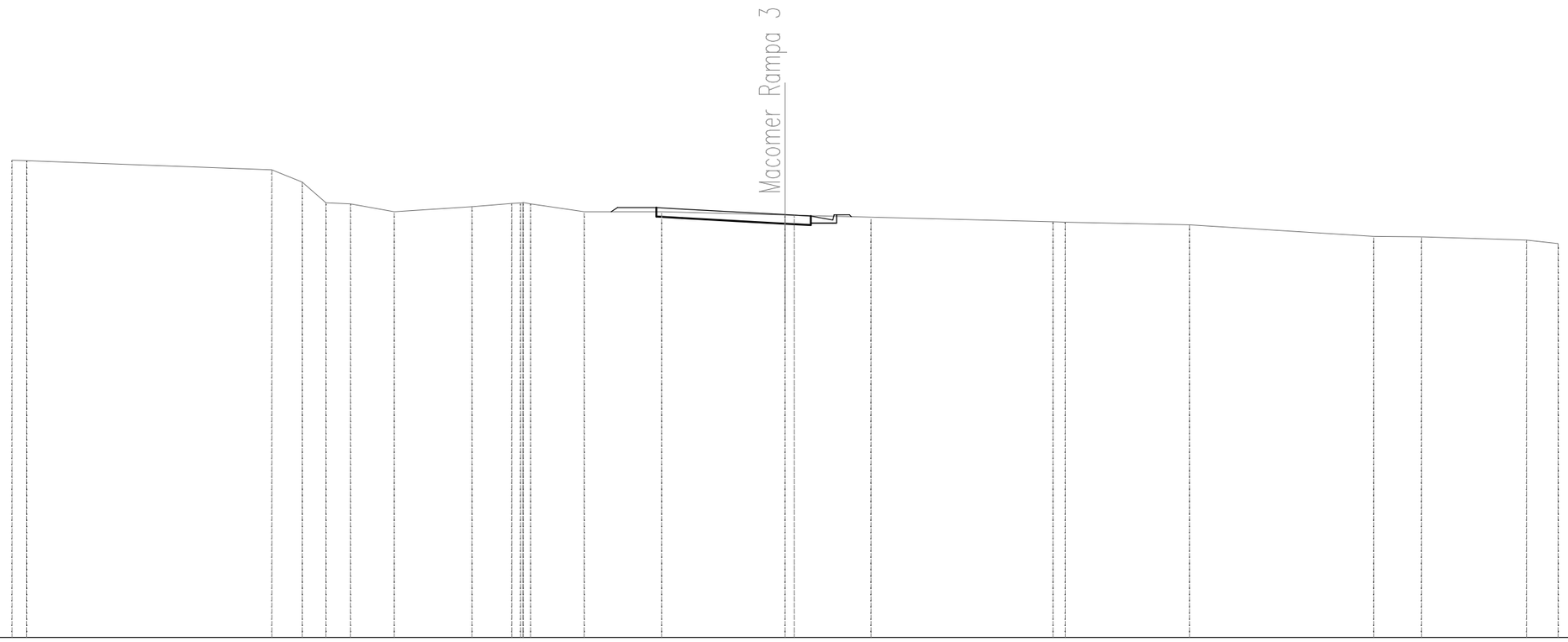


SCALA 1:200

QT.RIF. 482.567

QUOTE TERRENO	500.24		499.92			499.90				499.54					499.07	499.06	499.05	499.05	499.05	499.05	498.92	498.92	498.85	498.70
DIST.PARZIALI TERRENO		6.62		11.50			11.88				15.46				1.23	2.11	0.92	0.96	2.42		0.99	3.33	2.20	
QUOTE PROGETTO								500.07	500.00			499.72	499.65											
DIST.PARZIALI PROGETTO								1.00		4.00		1.00												

SEZIONE N. : 4
QT. PROGETTO : 499.850
DIST.PROG. : 0+075.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

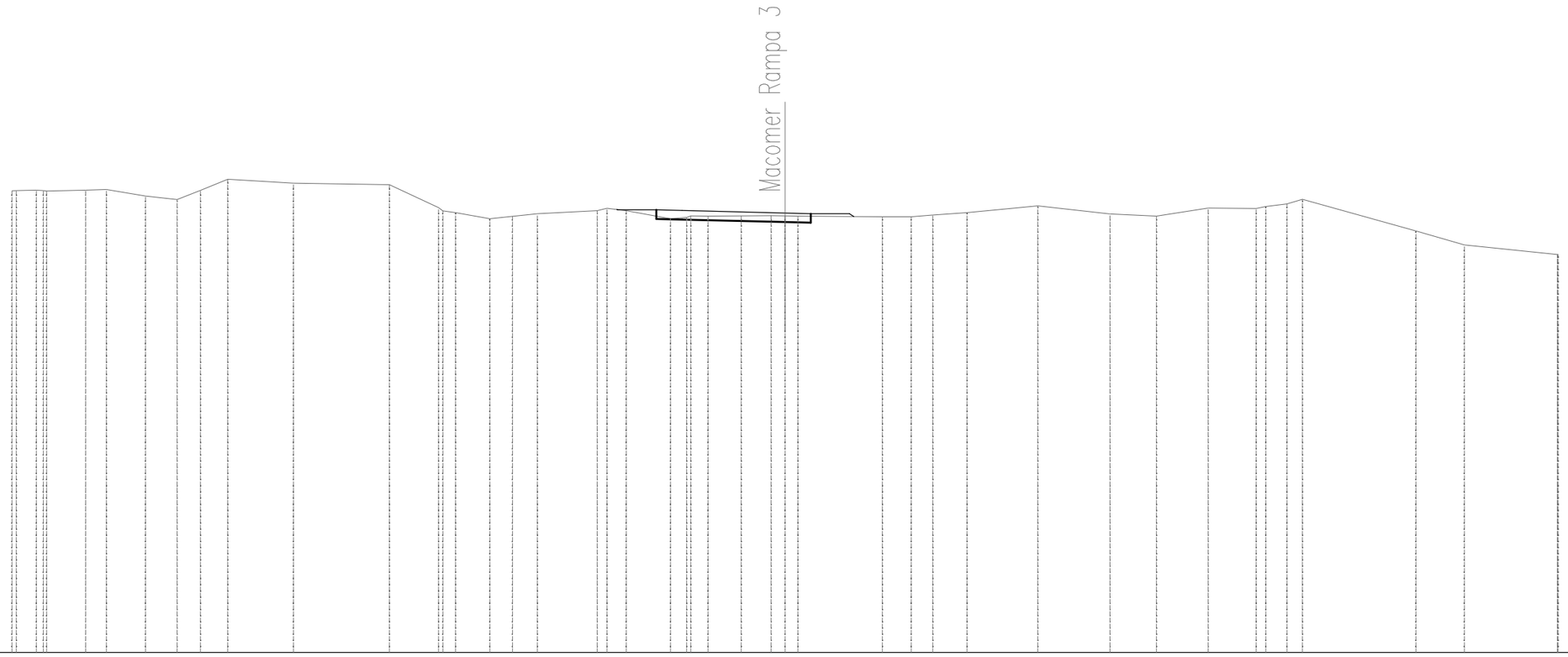


SCALA 1:200

QT.RIF. 483.449

QUOTE TERRENO	501.97	501.95	501.59	501.12	500.31	500.27	499.96	500.16	500.28	500.27	499.96	499.96	499.83	499.83	499.75	499.57	499.56	499.45	499.01	498.99	498.86	498.73
DIST.PARZIALI TERRENO	0.57	9.51	1.18	0.92	0.95	1.70	3.01	1.55	2.08	3.00	4.79	2.97	7.06	0.48	4.80	7.15	1.85	4.08	1.23			
QUOTE PROGETTO											500.12	500.07	499.85	499.80	499.65	499.53						
DIST.PARZIALI PROGETTO											1.00	4.00	1.00	0.85								

SEZIONE N. : 5
QT. PROGETTO : 499.983
DIST.PROG. : 0+100.000
DIST.PREC. : 25.000
DIST.SUCC. : 3.022



SCALA 1:200

QT.RIF. 482.934

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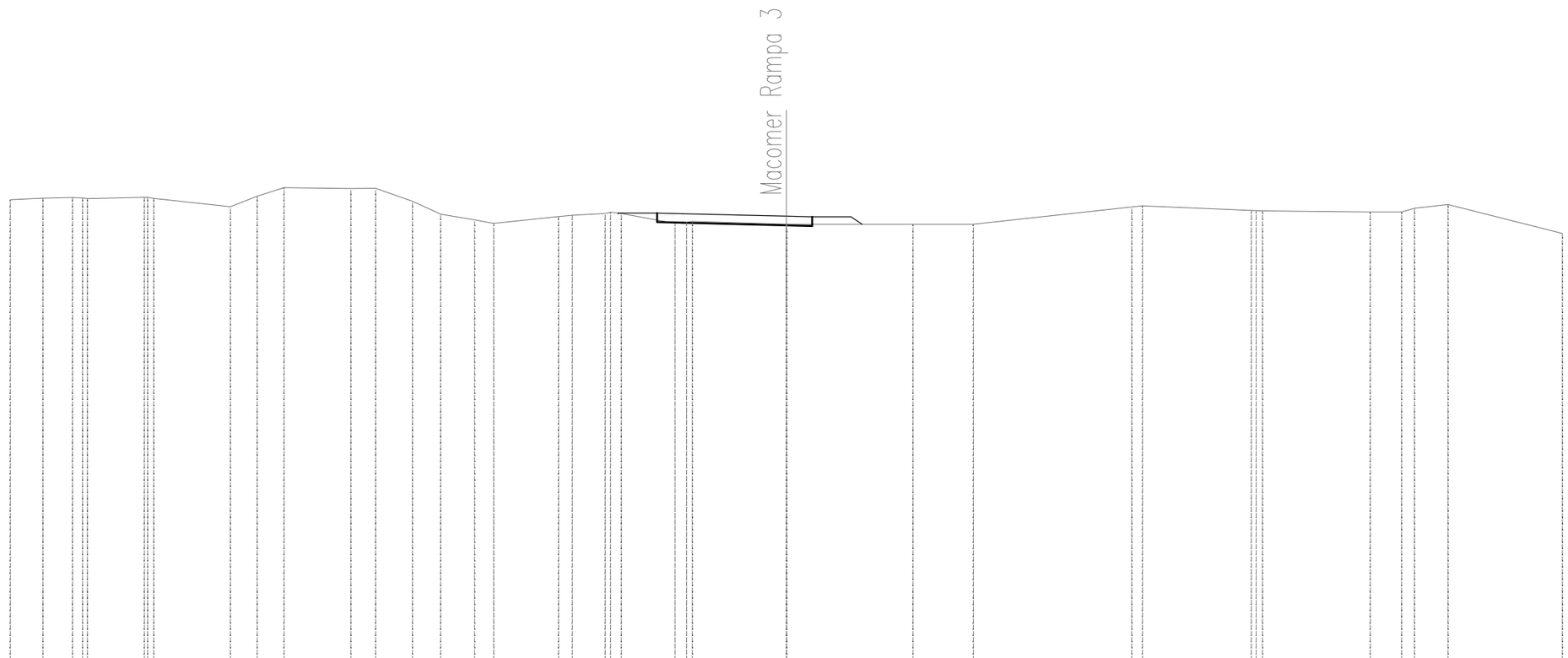
SEZIONE N. : 6
QT. PROGETTO : 499.999
DIST.PROG. : 0+103.022
DIST.PREC. : 3.022



SCALA 1:200

QT.RIF. 482.614

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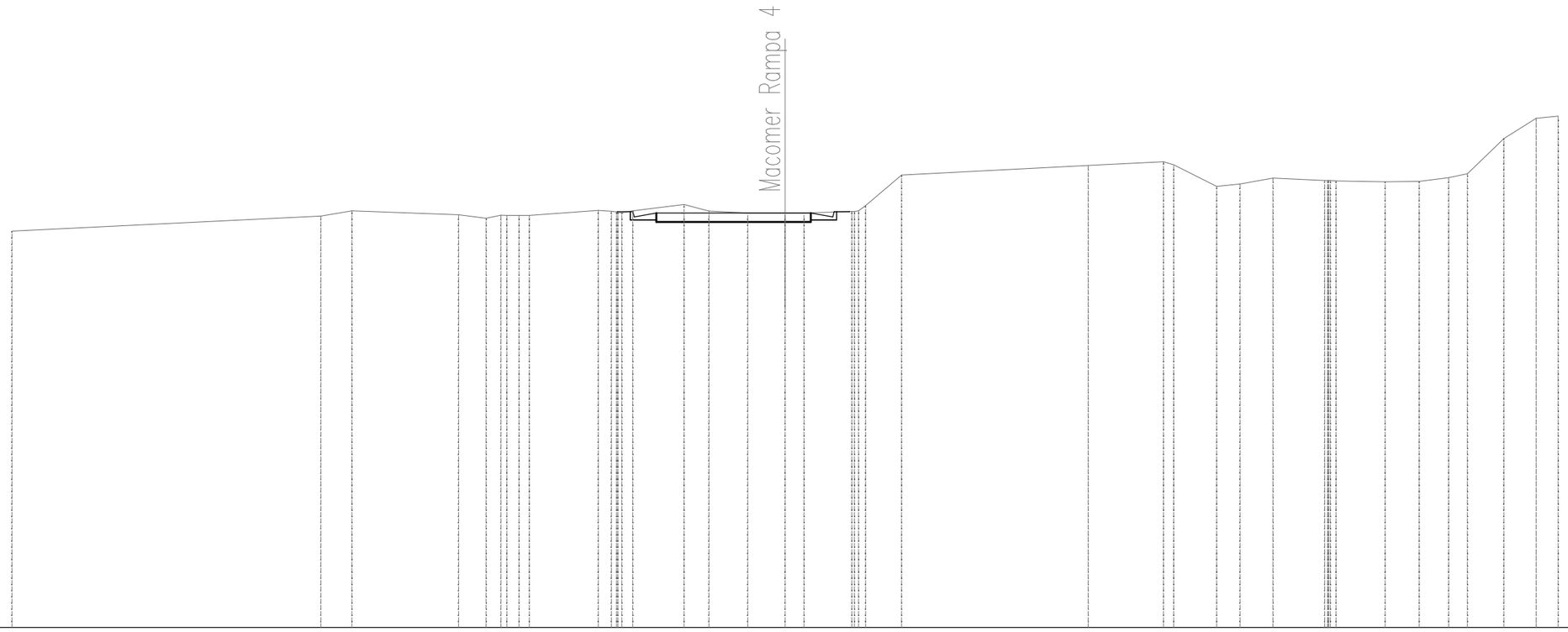
SEZIONE N. : 1
QT. PROGETTO : 499.905
DIST.PROG. : 0+000.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 483.828

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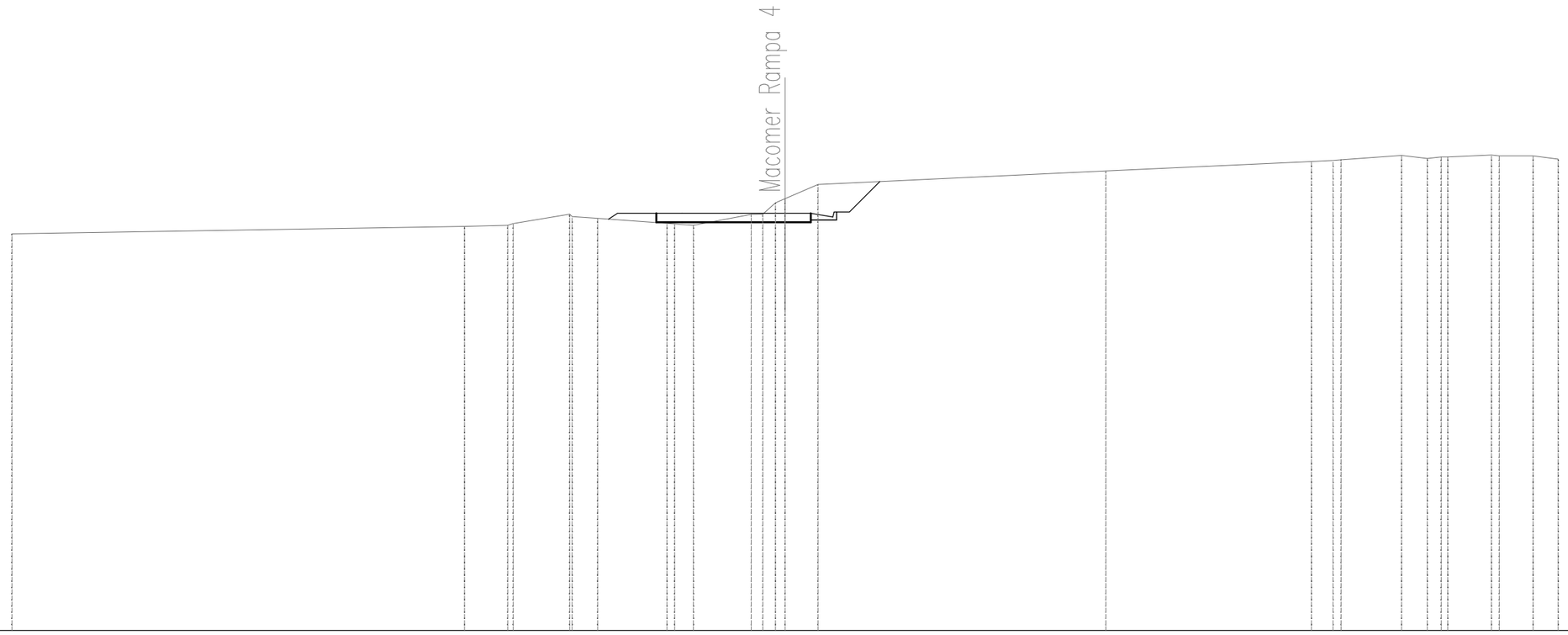
SEZIONE N. : 2
QT. PROGETTO : 500.427
DIST.PROG. : 0+025.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

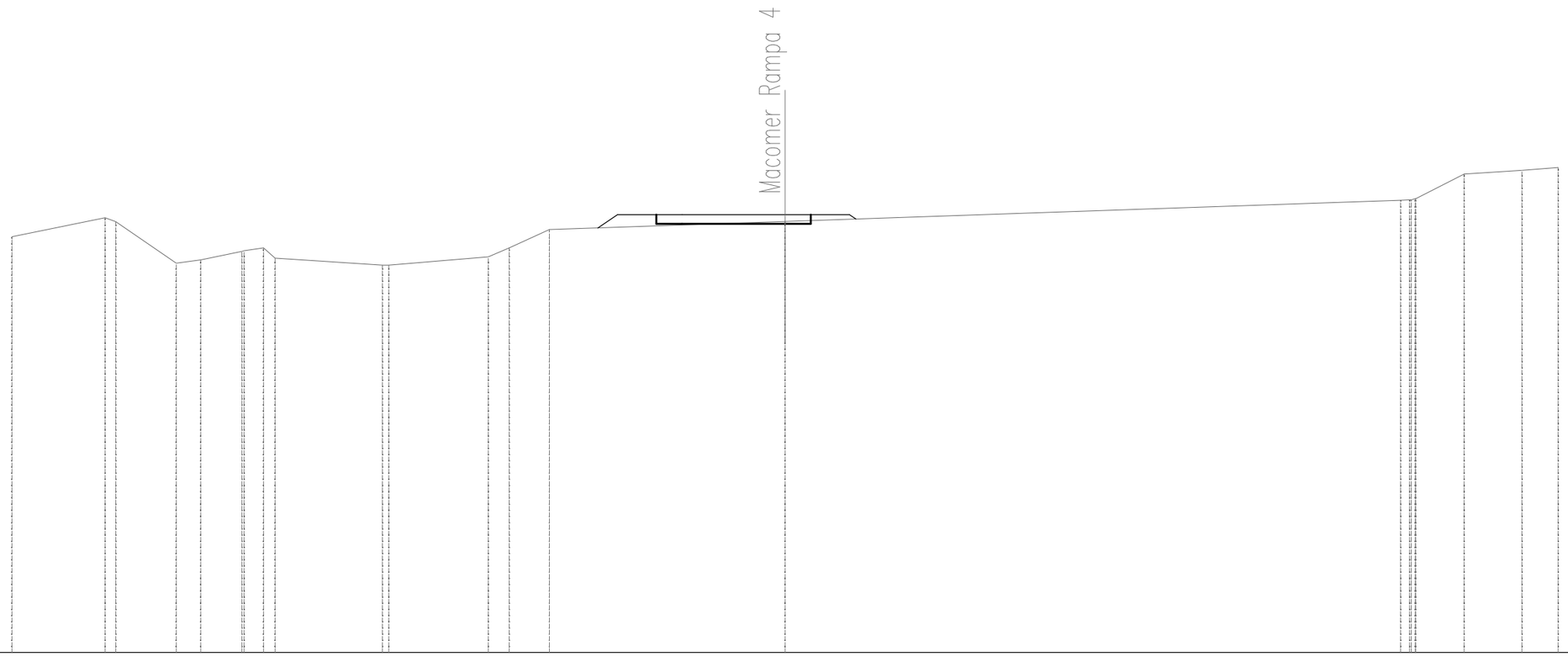


SCALA 1:200

QT.RIF. 484.254

QUOTE TERRENO	499.62							499.91	499.96	500.02	500.39	500.30	500.23	500.03	500.01	499.96	500.38	500.39	500.83	500.99	501.54			502.06		502.43	502.47	502.49	502.67	502.55	502.61	502.61	502.68	502.65	502.65	502.52
DIST.PARZIALI TERRENO		17.56						1.67		2.19	0.99		2.70	0.73		2.24	0.49			1.28		11.17		7.97		0.84		2.34	1.00	0.55		1.69	1.31		0.98	
QUOTE PROGETTO														500.43	500.43				500.43	500.43	500.28	500.16														
DIST.PARZIALI PROGETTO														1.00		4.00				1.00	0.85															

SEZIONE N. : 3
QT. PROGETTO : 501.926
DIST.PROG. : 0+050.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

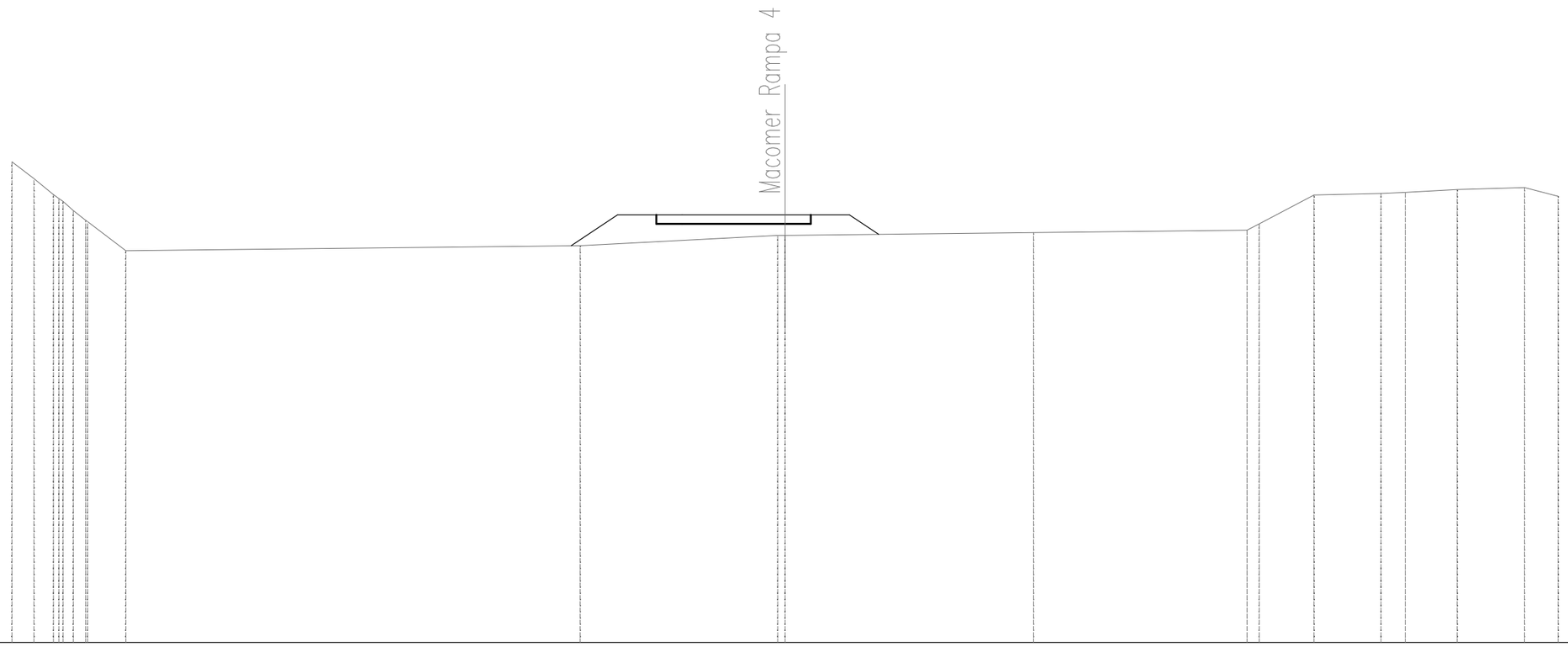


SCALA 1:200

QT.RIF. 484.964

QUOTE TERRENO	501.07		501.81 501.66		500.05	500.17	500.51 500.53		500.24		499.98 499.97		500.29	500.64	501.35		501.66		502.48 502.54 502.55		503.50		503.65	503.75
DIST.PARZIALI TERRENO		3.62		2.34	0.95	1.59	0.75		4.16		3.86		0.82	1.56		9.14		23.89		1.88		2.25		1.41
QUOTE PROGETTO																501.93	501.93		501.93	501.93				
DIST.PARZIALI PROGETTO																1.00		4.00	1.00					

SEZIONE N. : 4
QT. PROGETTO : 503.596
DIST.PROG. : 0+075.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

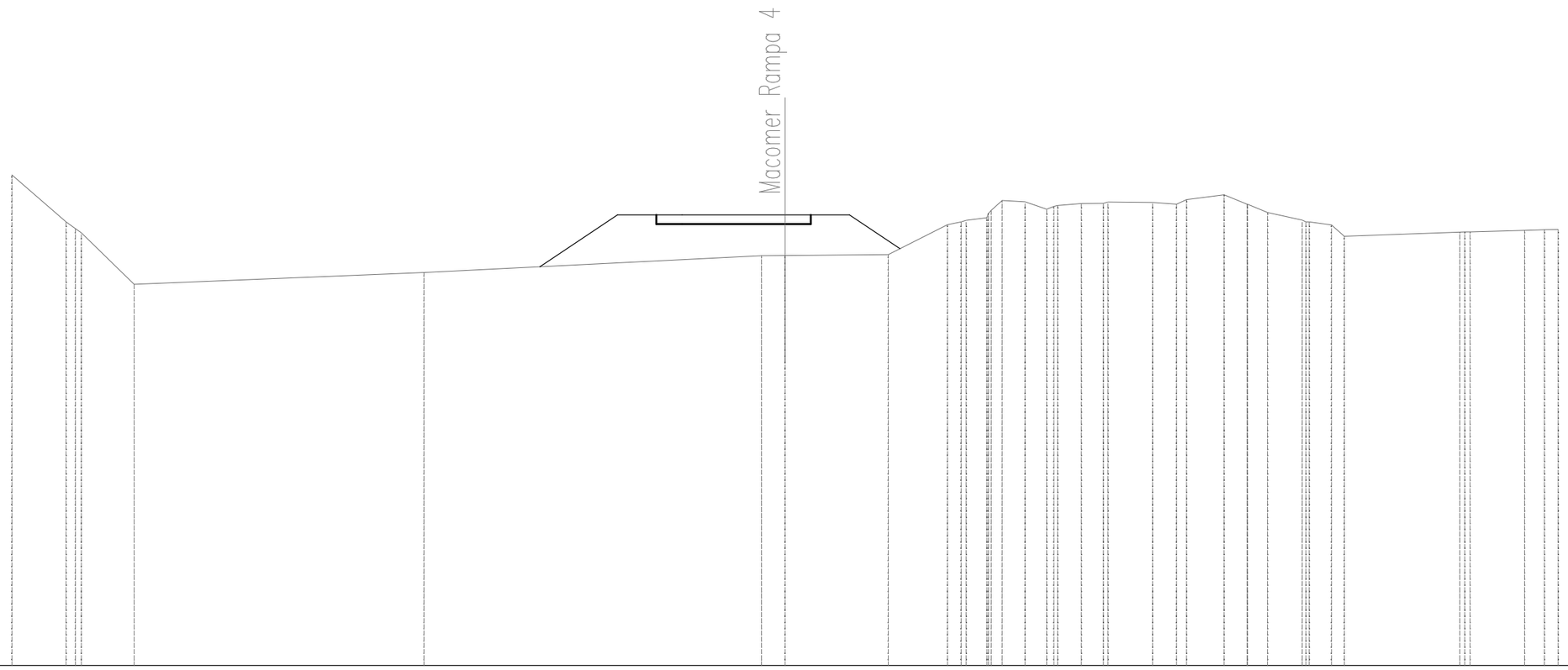


SCALA 1:200

QT.RIF. 487.026

QUOTE TERRENO	505.65	505.00	504.38	503.76	503.38	503.33	502.20	502.40	502.79	502.80	502.91	503.00	503.24	504.36	504.42	504.46	504.58	504.65	504.31
DIST.PARZIALI TERRENO	0.86	0.75			0.48	1.48	17.63	7.67		9.64	8.28		2.13	2.60	0.94	2.02	2.61	1.31	
QUOTE PROGETTO								503.60	503.60	503.60	503.60								
DIST.PARZIALI PROGETTO								1.00	4.00	1.00									

SEZIONE N. : 5
QT. PROGETTO : 505.266
DIST.PROG. : 0+100.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 487.795

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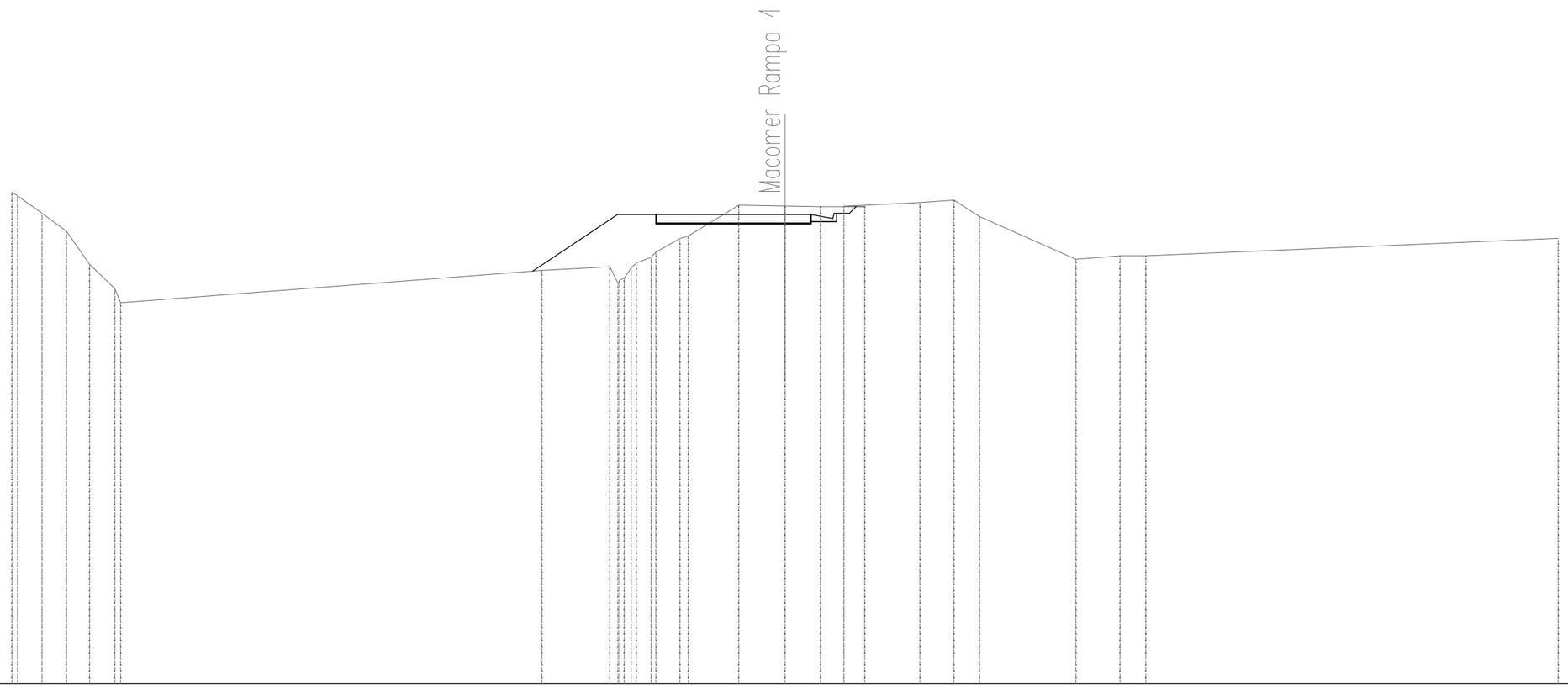
SEZIONE N. : 6
QT. PROGETTO : 506.935
DIST.PROG. : 0+125.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 488.760

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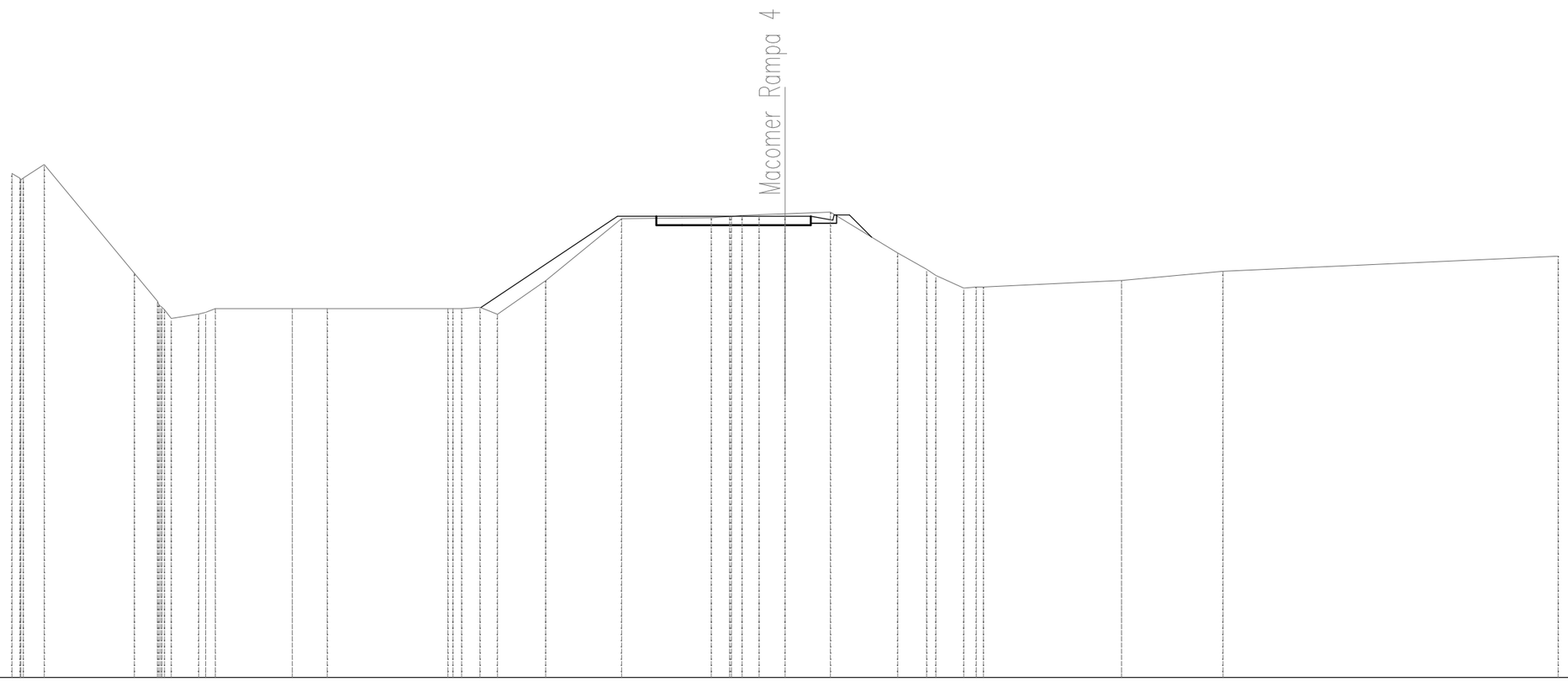
SEZIONE N. : 7
QT. PROGETTO : 508.583
DIST.PROG. : 0+150.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 490.704

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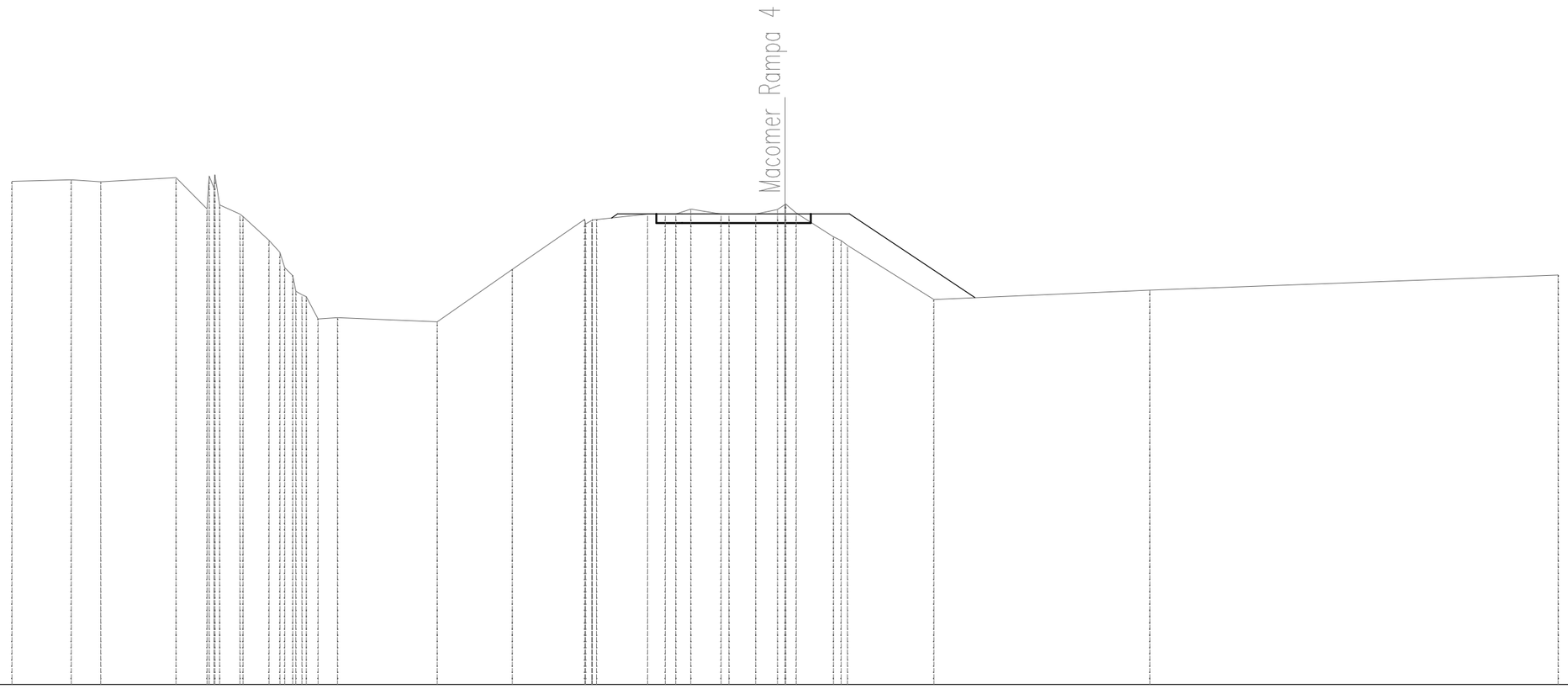
SEZIONE N. : 8
QT. PROGETTO : 510.009
DIST.PROG. : 0+175.000
DIST.PREC. : 25.000
DIST.SUCC. : 12.843



SCALA 1:200

QT.RIF. 491.778

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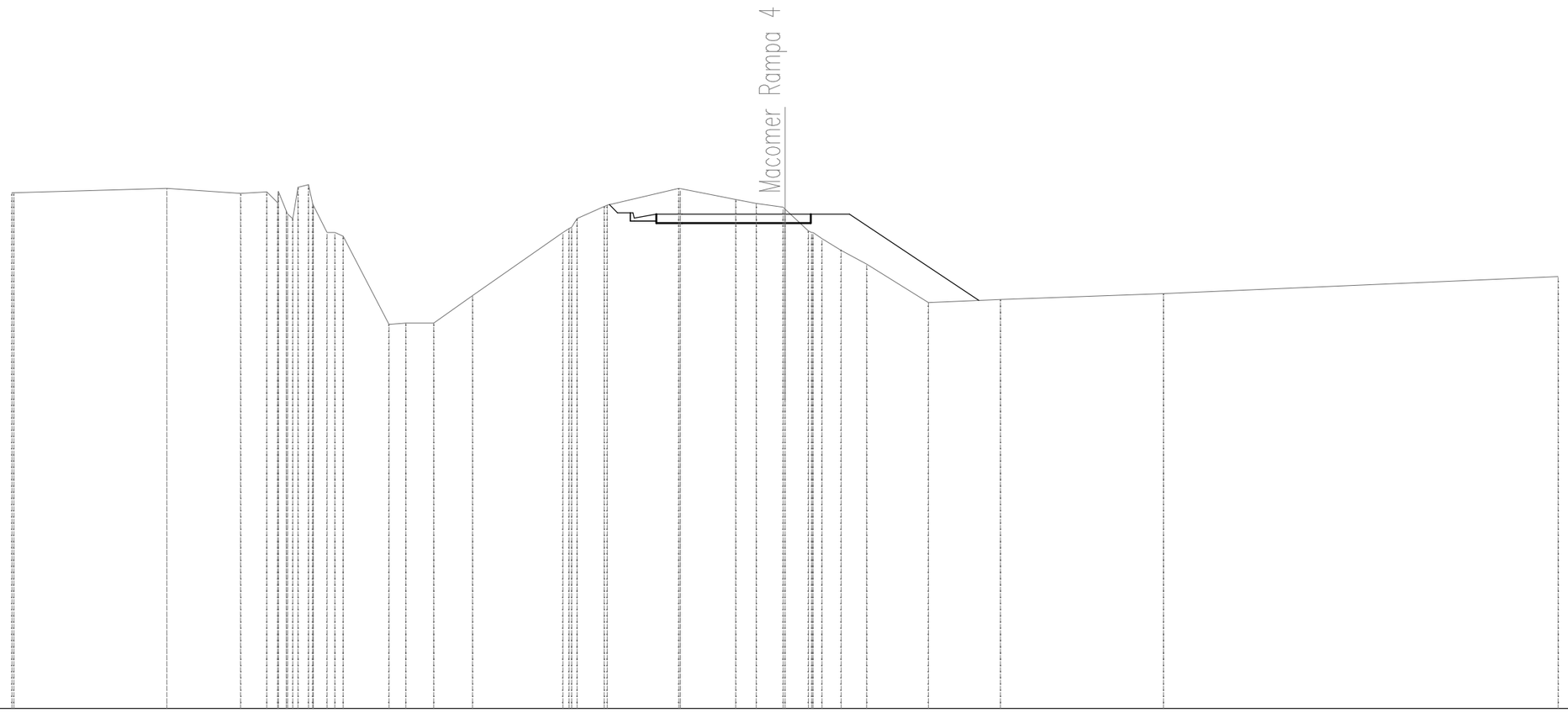
SEZIONE N. : 9
QT. PROGETTO : 510.715
DIST.PROG. : 0+187.843
DIST.PREC. : 12.843



SCALA 1:200

QT.RIF. 491.548

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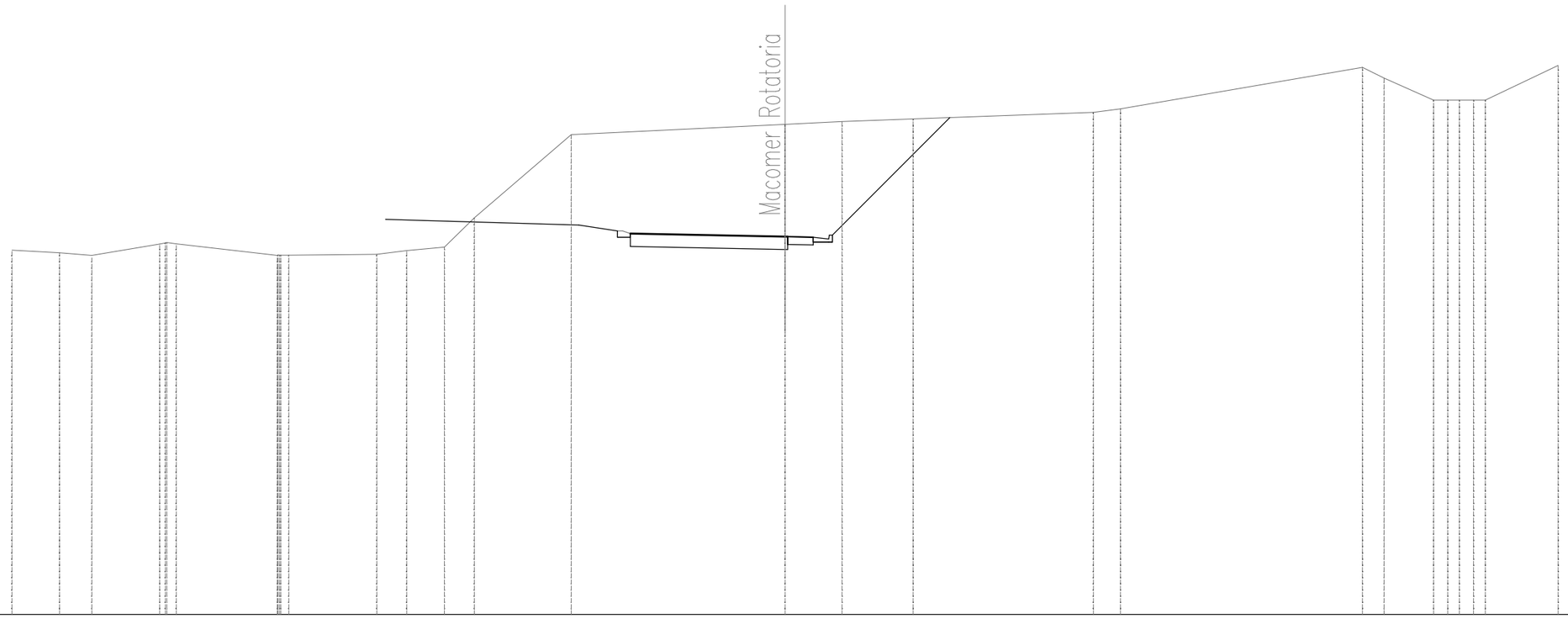
SEZIONE N. : 1
QT. PROGETTO : 500.186
DIST.PROG. : 0+000.000
DIST.SUCC. : 25.000

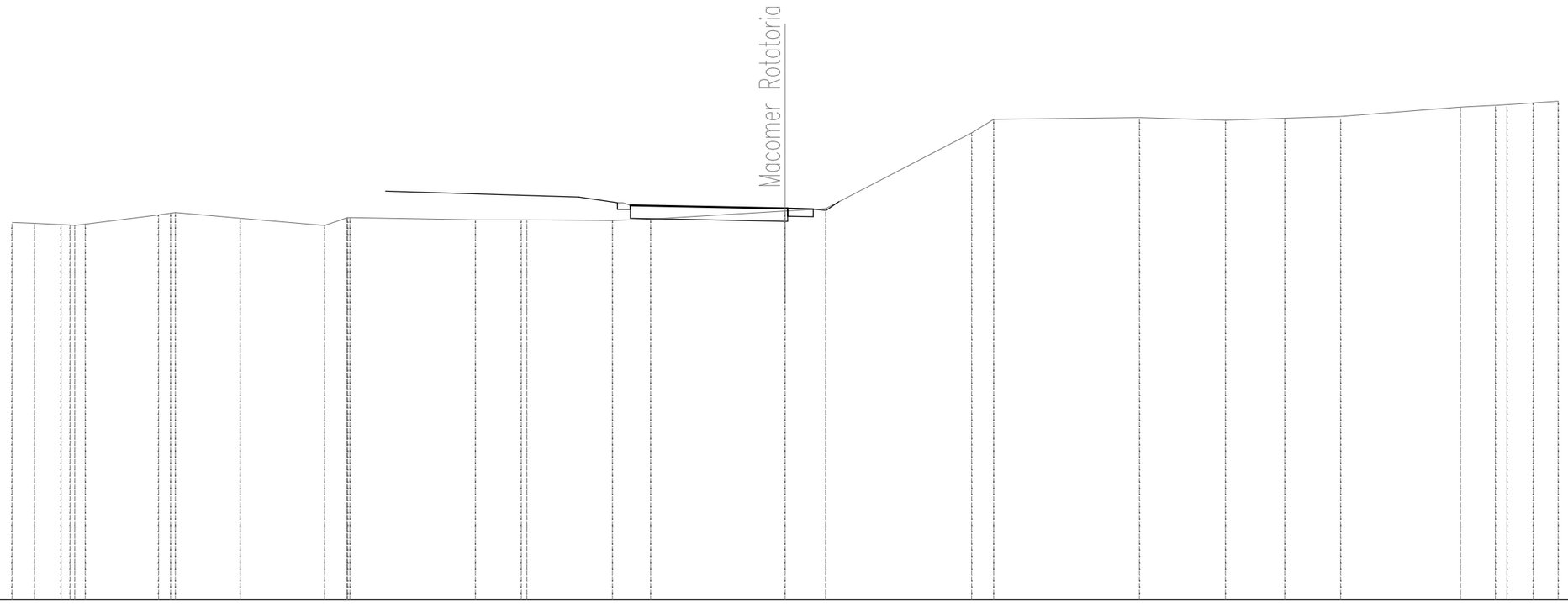


SCALA 1:200

QT.RIF. 485.541

QUOTE TERRENO	499.66	499.56	499.46	499.90	499.91	498.46	498.47	499.50	499.64	499.78	500.91	504.14	504.54	504.64	504.75	505.00	505.14	506.75	506.33	505.48	505.48	505.48	505.48	506.82
DIST.PARZIALI TERRENO		1.84	1.26	2.63		3.93		3.41	1.16	1.47	1.16	3.75	8.30	2.21	2.76	6.99	1.05	9.39	0.84	1.92	0.55	0.55	2.83	
QUOTE PROGETTO								500.86				500.63	500.41	499.81	499.69	499.88	499.97	500.24	504.80					
DIST.PARZIALI PROGETTO								7.50				1.50	0.50	6.00	0.99	0.60	4.55							

SEZIONE N. : 2
QT. PROGETTO : 500.119
DIST.PROG. : 0+025.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000



SCALA 1:200

QT.RIF. 484.968

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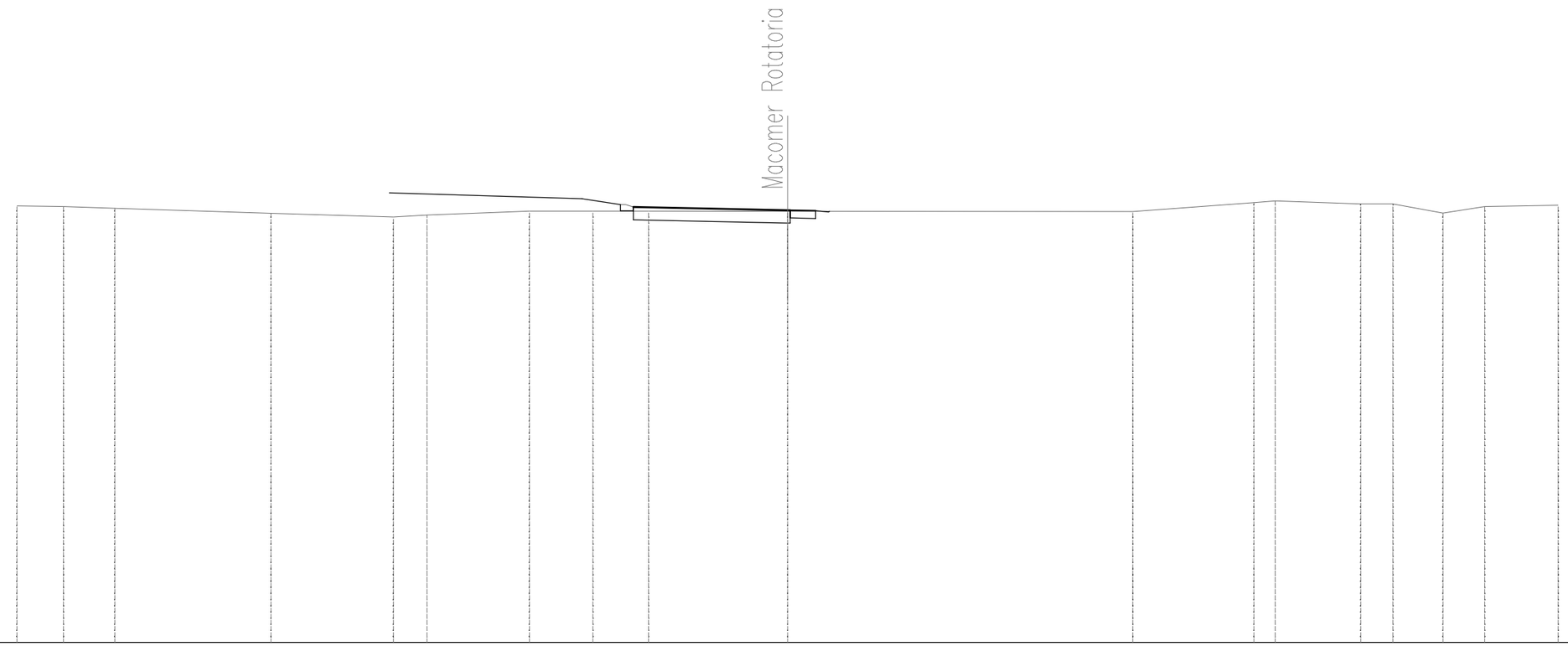
SEZIONE N. : 3
QT. PROGETTO : 499.743
DIST.PROG. : 0+050.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

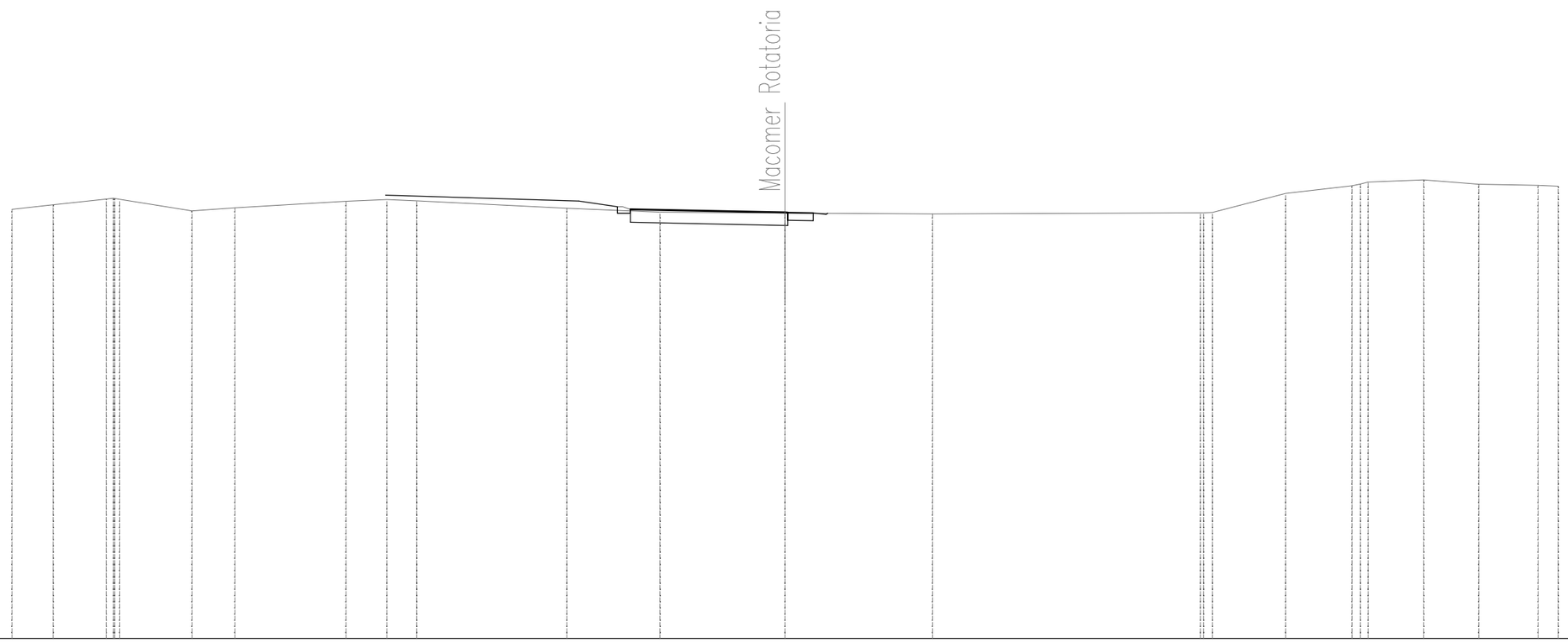


SCALA 1:200

QT.RIF. 482.927

QUOTE TERRENO	499.91	499.88	499.82	499.62	499.48	499.55	499.70	499.70	499.70	499.70	499.69	500.04	500.10	499.99	499.98	499.63	499.89	499.93		
DIST.PARZIALI TERRENO		1.82	2.00	6.07	4.77	1.30	3.99	2.47	2.17	5.41	13.43	4.72	0.83	3.33	1.25	1.94	1.63	2.87		
QUOTE PROGETTO					500.41			500.19	499.96 499.36	499.24 499.44	499.67 499.70									
DIST.PARZIALI PROGETTO						7.50		1.50	0.50	6.00	0.99	0.50								

SEZIONE N. : 4
QT. PROGETTO : 499.399
DIST.PROG. : 0+075.000
DIST.PREC. : 25.000
DIST.SUCC. : 25.000

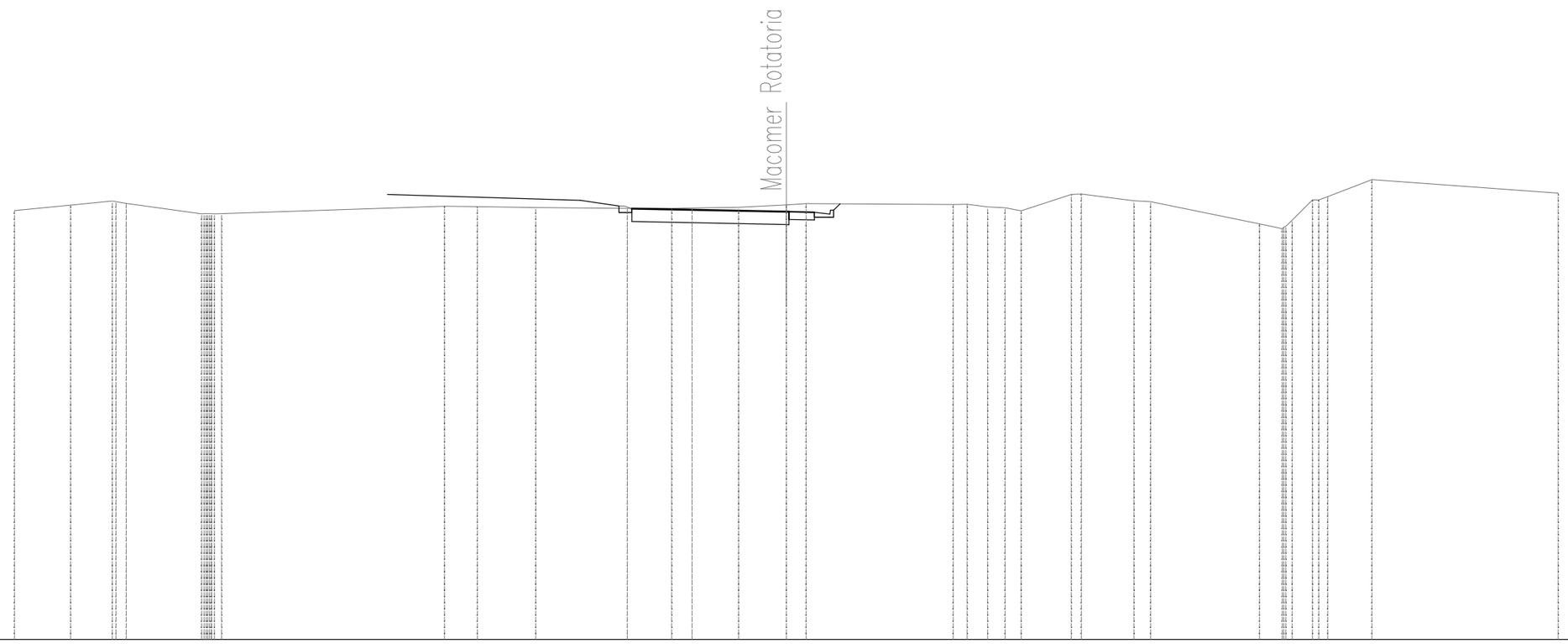


SCALA 1:200

QT.RIF. 482.879

QUOTE TERRENO	499.52	499.70	499.92	499.91	499.46	499.58	499.83	499.90	499.85	499.56	499.41	499.38	499.34	499.38	499.41	500.14	500.44	500.58	500.66	500.50	500.45	500.42	
DIST.PARZIALI TERRENO		1.60	2.05		2.80	1.66	4.32	1.58	1.16	5.82	3.62	4.85	5.72	10.39		2.84	2.57		2.16	2.14	2.30	0.79	
QUOTE PROGETTO								500.07			499.84	499.62 499.02		498.90 499.10 499.33 499.37									
DIST.PARZIALI PROGETTO									7.50		1.50	0.50	6.00	0.99	0.50								

SEZIONE N. : 5
QT. PROGETTO : 499.544
DIST.PROG. : 0+100.000
DIST.PREC. : 25.000
DIST.SUCC. : 40.000



SCALA 1:200

QT.RIF. 482.937

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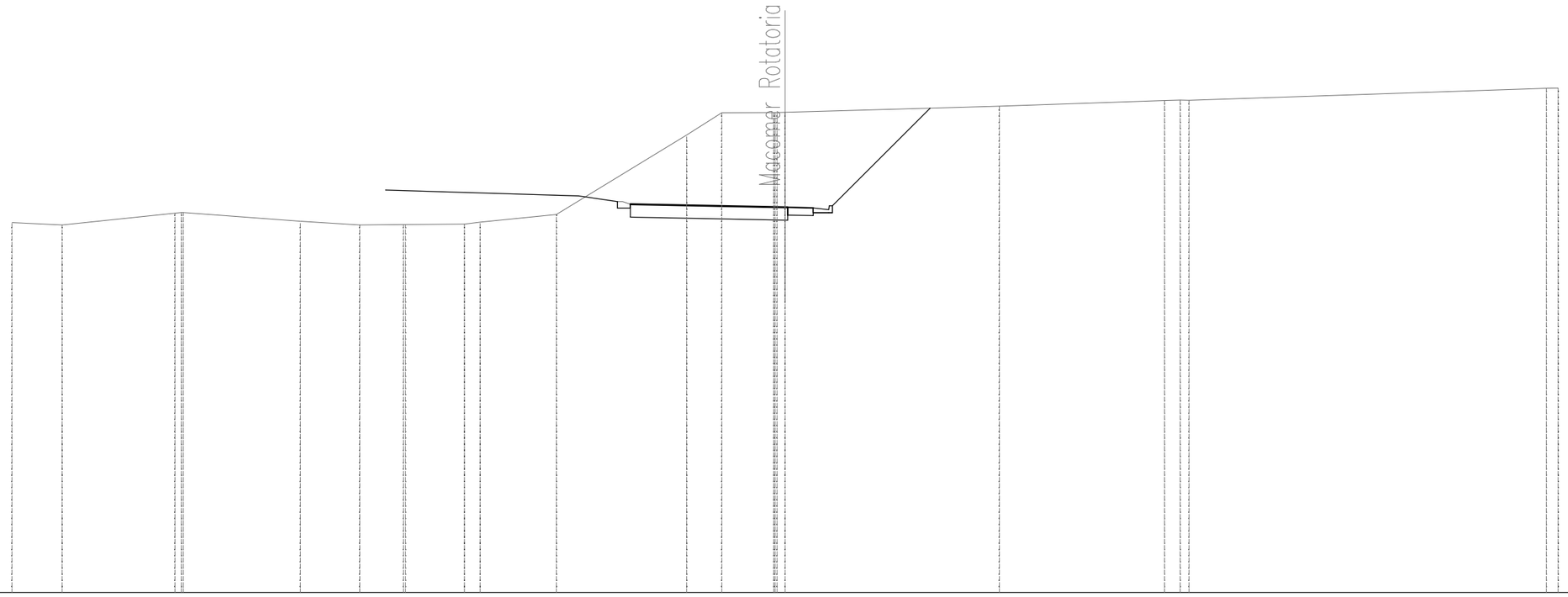
SEZIONE N. : 6
QT. PROGETTO : 500.148
DIST.PROG. : 0+140.000
DIST.PREC. : 40.000
DIST.SUCC. : 10.000

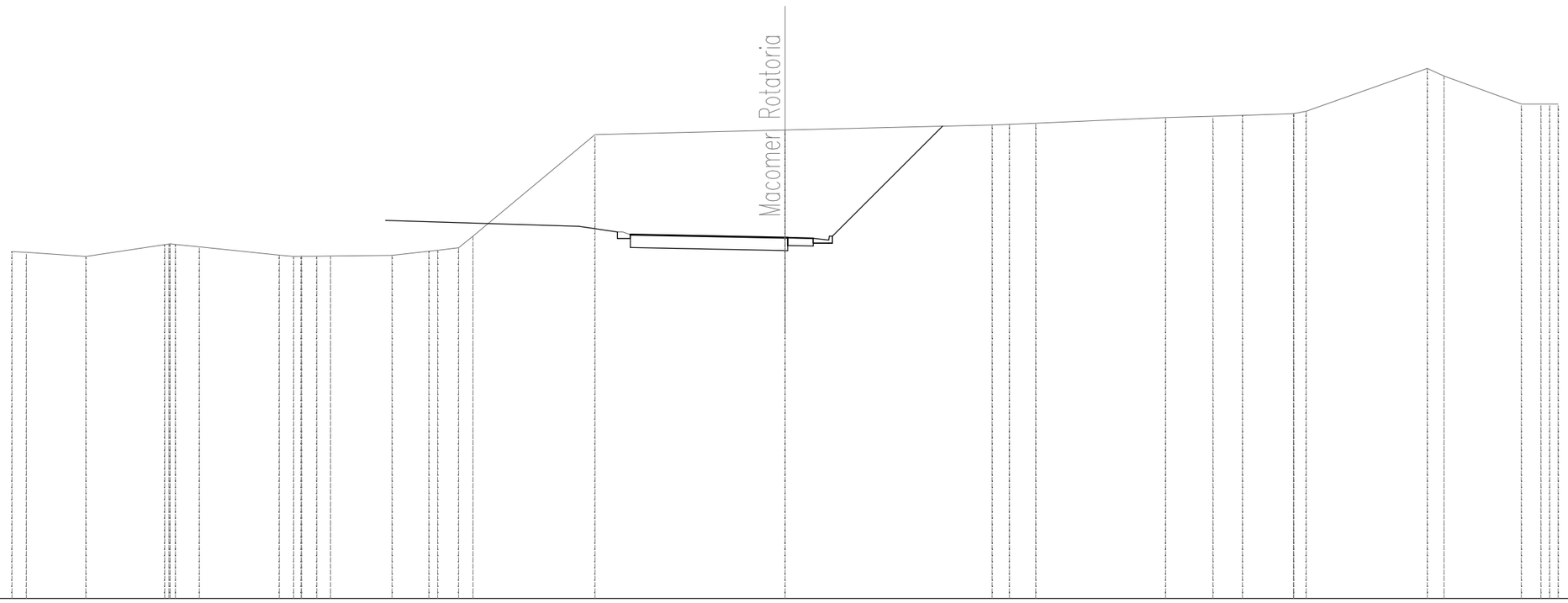


SCALA 1:200

QT.RIF. 485.218

QUOTE TERRENO	499.55	499.46	499.92	499.95	499.61	499.46	499.48	499.48	499.50	499.57	499.87	502.95	503.82	503.83	503.84	504.07	504.29	504.31	504.30	504.77	504.77			
DIST.PARZIALI TERRENO		1.95	4.38		4.54	2.30	1.70	2.28	0.61	2.95	5.06	1.37	2.02		8.31	6.41		0.61	13.87					
QUOTE PROGETTO							500.82				500.59	500.37	499.77	499.65	499.85	499.94	500.21	504.00						
DIST.PARZIALI PROGETTO								7.50			1.50	0.50	6.00		0.99	0.60	3.79							

SEZIONE N. : 7
QT. PROGETTO : 500.186
DIST.PROG. : 0+150.000
DIST.PREC. : 10.000
DIST.SUCC. : 7.080



SCALA 1:200

QT.RIF. 486.204

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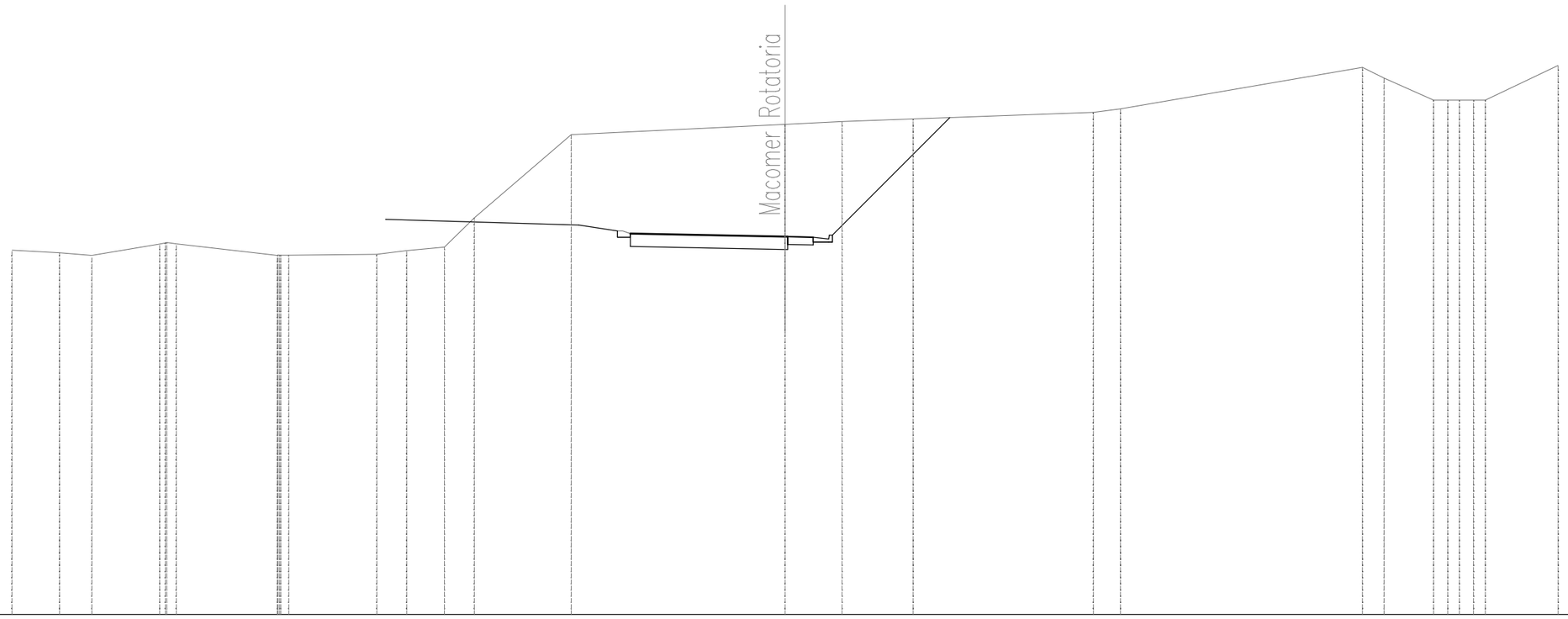
SEZIONE N. : 8
QT. PROGETTO : 500.186
DIST.PROG. : 0+157.080
DIST.PREC. : 7.080



SCALA 1:200

QT.RIF. 485.541

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