REGIONE TOSCANA

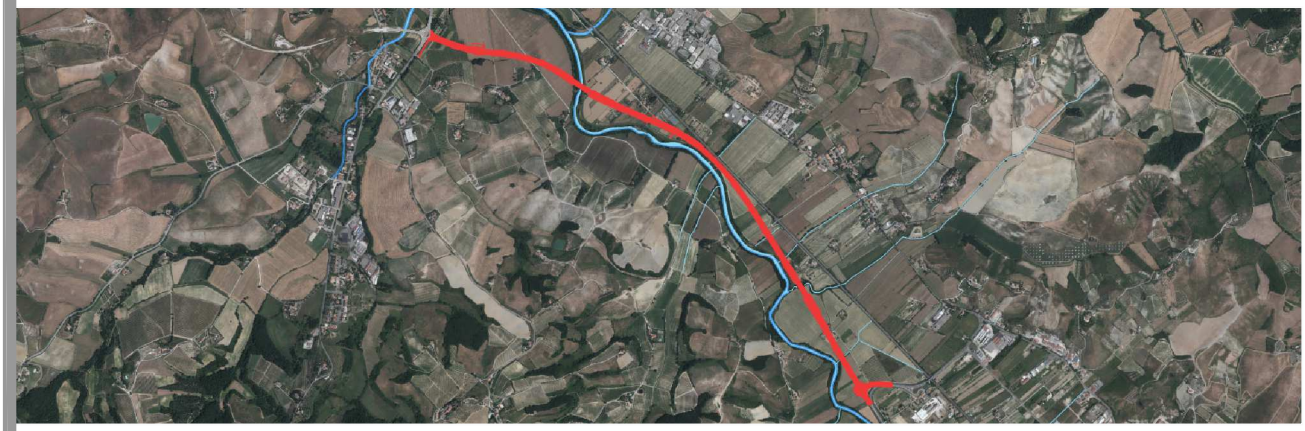
ASSESSORATO INFRASTRUTTURE, MOBILITA', URBANISTICA E POLITICHE ABITATIVE

DIREZIONE DELLE POLITICHE MOBILITA' INFRASTRUTTURE E TRASPORTO PUBBLICO LOCALE

SETTORE PROGETTAZIONE E REALIZZAZIONE VIABILITA' REGIONALE FIRENZE - PRATO - PISTOIA

PROGETTO DEFINITIVO

VARIANTE ALLA SRT 429 DI VAL D'ELSA LOTTO 3
TRATTO CERTALDO - CASTELFIORENTINO
TRA LO SVINCOLO CERTALDO OVEST E LO SVINCOLO CON LA S.P. VOLTERRANA



CARTELLA

CL - Cassa di Laminazione a corredo della Variante alla SRT 429 Lotto 3

OGGETTO DELL'ELABORATO

SEZIONI ARGINI CASSA DI LAMINAZIONE SUD "CASINO D'ELSA" - STRALCIO A - STATO SOVRAPPOSTO

RESPONSABILE DEL PROCEDIMENTO
Ing. Antonio DE CRESCENZO

C.D.P. COORDINAMENTO DIREZIONE DI PROGETTO
Ing. Alessandro SILVIETTI
Ing. Iacopo MAZZONI

SUPPORTO AL RUP
Dott. Aldo PARISI

COLLABORATORI
(In ordine alfabetico)
Geom. Federico ANZUINI
Dis. Francesca BELLINI
Geom. Alessandro INNOCENTI
Dis. Edi Antonella MATTIOLI
Dis. Ligia del Pilar MONTALVO

IL PROGETTISTA DELL'ATTIVITA' SPECIALISTICA
Dott. Ing. Mario DANERI

ATTIVITA' SPECIALISTICHE
(In ordine dell'elenco elaborati)

GEOLOGIA E GEOTECNICA
IDROGEO Engineering & Consulting

IDROLOGIA E IDRAULICA
DA. SA. Ingegneria s.r.l.

RILIEVI PLANOALTIMETRICI - PIANO PARTICELLARE
GDEC s.r.l.

PROGETTO STRADALE
DLA Associati

PROGETTO STRUTTURE - OPERE D'ARTE
Studio Tecnico Ing. Salvatore Giacomo Morano

MITIGAZIONE AMBIENTALE E OPERE A VERDE
ALEPH

PIANO DI SICUREZZA E COORDINAMENTO (PSC)
Studio Tecnico Ing. Claudio Consorti

VERIFICA DI ASSOGGETTABILITA' A V. I. A.
TECNOCREO Società di Ingegneria

PROGETTO DEFINITIVO REDATTO DA

Luglio 2013

REVISIONATO 15.30 , 27/07/2018

FASE	CARTELLA	ELABORATO	PROGRESS	REV	NOME FILE e DATA DI AGGIORNAMENTO (yymmdd)	SCALA
D	CL	17	01	4	D_CL1701_4SezArgine_CSud_sovrapp_L1_190130	1 : 100

NOTE DI STAMPA:	A3	P.R.S INTERVENTO :	ID 832	C.U.P

REVISIONE	DATA	MOTIVAZIONE	REDATTO	VERIFICATO	C.D.P.
4	Gennaio 2019	Emissione	Uzzani	Uzzani	Silvietti

Firme

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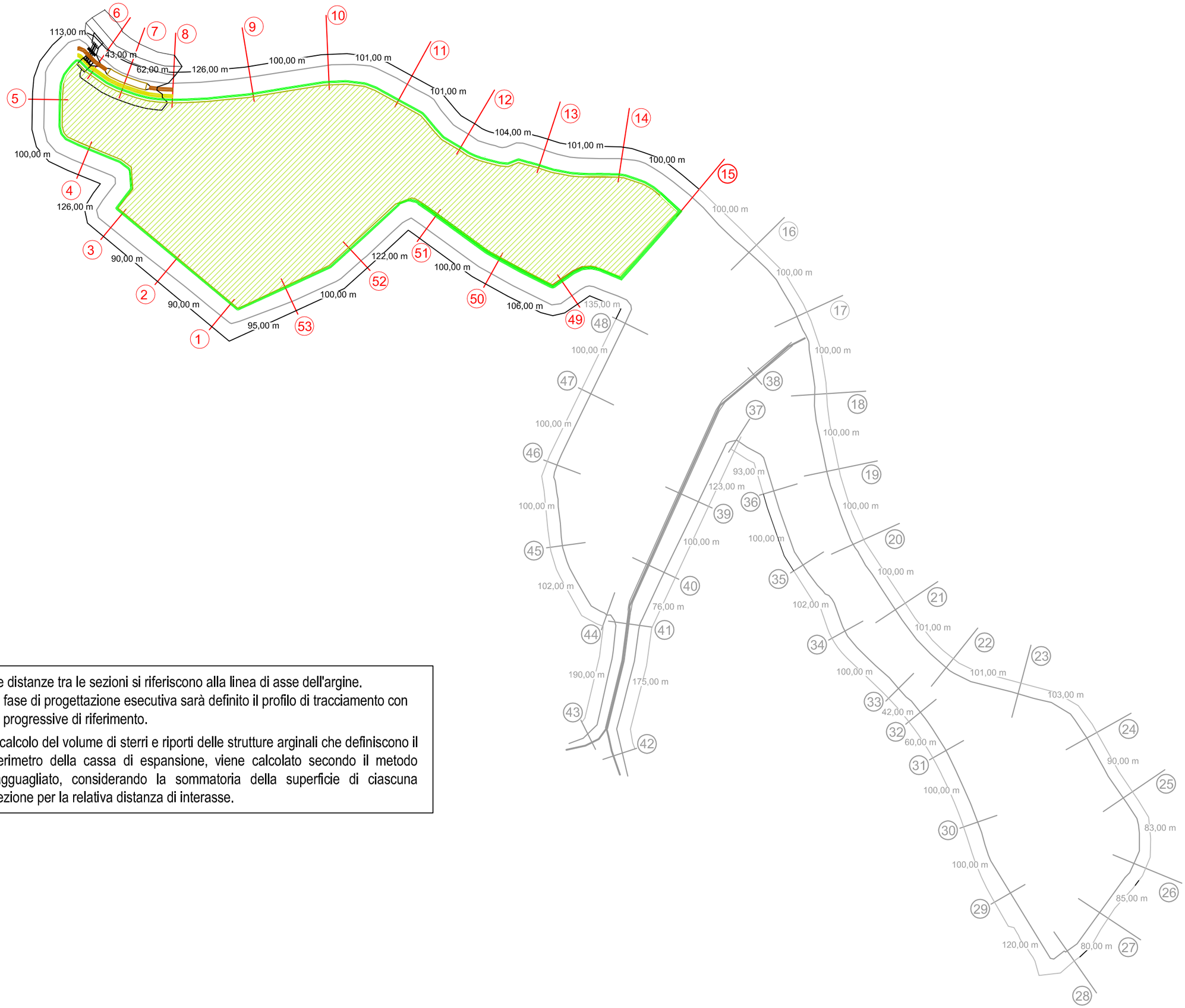


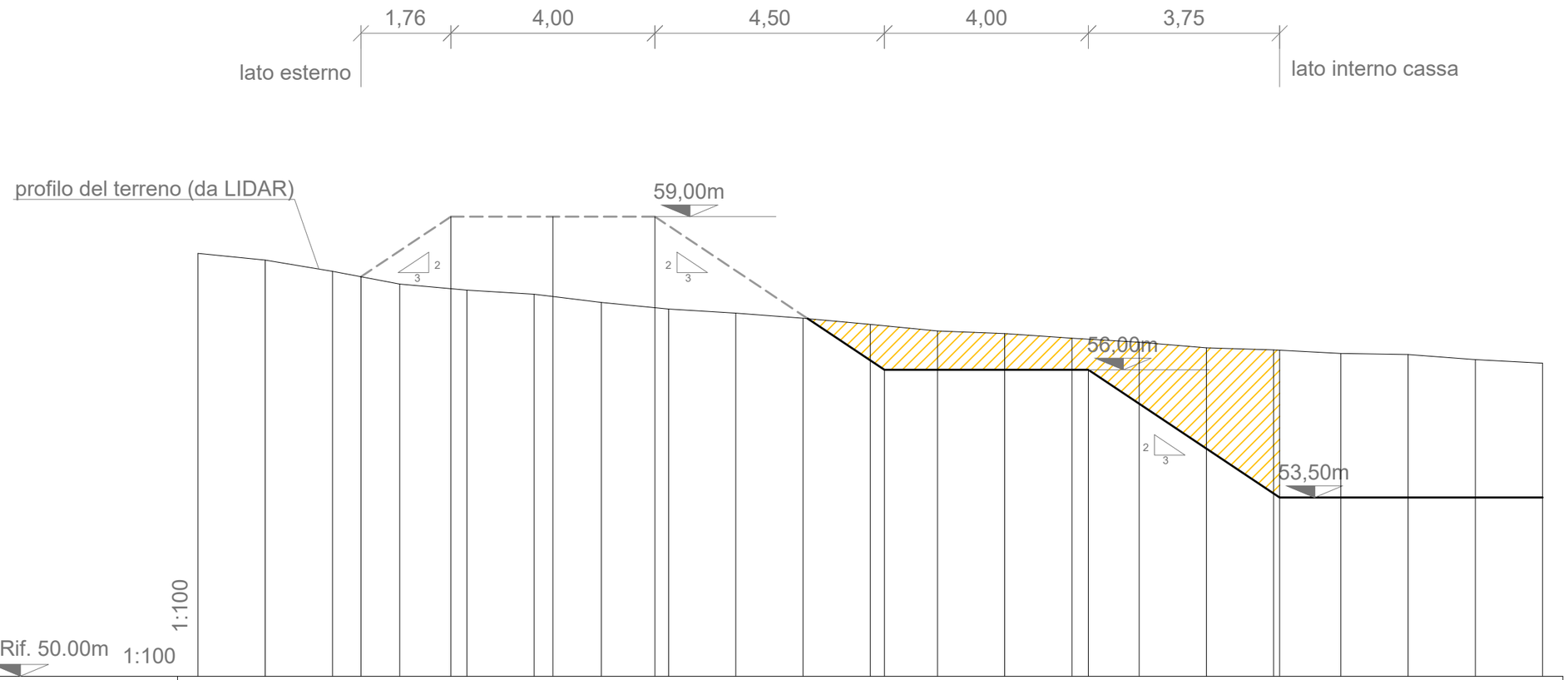
N.B. Le distanze tra le sezioni si riferiscono alla linea di asse dell'argine.
In fase di progettazione esecutiva sarà definito il profilo di tracciamento con le progressive di riferimento.

N.B. Il calcolo del volume di sterri e riporti delle strutture arginali che definiscono il perimetro della cassa di espansione, viene calcolato secondo il metodo ragguagliato, considerando la sommatoria della superficie di ciascuna sezione per la relativa distanza di interasse.

Sezione 1-1

interasse di riferimento: 92,50 ml

superficie unitaria di sterro: 10,02 mq



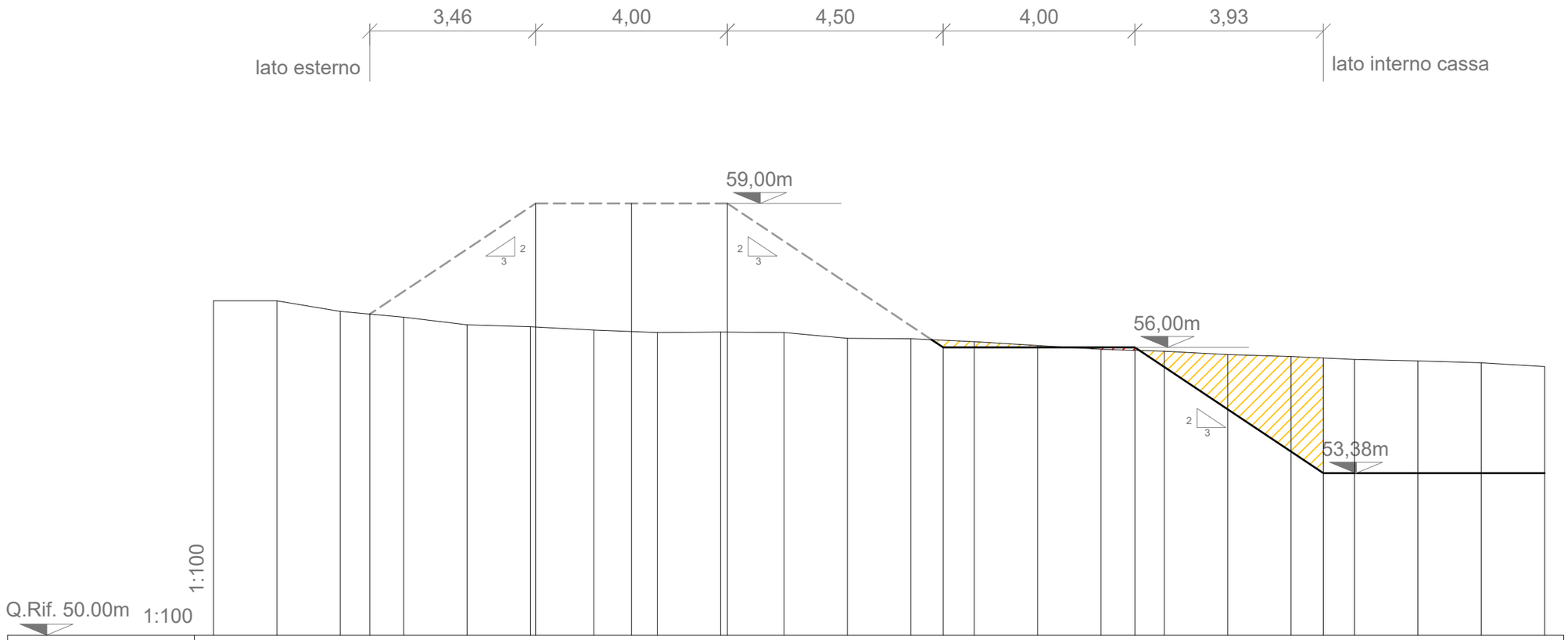
Dist. Progressive	6.96	5.64	4.32	3	1.69	0.37	0	0.95	2.27	3.59	4.9	6.22	7.54	8.86	10.18	11.5	12.81	14.13	15.45	16.77	18.09	19.4
Dist. Parziali		1.32	1.32	1.32	1.32	1.32	0.37	0.95	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	
Quote terreno	58.28	58.15	57.93	57.68	57.56	57.48	57.44	57.32	57.19	57.11	57.01	56.89	56.76	56.71	56.62	56.54	56.43	56.39	56.32	56.3	56.2	56.13

Dist. Progressive				3.76		2		0		2				6.5				10.5				14.25						19.4
Dist. Parziali					1.76		2		2			4.5				4			3.75				5.15				
Quote progetto				57.82		59		59		59				56				56				53.5						53.5

Sezione 2-2

interasse di riferimento: 90,00 ml

superficie unitaria di sterro: 4,82 mq



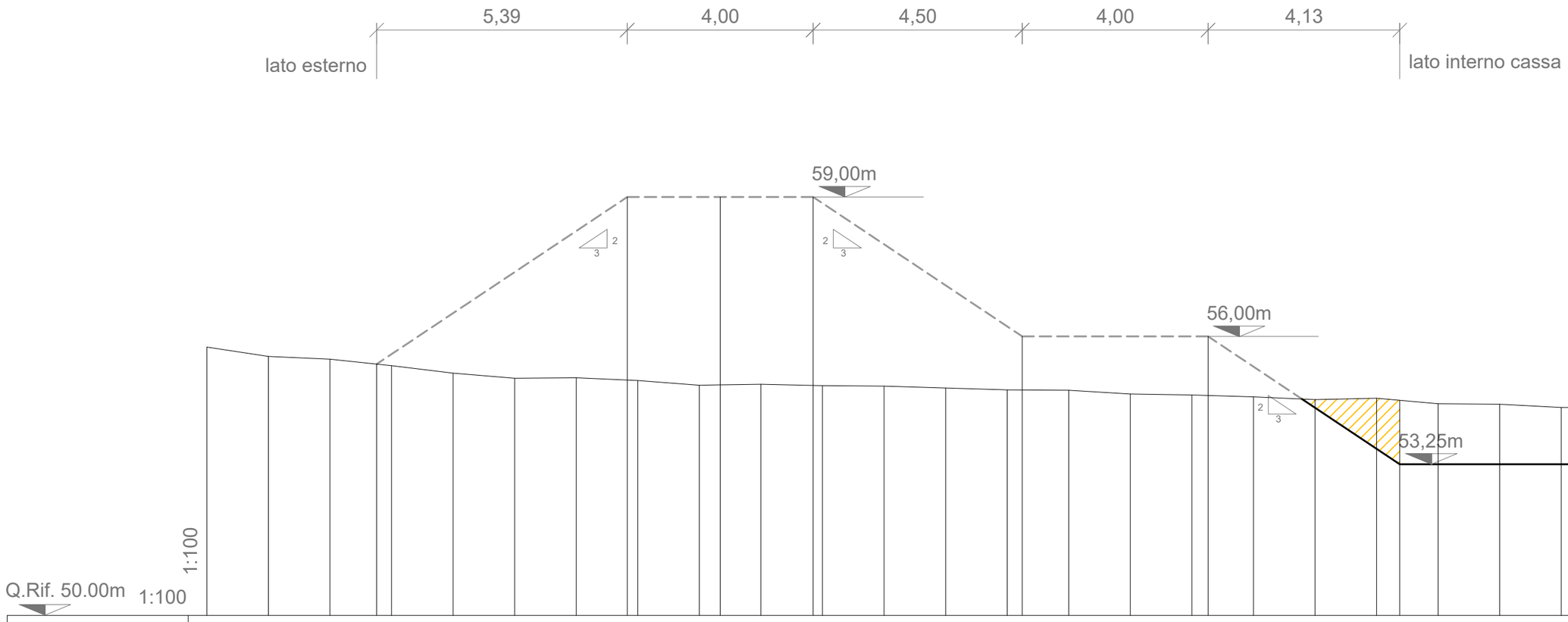
Dist. Progressive	8.72	7.39	6.07	4.75	3.43	2.11	0.78	0	0.54	1.86	3.18	4.5	5.83	7.15	8.47	9.79	11.11	12.44	13.76	15.08	16.4	17.72	19.05
Dist. Parziali	1.32	1.32	1.32	1.32	1.32	1.32	0.78	0.54	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	
Quote terreno	56.97	56.97	56.75	56.63	56.47	56.43	56.36	56.33	56.31	56.32	56.31	56.19	56.18	56.12	56.04	55.96	55.92	55.85	55.81	55.75	55.72	55.68	55.6

Dist. Progressive	5.46	2	0	2	6.5	10.5	14.43	19.05
Dist. Parziali	3.46	2	2	4.5	4	3.93	4.62
Quote progetto	56.69	59	59	59	56	56	53.38	53.38

Sezione 3-3

interasse di riferimento: 107,50 ml

superficie unitaria di sterro: 1,47 mq



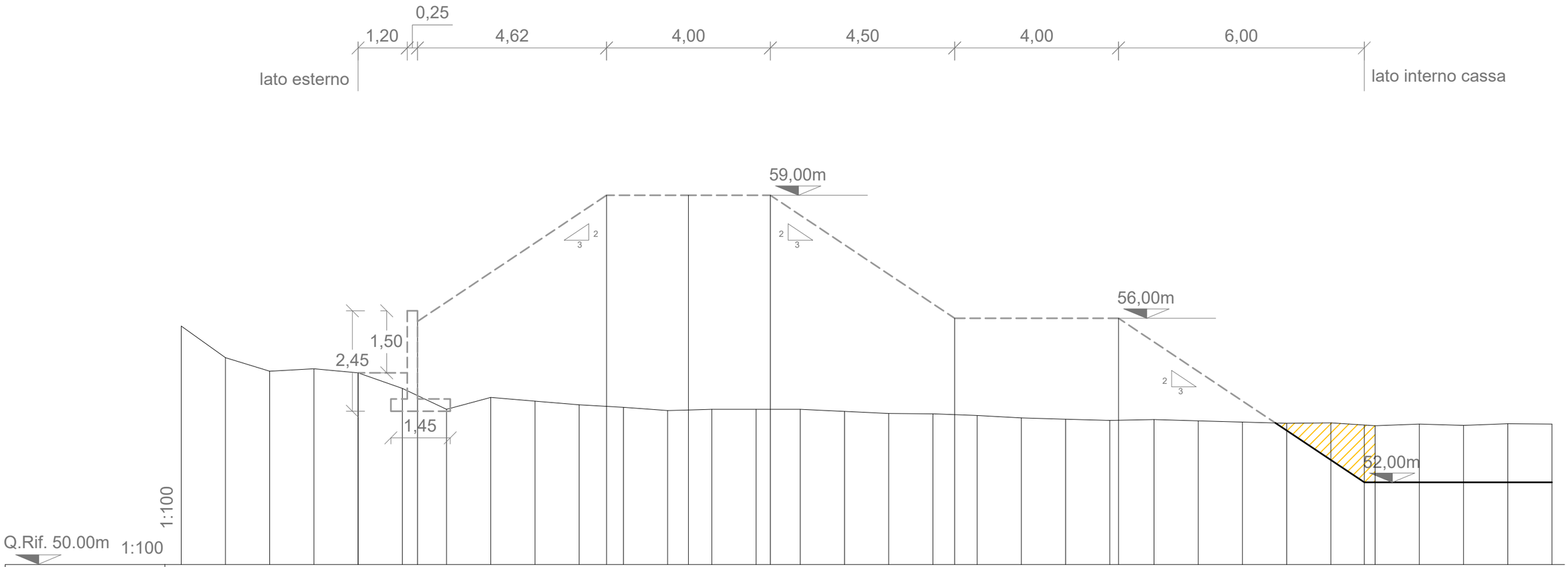
Dist. Progressive	11.05	9.72	8.4	7.07	5.75	4.42	3.1	1.77	0.45	0	0.88	2.2	3.53	4.85	6.18	7.5	8.83	10.15	11.48	12.8	14.13	15.45	16.78	18.1	19.43
Dist. Parziali	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.45	0.88	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	
Quote terreno	55.77	55.57	55.51	55.37	55.21	55.1	55.11	55.05	54.95	54.96	54.97	54.94	54.93	54.89	54.85	54.84	54.76	54.74	54.7	54.64	54.67	54.55	54.54	54.47	54.47

Dist. Progressive				7.39				2		0		2			6.5			10.5			14.63				19.43
Dist. Parziali					5.39				2		2		4.5			4			4.13			4.8			
Quote progetto				55.4				59		59		59			56			56			53.25				53.25

Sezione 4-4

interasse di riferimento: 112,50 ml

superficie unitaria di sterro: 1,91 mq



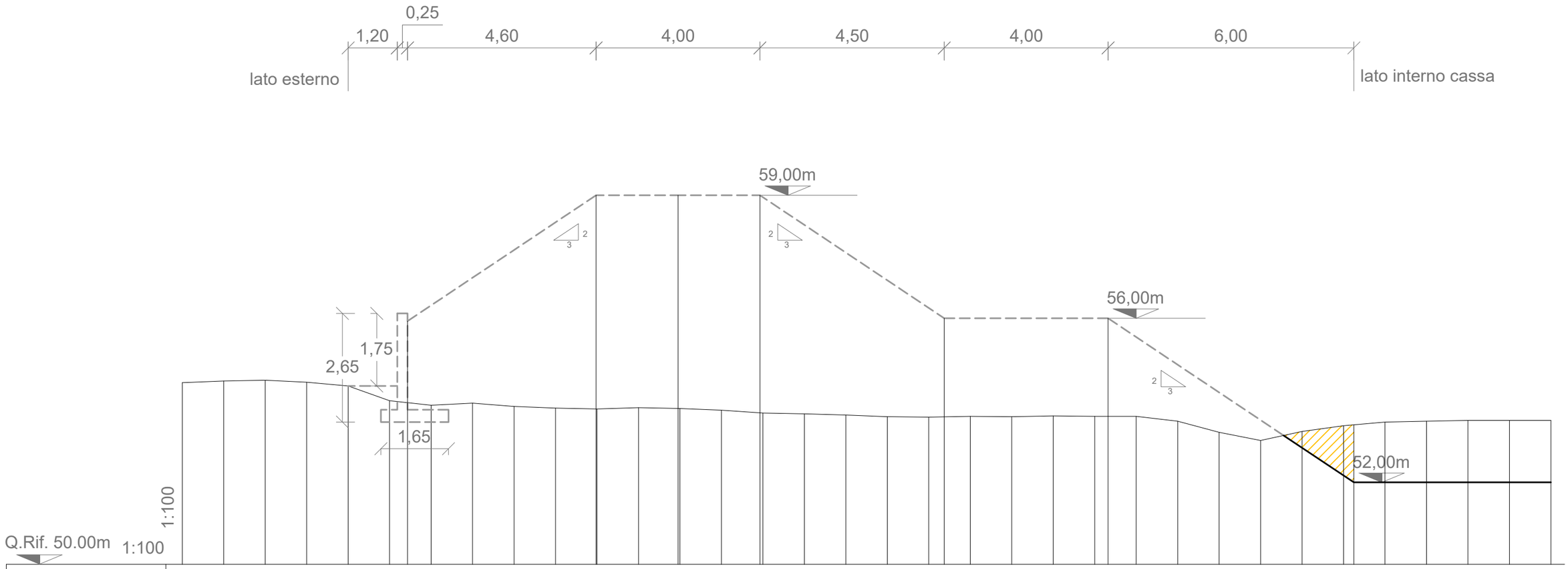
Dist. Progressive	12.38	11.31	10.23	9.15	8.07	6.99	5.91	4.83	3.75	2.67	1.59	0.51	0	0.57	1.65	2.73	3.81	4.89	5.97	7.05	8.13	9.21	10.29	11.37	12.44	13.52	14.6	15.68	16.76	17.84	18.92	20	21.08
Dist. Parziali		1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.51	0.57	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	
Quote terreno	55.81	55.04	54.71	54.77	54.67	54.29	53.78	54.07	53.98	53.89	53.83	53.75	53.76	53.78	53.78	53.78	53.74	53.69	53.67	53.64	53.58	53.55	53.51	53.53	53.51	53.48	53.44	53.46	53.39	53.42	53.39	53.44	53.42
Dist. Progressive					8.07	6.62					2		0		2					6.5			10.5						16.5				21.08
Dist. Parziali						1.45	4.62				2		2			4.5				4			6						4.58				
Quote progetto					54.67	55.92					59		59		59					56			56						52				52

Sezione 5-5

interasse di riferimento: 106,50 ml

superficie unitaria di riporto: 69,90 mq

superficie unitaria di sterro: 1,23 mq



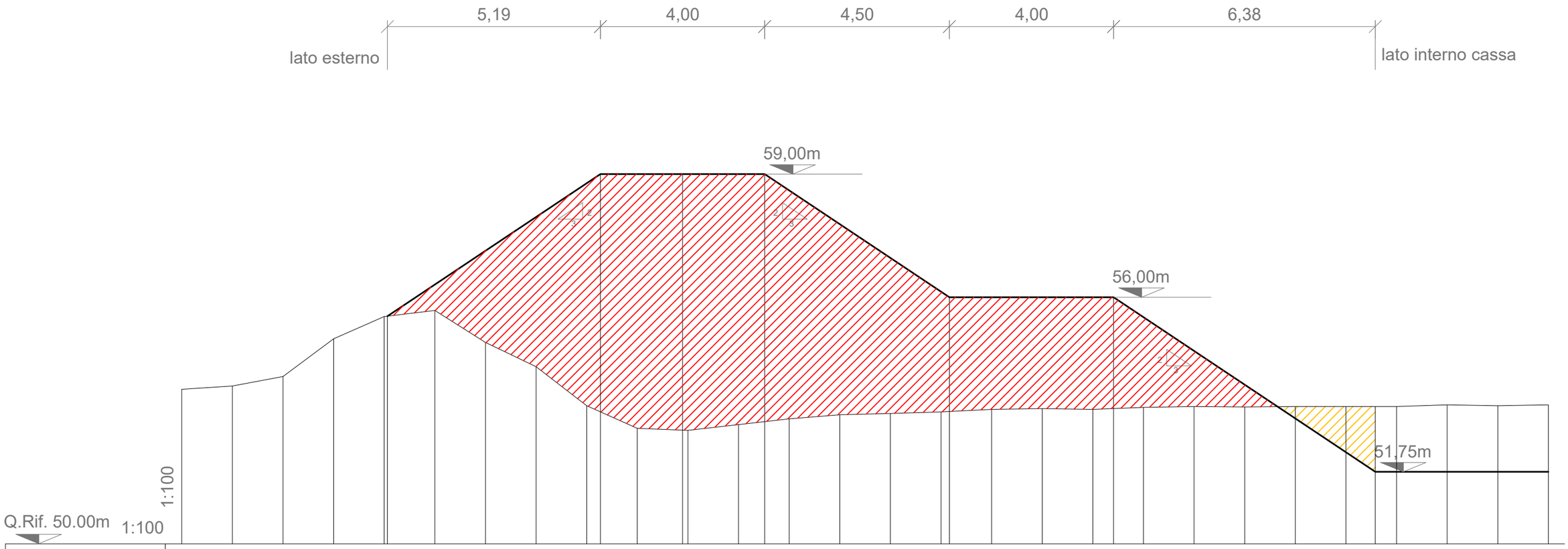
Dist. Progressive	12.1	11.09	10.08	9.07	8.05	7.04	6.03	5.02	4	2.99	1.98	0.97	0.05	1.06	2.07	3.09	4.1	5.11	6.12	7.14	8.15	9.16	10.17	11.19	12.2	13.21	14.22	15.24	16.25	17.26	18.27	19.29	20.3	21.31
Dist. Parziali		1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.97 0.05	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
Quote terreno	54.43	54.47	54.49	54.44	54.35	53.99	53.88	53.93	53.85	53.81	53.79	53.82	53.8 53.8	53.76	53.69	53.67	53.64	53.6	53.59	53.61	53.6	53.62	53.61	53.61	53.49	53.22	53.02	53.24	53.38	53.47	53.49	53.51	53.51	53.51	
Dist. Progressive					8.05	6.6					2		0		2					6.5			10.5						16.5						21.31
Dist. Parziali						1.45		4.6				2		2			4.5				4				6					4.81					
Quote progetto					54.35	55.93					59		59		59					56			56						52						52

Sezione 6-6

interasse di riferimento: 69,00 ml

superficie unitaria di riporto: 73,66 mq

superficie unitaria di sterro: 1,90 mq



Dist. Progressive	12.2	10.97	9.73	8.5	7.27	6.04	4.8	3.57	2.34	1.1	0.13	1.36	2.6	3.83	5.06	6.3	7.53	8.76	9.99	11.23	12.46	13.69	14.93	16.16	17.39	18.63	19.86	21.09
Dist. Parziali		1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.1	0.13	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
Quote terreno	53.76	53.84	54.07	54.99	55.53	55.68	54.9	54.31	53.36	52.81	52.76	52.9	53.04	53.14	53.17	53.21	53.27	53.29	53.27	53.32	53.34	53.33	53.34	53.34	53.34	53.38	53.36	53.38

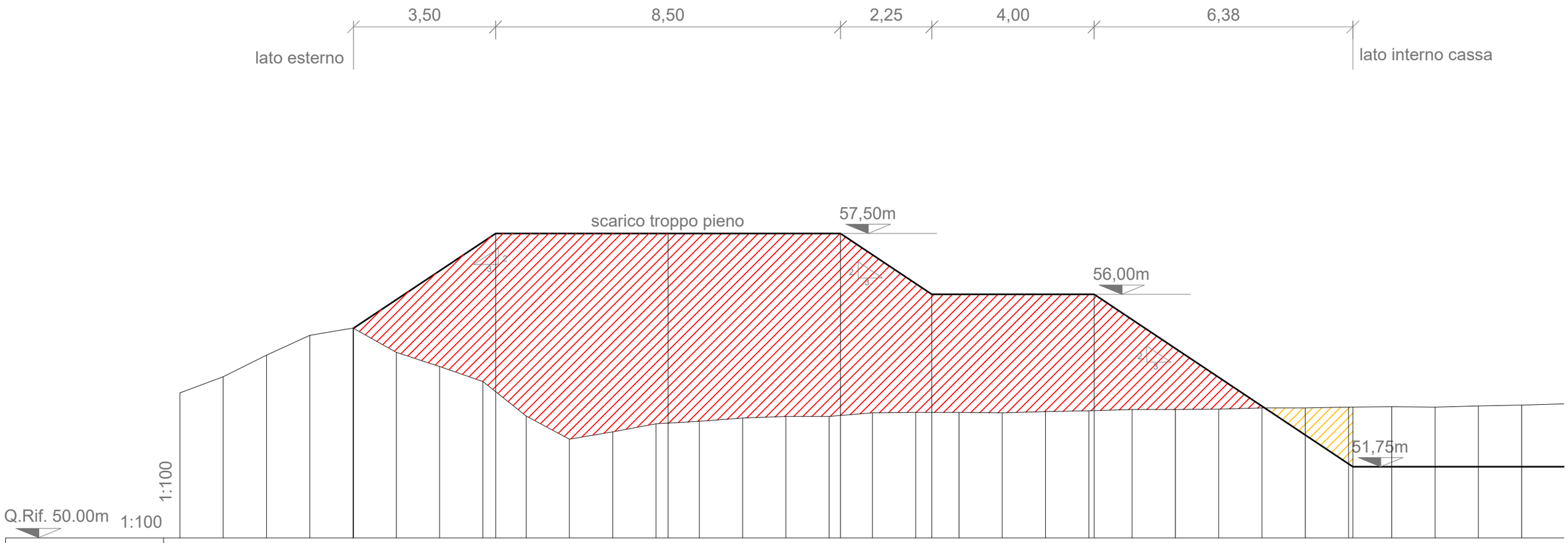
Dist. Progressive	7.19	2	0	2	6.5	10.5	16.88	21.09
Dist. Parziali	5.19	2	2	4.5	4	6.38	4.21	
Quote progetto	55.54	59	59	59	56	56	51.75	51.75

Sezione 7-7

interasse di riferimento: 51,00 ml

superficie unitaria di riporto: 72,24 mq

superficie unitaria di sterro: 1,59 mq



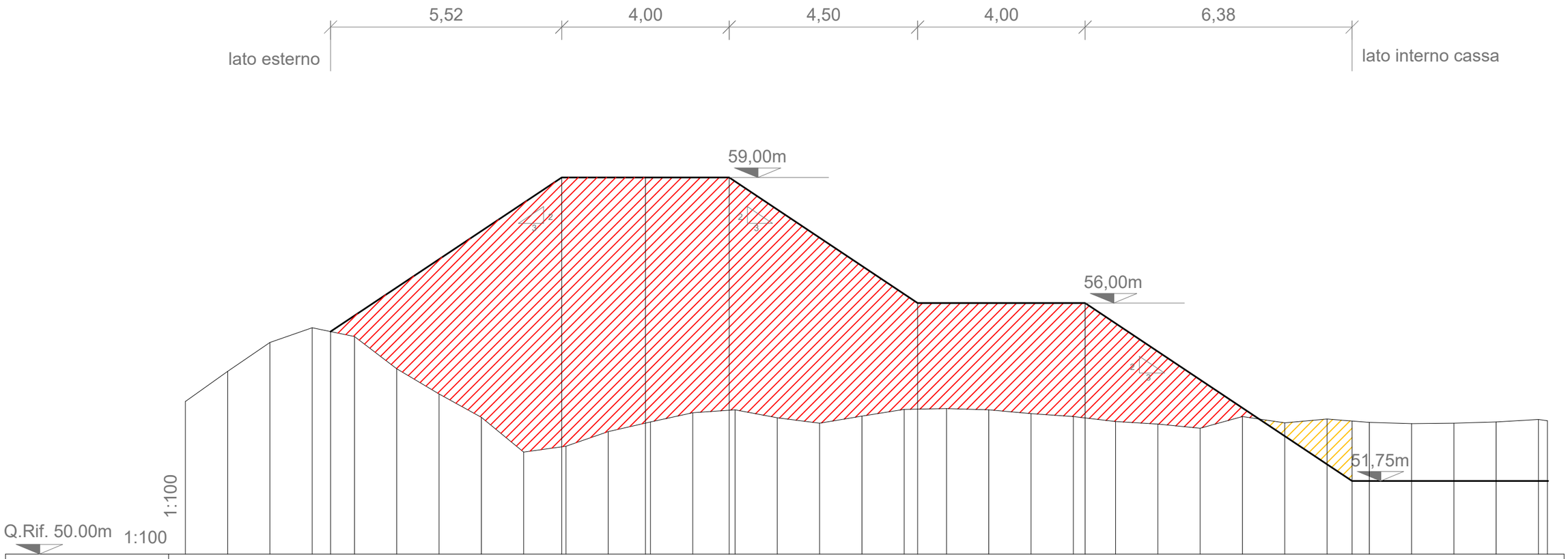
Dist. Progressive	12.03	10.96	9.9	8.83	7.76	6.7	5.63	4.56	3.5	2.43	1.36	0.3	0	0.77	1.84	2.9	3.97	5.04	6.1	7.17	8.24	9.3	10.37	11.44	12.5	13.57	14.64	15.7	16.77	17.84	18.9	19.97	21.04	22.1
Dist. Parziali		1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.3	0.77	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Quote terreno	53.57	53.97	54.5	54.99	55.17	54.57	54.22	53.85	53	52.43	52.61	52.81	52.83	52.87	52.95	52.99	52.99	53.08	53.09	53.09	53.08	53.11	53.13	53.16	53.16	53.17	53.2	53.2	53.22	53.23	53.22	53.25	53.27	53.3
Dist. Progressive					7.75			4.25				0					4.25		6.5				10.5						16.88					22.1
Dist. Parziali						3.5			4.25				4.25					2.25		4				6.38						5.23				
Quote progetto					55.16			57.5				57.5					57.5		56				56						51.75					51.75

Sezione 8-8

interasse di riferimento: 80,00 ml

superficie unitaria di riporto: 77,73 mq

superficie unitaria di sterro: 1,56 mq

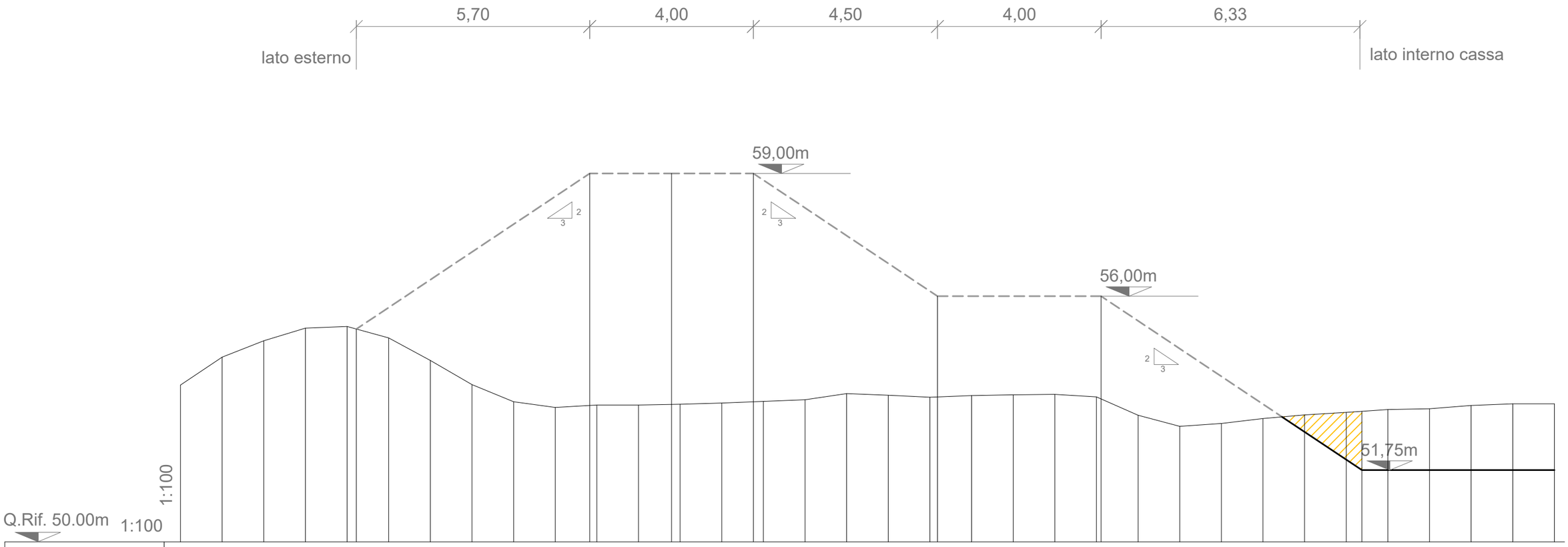


Dist. Progressive	10.99	9.98	8.97	7.96	6.95	5.94	4.93	3.92	2.91	1.9	0.89	0.12	1.13	2.14	3.15	4.16	5.17	6.18	7.19	8.2	9.21	10.22	11.23	12.24	13.25	14.26	15.27	16.28	17.29	18.3	19.31	20.32	21.33	21.54						
Dist. Parziali		1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.89	0.12	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.21						
Quote terreno	53.65	54.37	55.06	55.41	55.2	54.43	53.83	53.27	52.44	52.58	52.93	53.16	53.38	53.45	53.26	53.13	53.3	53.46	53.48	53.45	53.36	53.29	53.17	53.11	53.01	53.29	53.14	53.23	53.15	53.12	53.13	53.16	53.22	53.19						
Dist. Progressive				7.52						2		0		2				6.5				10.5							16.88						21.56					
Dist. Parziali					5.52						2		2		4.5				4				6.38							4.68										
Quote progetto				55.32						59		59		59				56				56							51.75						51.75					

Sezione 9-9

interasse di riferimento: 100,00 ml

superficie unitaria di sterro: 1,41 mq



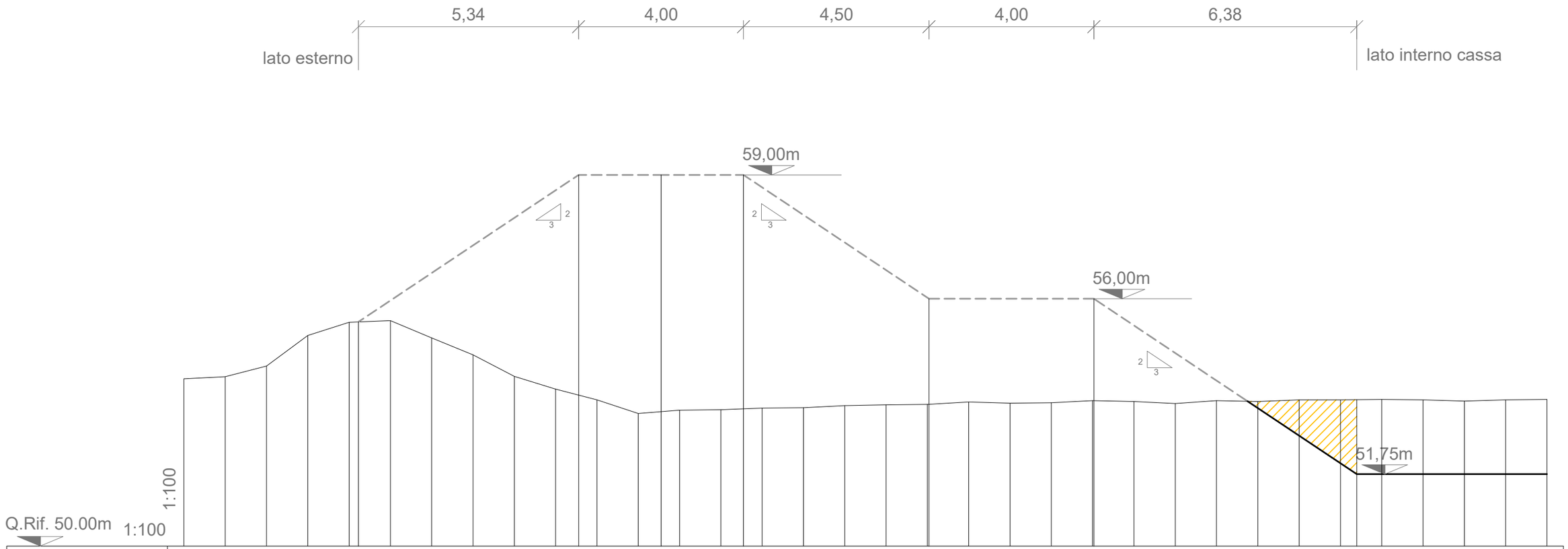
Dist. Progressive	12	10.99	9.97	8.95	7.93	6.91	5.9	4.88	3.86	2.84	1.83	0.81	0	0.21	1.23	2.24	3.26	4.28	5.3	6.32	7.33	8.35	9.37	10.39	11.4	12.42	13.44	14.46	15.48	16.49	17.51	18.53	19.55	20.56	21.58
Dist. Parziali		1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.81	0.21	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	
Quote terreno	53.83	54.51	54.91	55.22	55.26	54.98	54.43	53.84	53.42	53.28	53.34	53.34	53.36	53.38	53.39	53.43	53.47	53.62	53.58	53.53	53.57	53.59	53.6	53.54	53.09	52.82	52.89	53.01	53.1	53.16	53.23	53.25	53.33	53.37	53.37

Dist. Progressive	7.7	2	0	2	6.5	10.5	16.88	21.58
Dist. Parziali	5.7	2	2	4.5	4	6.38	4.71
Quote progetto	55.2	59	59	59	56	56	51.75	51.75

Sezione 10-10

interasse di riferimento: 100,50 ml

superficie unitaria di sterro: 2,40 mq

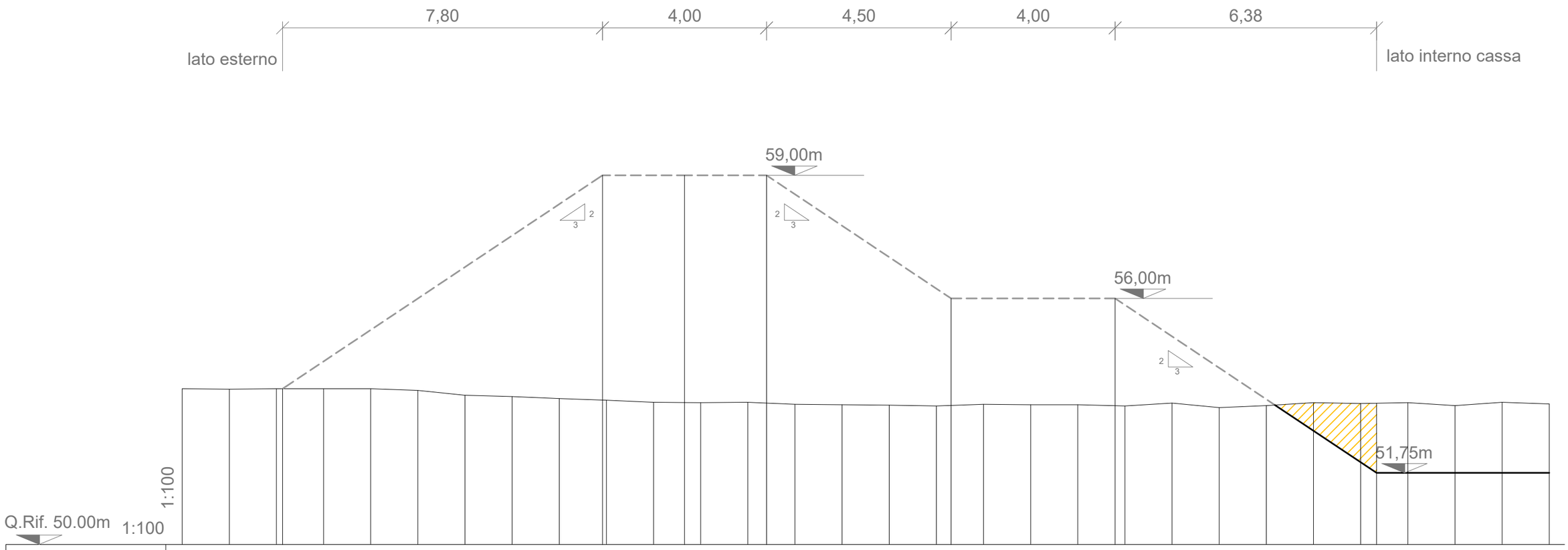


Dist. Progressive	11.58	10.57	9.57	8.57	7.57	6.57	5.56	4.56	3.56	2.56	1.56	0.55	0	0.45	1.45	2.45	3.45	4.46	5.46	6.46	7.46	8.46	9.47	10.47	11.47	12.47	13.47	14.48	15.48	16.48	17.48	18.48	19.49	20.49	21.49	
Dist. Parziali		1	1	1	1	1	1	1	1	1	1	1	0.55	0.45	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Quote terreno	54.06	54.11	54.37	55.11	55.43	55.47	55.05	54.64	54.12	53.81	53.55	53.22	53.26	53.3	53.31	53.35	53.36	53.41	53.43	53.44	53.5	53.47	53.48	53.53	53.51	53.46	53.53	53.51	53.55	53.55	53.56	53.55	53.52	53.55	53.56	
Dist. Progressive					7.34					2		0		2						6.5				10.5						16.88					21.49	
Dist. Parziali						5.34					2		2			4.5					4				6.38							4.62				
Quote progetto					55.44					59		59				59				56				56						51.75					51.75	

Sezione 11-11

interasse di riferimento: 101,00 ml

superficie unitaria di sterro: 2,15 mq

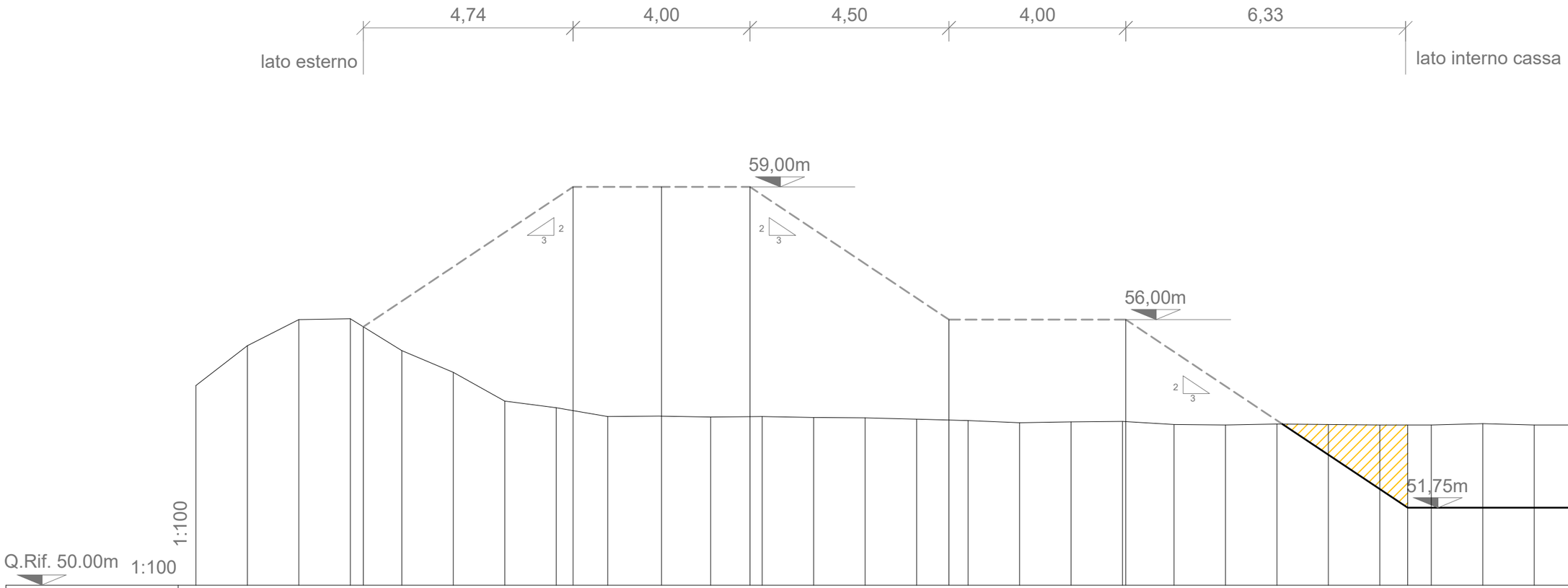


Dist. Progressive	12.25	11.1	9.95	8.8	7.65	6.5	5.35	4.2	3.05	1.9	0.76	0	0.39	1.54	2.69	3.84	4.99	6.14	7.29	8.44	9.59	10.74	11.89	13.04	14.19	15.34	16.49	17.64	18.78	19.93	21.08
Dist. Parziali		1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	0.76	0.39	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	
Quote terreno	53.8	53.79	53.8	53.8	53.8	53.76	53.64	53.61	53.56	53.52	53.47	53.46	53.46	53.47	53.42	53.41	53.4	53.38	53.42	53.41	53.41	53.38	53.45	53.34	53.39	53.46	53.44	53.46	53.39	53.47	53.43
Dist. Progressive			9.8							2		0		2				6.5				10.5					16.88				21.08
Dist. Parziali				7.8							2		2		4.5				4				6.38					4.21			
Quote progetto			53.8							59		59		59				56				56					51.75				51.75

Sezione 12-12

interasse di riferimento: 102,50 ml

superficie unitaria di sterro: 2,64 mq



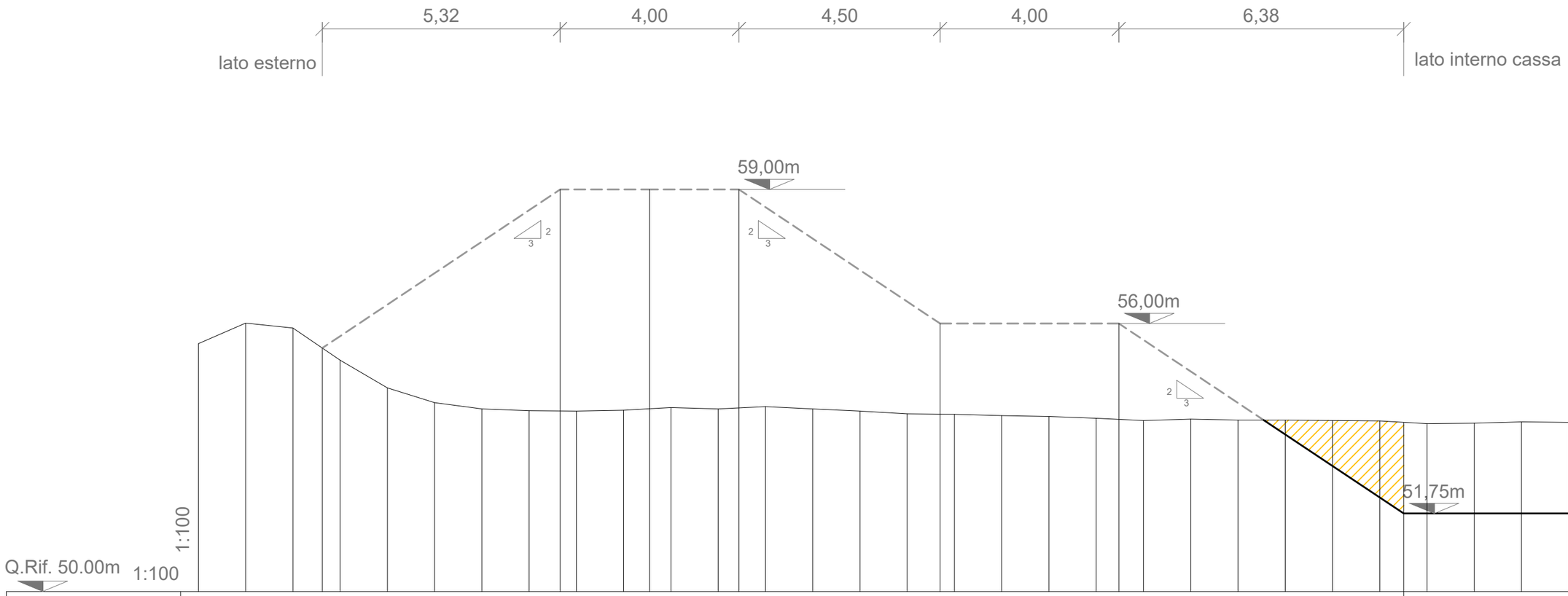
Dist. Progressive	10.53	9.37	8.2	7.04	5.87	4.71	3.55	2.38	1.22	0.05	0	1.11	2.28	3.44	4.6	5.77	6.93	8.1	9.26	10.42	11.59	12.75	13.92	15.08	16.24	17.41	18.57	19.74	20.9
Dist. Parziali		1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	0.05	1.11	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	
Quote terreno	54.51	55.41	56	56.02	55.3	54.81	54.16	54.01	53.81	53.82	53.82	53.8	53.81	53.79	53.78	53.75	53.72	53.67	53.69	53.7	53.63	53.62	53.64	53.63	53.62	53.62	53.65	53.62	53.62

Dist. Progressive	6.74	2	0	2	6.5	10.5	16.88	20.9
Dist. Parziali	4.74	2	2	4.5	4	6.38	4.03	
Quote progetto	55.84	59	59	59	56	56	51.75	51.75

Sezione 13-13

interasse di riferimento: 102,50 ml

superficie unitaria di sterro: 3,24 mq

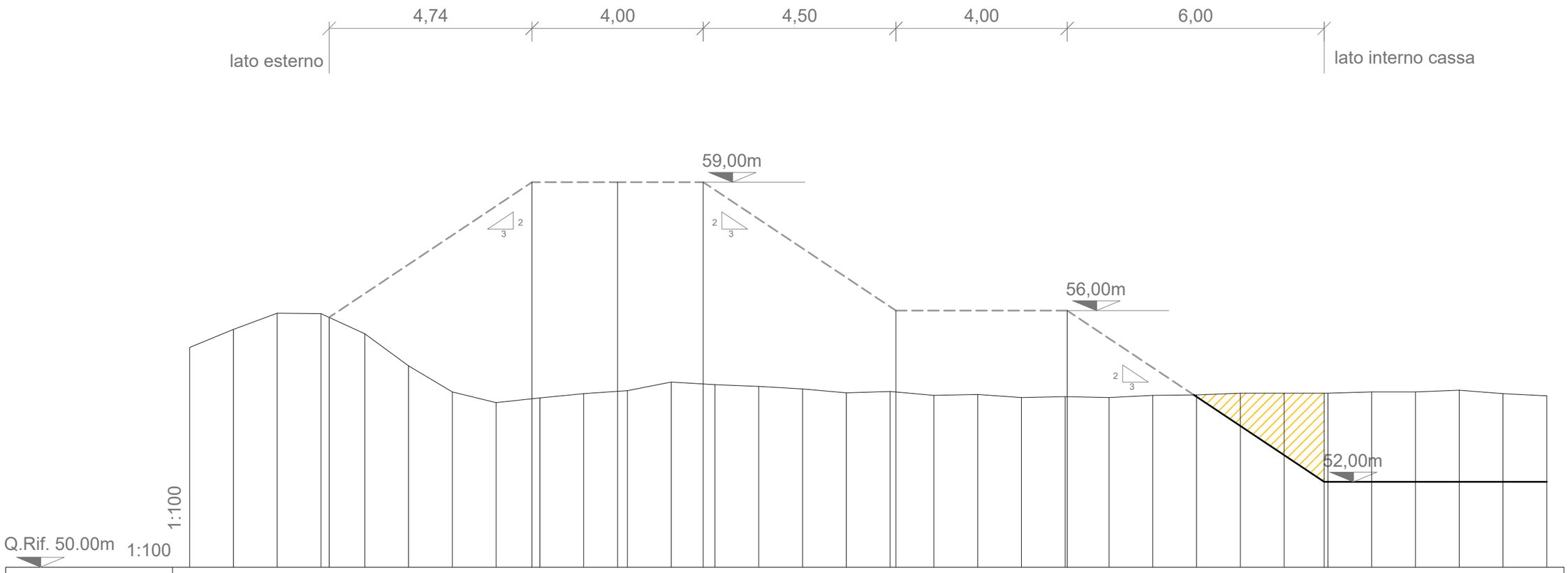


Dist. Progressive	10.09	9.04	7.98	6.92	5.87	4.81	3.75	2.69	1.64	0.58	0	0.48	1.54	2.59	3.65	4.71	5.76	6.82	7.88	8.94	9.99	11.05	12.11	13.17	14.22	15.28	16.34	17.39	18.45	19.51	20.57	
Dist. Parziali		1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	0.58	0.48	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	
Quote terreno	55.55	56.01	55.9	55.18	54.56	54.23	54.09	54.05	54.04	54.06	54.09	54.12	54.09	54.14	54.09	54.04	53.98	53.97	53.94	53.92	53.88	53.83	53.86	53.84	53.84	53.83	53.82	53.76	53.77	53.8	53.79	
Dist. Progressive				7.32					2		0		2					6.5				10.5						16.88			20.57	
Dist. Parziali					5.32					2		2		4.5					4				6.38						3.69			
Quote progetto				55.45					59		59		59					56				56						51.75			51.75	

Sezione 14-14

interasse di riferimento: 100,50 ml

superficie unitaria di sterro: 3,19 mq

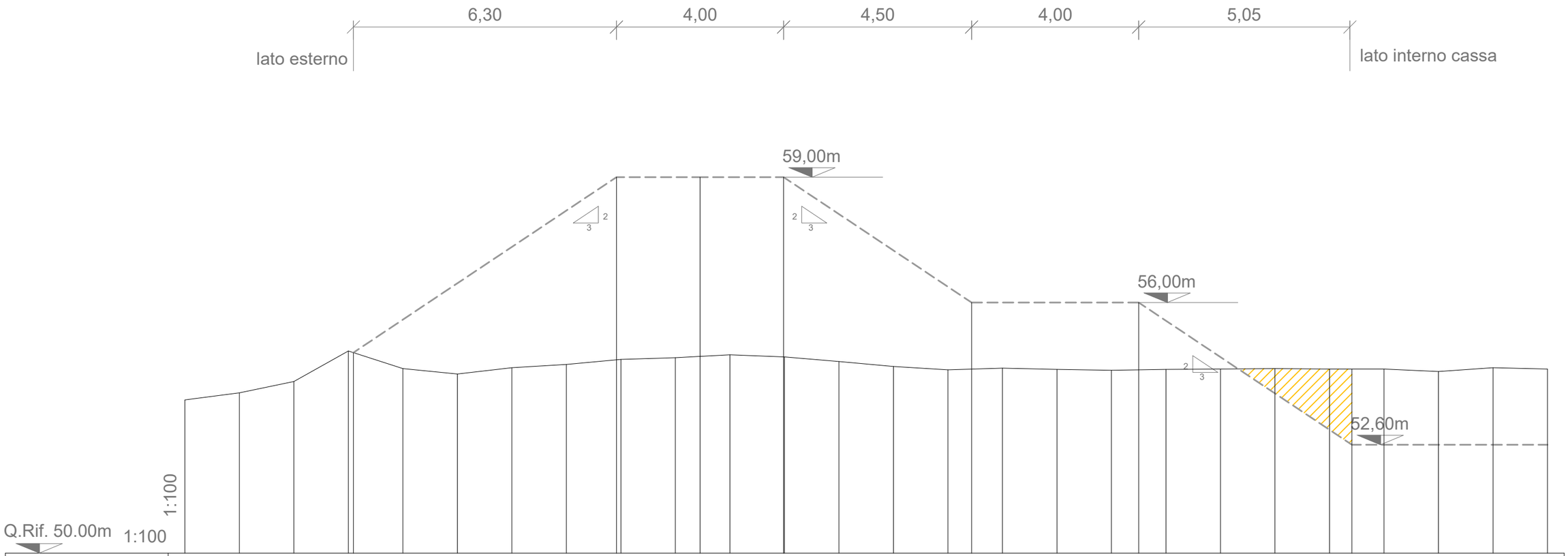


Dist. Progressive	9.99	8.97	7.95	6.93	5.9	4.88	3.86	2.84	1.81	0.79	0	0.23	1.25	2.27	3.3	4.32	5.34	6.36	7.39	8.41	9.43	10.45	11.48	12.5	13.52	14.54	15.57	16.59	17.61	18.63	19.66	20.68	21.7
Dist. Parziali		1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.79	0.23	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	
Quote terreno	55.14	55.56	55.94	55.93	55.46	54.71	54.1	53.85	53.96	54.06	54.11	54.13	54.33	54.27	54.23	54.17	54.08	54.11	54.02	54.04	53.97	53.99	53.97	54.02	54.03	54.07	54.07	54.07	54.1	54.1	54.14	54.06	54.01
Dist. Progressive				6.74					2		0			2				6.5				10.5						16.5					21.7
Dist. Parziali					4.74					2		2			4.5				4				6						5.2				
Quote progetto				55.84					59		59			59				56				56						52					52

Sezione 15-15

interasse di riferimento: 100,00 ml

superficie unitaria di sterro: 2,48 mq

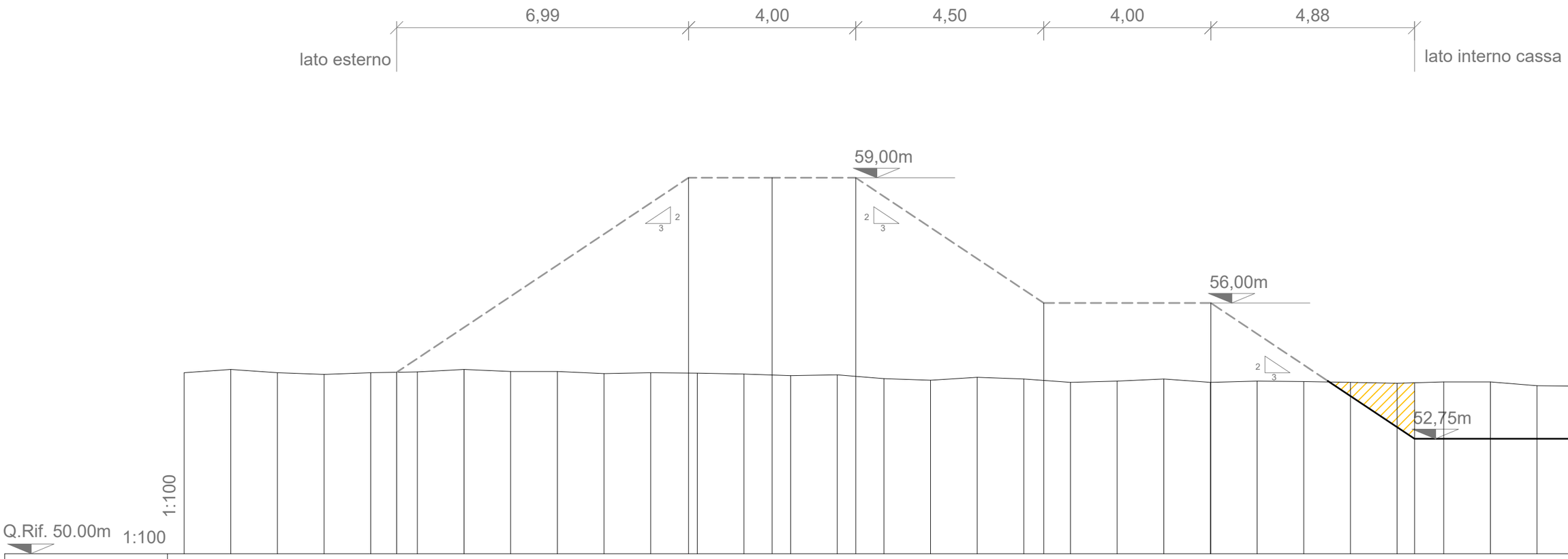


Dist. Progressive	12.33	11.03	9.72	8.42	7.11	5.81	4.5	3.2	1.89	0.59	0	0.72	2.02	3.32	4.63	5.93	7.24	8.54	9.85	11.15	12.46	13.76	15.07	16.37	17.68	18.98	20.29	
Dist. Parziali		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.59	0.72	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
Quote terreno	53.67	53.84	54.11	54.84	54.42	54.29	54.44	54.52	54.64	54.68	54.71	54.75	54.7	54.59	54.47	54.39	54.43	54.4	54.38	54.4	54.41	54.42	54.41	54.41	54.35	54.44	54.41	
Dist. Progressive				8.3					2		0		2			6.5			10.5				15.6				20.29	
Dist. Parziali					6.3					2		2		4.5				4			5.1			4.68				
Quote progetto				54.8					59		59		59			56			56				52.6				52.6	

Sezione 48-48

interasse di riferimento: 117,50 ml

superficie unitaria di sterro: 1,35 mq

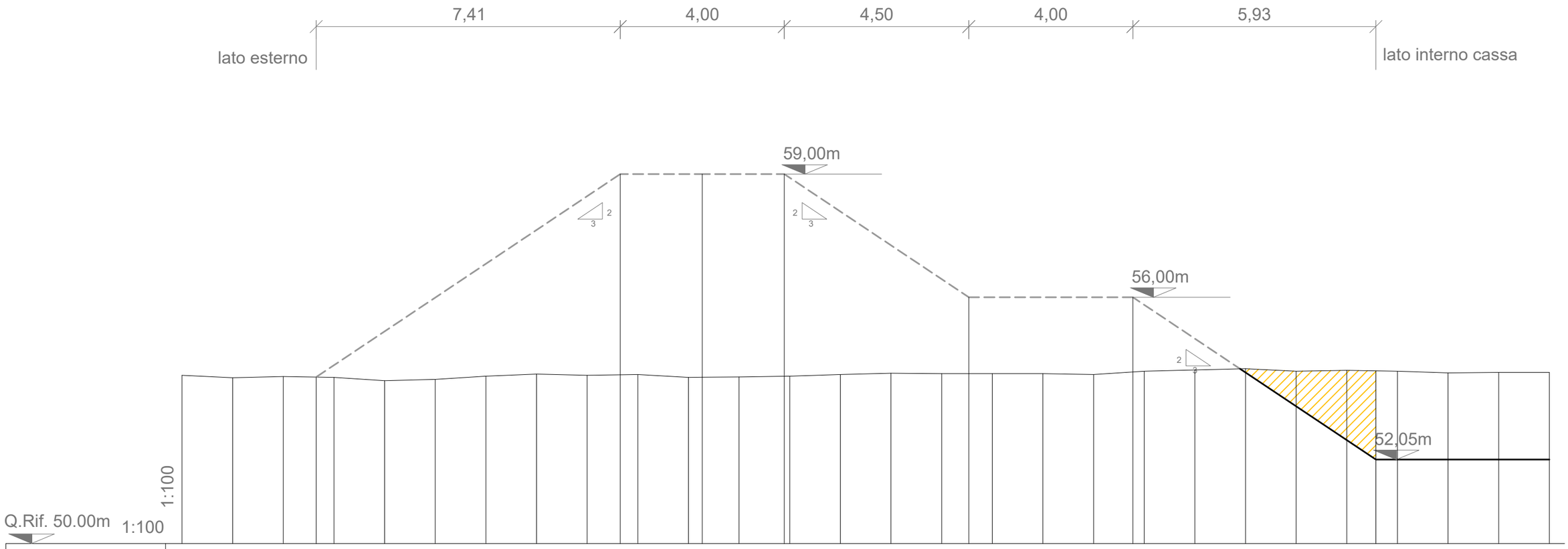


Dist. Progressive	14.08	12.96	11.84	10.73	9.61	8.49	7.38	6.26	5.14	4.03	2.91	1.79	0.68	0	0.44	1.56	2.67	3.79	4.91	6.02	7.14	8.26	9.37	10.49	11.61	12.72	13.84	14.96	16.07	17.19	18.31	19.42
Dist. Parziali		1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.68	0.44	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	
Quote terreno	54.33	54.41	54.33	54.29	54.33	54.35	54.41	54.36	54.36	54.31	54.33	54.32	54.3	54.28	54.26	54.28	54.19	54.15	54.22	54.18	54.1	54.13	54.18	54.1	54.13	54.12	54.1	54.08	54.11	54.11	54.02	54.01
Dist. Progressive						8.99						2		0		2				6.5				10.5				15.38				19.42
Dist. Parziali						6.99						2		2		4.5				4				4.88				4.05				
Quote progetto						54.34						59		59		59				56				56				52.75				52.75

Sezione 49-49

interasse di riferimento: 120,50 ml

superficie unitaria di sterro: 3,53 mq



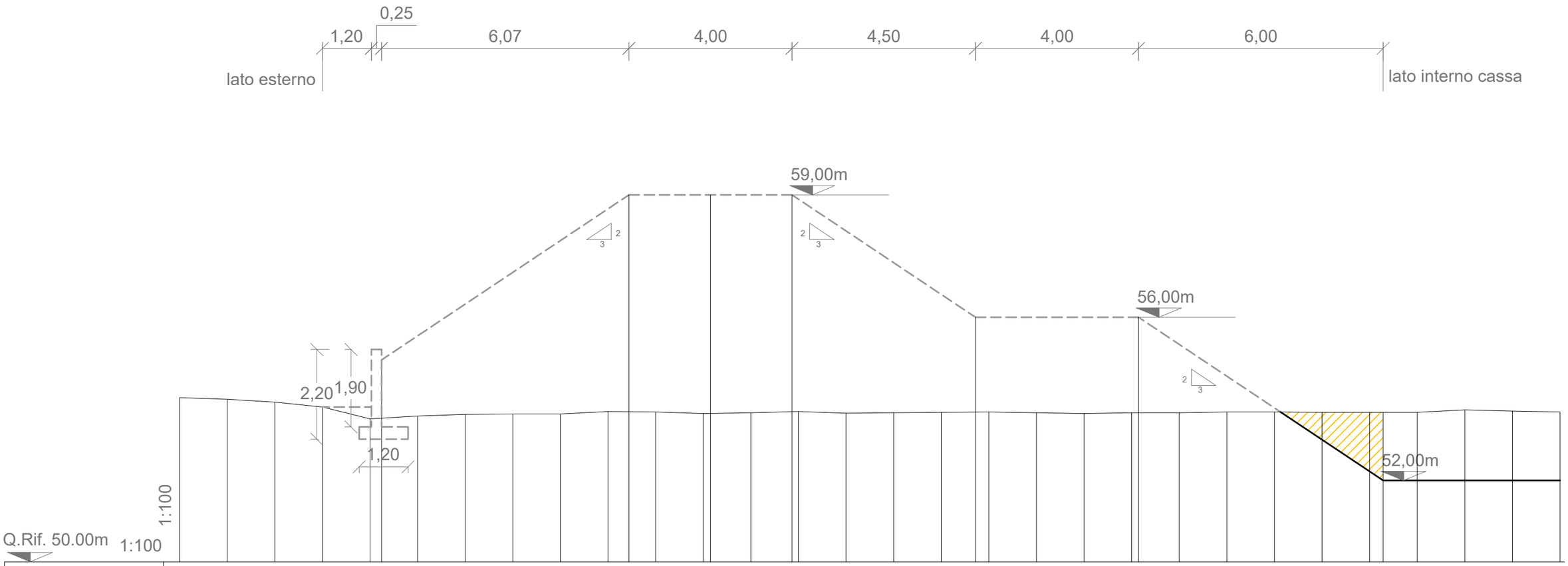
Dist. Progressive	12.69	11.45	10.22	8.98	7.75	6.51	5.28	4.04	2.81	1.57	0.34	0	0.9	2.13	3.37	4.6	5.84	7.07	8.31	9.54	10.78	12.01	13.24	14.48	15.71	16.95	18.18	19.42	20.65	
Dist. Parziali		1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	0.34	0.9	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	
Quote terreno	54.1	54.04	54.07	54.05	53.97	54	54.08	54.13	54.1	54.12	54.05	54.05	54.06	54.08	54.12	54.15	54.14	54.14	54.14	54.12	54.2	54.23	54.26	54.2	54.22	54.2	54.16	54.17	54.17	

Dist. Progressive				9.41						2		0		2				6.5			10.5					16.42			20.65	
Dist. Parziali					7.41						2		2		4.5				4			5.92					4.23			
Quote progetto				54.06						59		59		59				56			56					52.05			52.05	

Sezione 50-50

interasse di riferimento: 103,00 ml

superficie unitaria di sterro: 2,10 mq



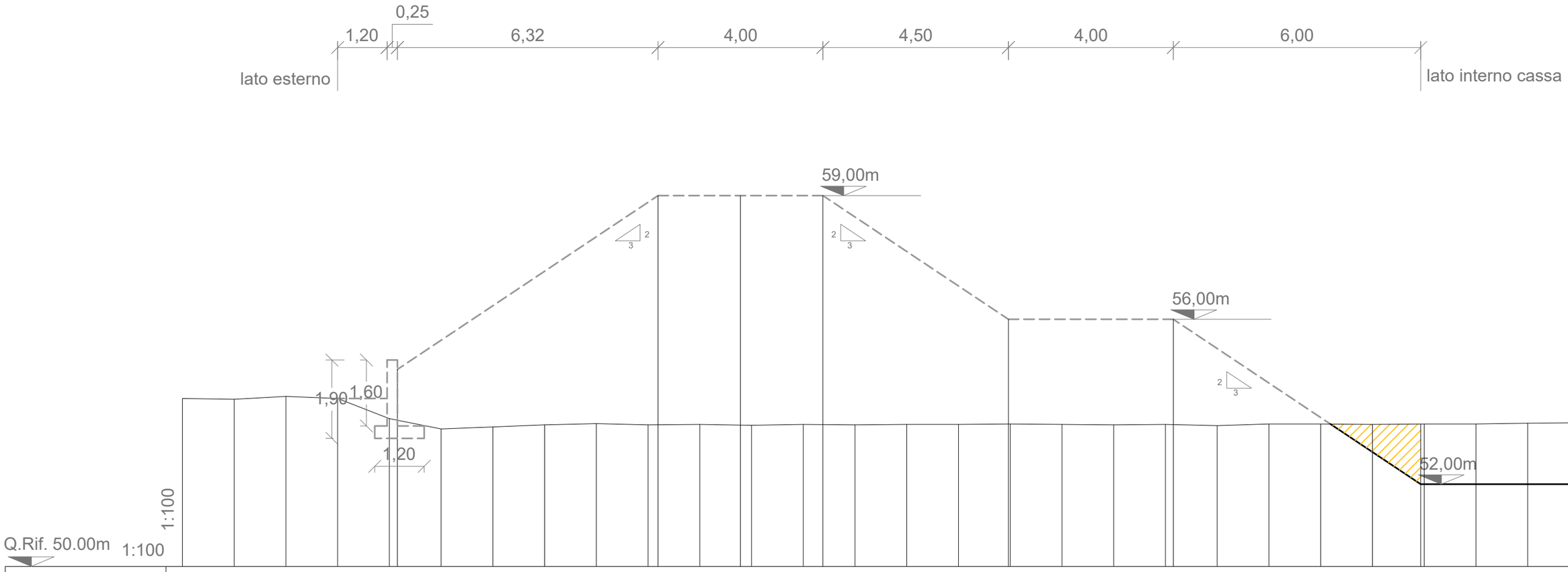
Dist. Progressive	13.02	11.85	10.68	9.52	8.35	7.18	6.01	4.85	3.68	2.51	1.34	0.18	0	0.99	2.16	3.33	4.49	5.66	6.83	8	9.16	10.33	11.5	12.67	13.83	15	16.17	17.34	18.5	19.67	20.84
Dist. Parziali		1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	0.18	0.99	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Quote terreno	54.03	53.99	53.92	53.8	53.51	53.58	53.62	53.63	53.63	53.69	53.68	53.64	53.64	53.66	53.69	53.65	53.66	53.67	53.68	53.66	53.64	53.66	53.66	53.68	53.68	53.67	53.67	53.67	53.73	53.7	53.68

Dist. Progressive	9.52	8.07	2	0	2	6.5	10.5	16.5	20.84
Dist. Parziali	1.45	6.07	2	2	4.5	4	6	4.34
Quote progetto	53.8	54.96	59	59	59	56	56	52	52

Sezione 51-51

interasse di riferimento: 111,00 ml

superficie unitaria di sterro: 1,59 mq

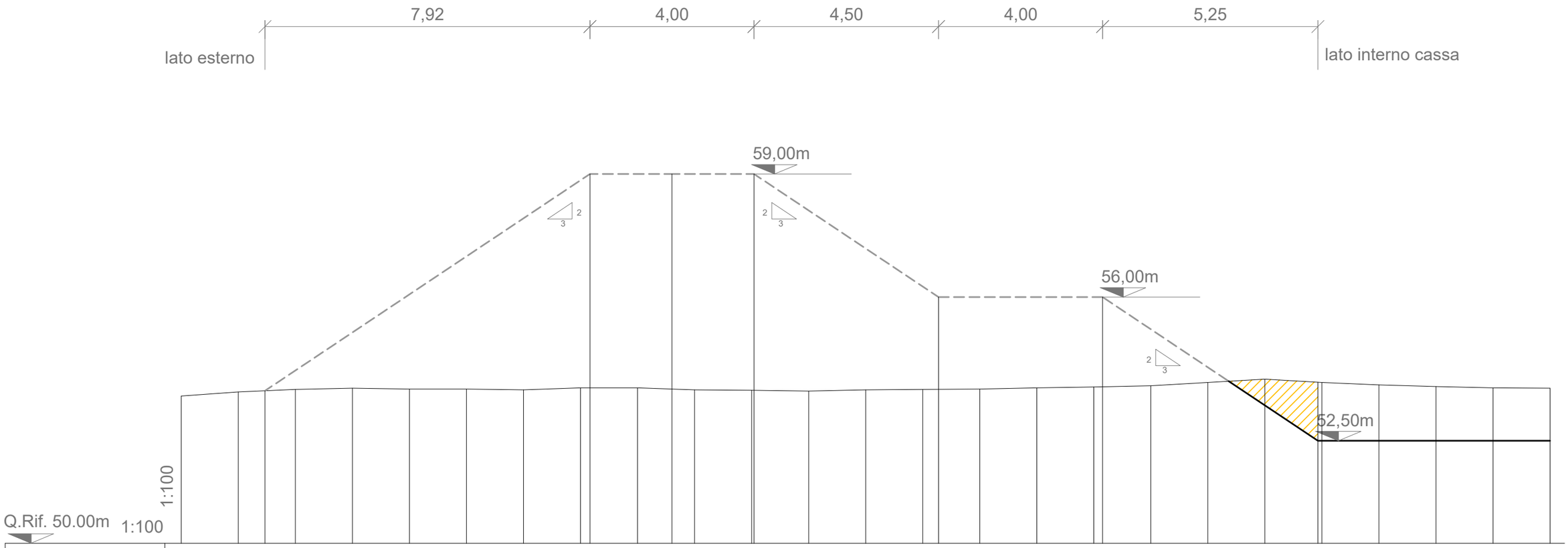


Dist. Progressive	13.54	12.28	11.03	9.77	8.52	7.26	6.01	4.75	3.5	2.24	0.99	0 0.27	1.52	2.78	4.03	5.29	6.54	7.8	9.05	10.31	11.56	12.82	14.07	15.33	16.58	17.84	19.1	20.35
Dist. Parziali		1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	0.99 0.27	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
Quote terreno	54.08	54.06	54.13	54.08	53.59	53.34	53.39	53.44	53.47	53.44	53.45	53.43 53.43	53.45	53.44	53.45	53.45	53.46	53.45	53.44	53.45	53.42	53.46	53.46	53.45	53.46	53.46	53.48	53.49
Dist. Progressive				9.77	8.32					2		0	2				6.5			10.5					16.5			20.35
Dist. Parziali				1.45	6.32					2		2	4.5				4			6					3.85			
Quote progetto				54.08	54.79					59		59	59				56			56					52			52

Sezione 52-52

interasse di riferimento: 111,00 ml

superficie unitaria di sterro: 1,62 mq

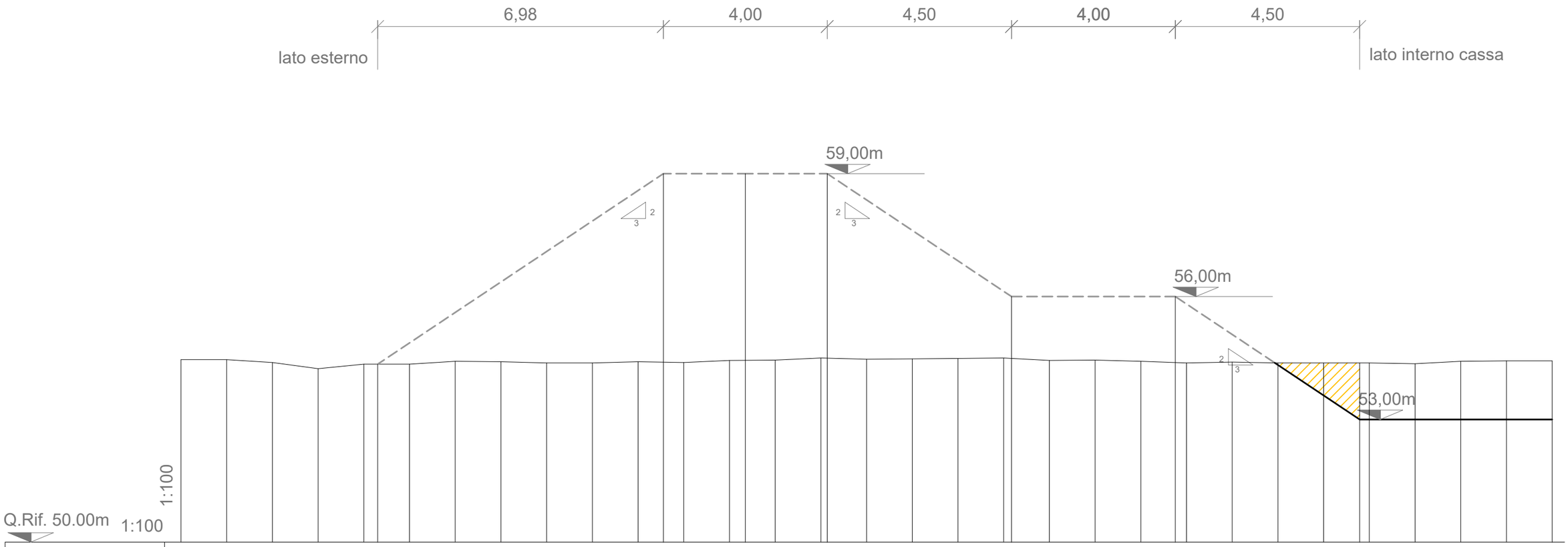


Dist. Progressive	11.96	10.57	9.18	7.79	6.4	5.01	3.62	2.23	0.84	0	0.55	1.94	3.33	4.72	6.11	7.5	8.9	10.29	11.68	13.07	14.46	15.85	17.24	18.63	20.02	21.41
Dist. Parziali		1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	0.84	0.55	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
Quote terreno	53.59	53.69	53.75	53.78	53.76	53.76	53.74	53.79	53.79	53.76	53.74	53.73	53.71	53.74	53.75	53.76	53.79	53.81	53.84	53.92	54	53.92	53.86	53.82	53.79	53.78
Dist. Progressive		9.92						2	0		2				6.5			10.5				15.75				21.41
Dist. Parziali			7.92						2	2		4.5				4			5.25				5.66			
Quote progetto		53.72						59		59		59			56			56				52.5				52.5

Sezione 53-53

interasse di riferimento: 97,50 ml

superficie unitaria di sterro: 1,43 mq



Dist. Progressive	13.78	12.66	11.54	10.43	9.31	8.2	7.08	5.97	4.85	3.73	2.62	1.5	0.39	0	0.73	1.85	2.96	4.08	5.19	6.31	7.42	8.54	9.66	10.77	11.89	13	14.12	15.24	16.35	17.47	18.58	19.7
Dist. Parziali		1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.39	0.73	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Quote terreno	54.46	54.46	54.39	54.24	54.35	54.35	54.42	54.41	54.38	54.38	54.41	54.39	54.44	54.44	54.45	54.5	54.47	54.48	54.49	54.5	54.44	54.45	54.42	54.38	54.4	54.38	54.38	54.38	54.36	54.42	54.43	54.43
Dist. Progressive					8.98							2		0		2				6.5				10.5				15				19.7
Dist. Parziali						6.98							2		2		4.5				4				4.5				4.7			
Quote progetto					54.35							59		59		59				56				56				53				53