



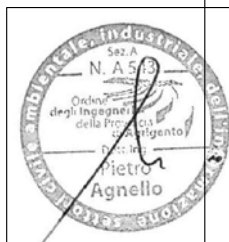
PROVINCIA REGIONALE DI RAGUSA

POTENZIAMENTO DEI COLLEGAMENTI STRADALI FRA LA S.S. N. 115 TRATTO COMISO-VITTORIA, IL NUOVO AEROPORTO DI COMISO E LA S.S. N. 514 RAGUSA-CATANIA

PROGETTO DEFINITIVO
CUP F520C05000070003

GRUPPO DI PROGETTAZIONE (ATI):

SIS S.r.l. (MANDATARIA)
A&S Engineering S.r.l.
BONIFICA ITALIA S.r.l.
CO.RE. INGEGNERIA
OMNISERVICE Engineering S.r.l.



RESPONSABILI DI PROGETTO:

Prof. Ing. Antonio Bevilacqua
Ordine Ingegneri di Palermo n. 4058
Dott. Ing. Franco Persio Bocchetto
Ordine Ingegneri di Roma n. 8664
Dott. Ing. Vincenzo Calzona
Ordine Ingegneri di Roma n. 16656
Dott. Ing. Pietro Agnello
Ordine Ingegneri di Agrigento n. 543

RESPONS. INTEG. PREST. SPECIALISTICHE
Prof. Ing. Antonio Bevilacqua



UFFICIO DEL RESPONSABILE DEL PROCEDIMENTO

RESPONSABILE DEL PROCEDIMENTO
Dott. Ing. Vincenzo Corallo

ASSISTENTE
Dott. Ing. Salvatore Dipasquale

IDROLOGIA E STUDI IDRAULICI
Sezioni idrauliche post operam

CODICE: PD-ID01-IDR-SZ02-A

SCALA: ----

DATA: Ottobre 2010

NOME FILE: PD-ID01-IDR-SZ02-A

Rev.	Data	Descrizione	Redatto	Visto	Approvato
A	Ottobre 2010	REVISIONE GIUSTA NOTA PROV. RG PROT. 052241 DEL 02/09/2010	MANTA	COGLITORE	AGNELLO

CAVA DEL BOSCO

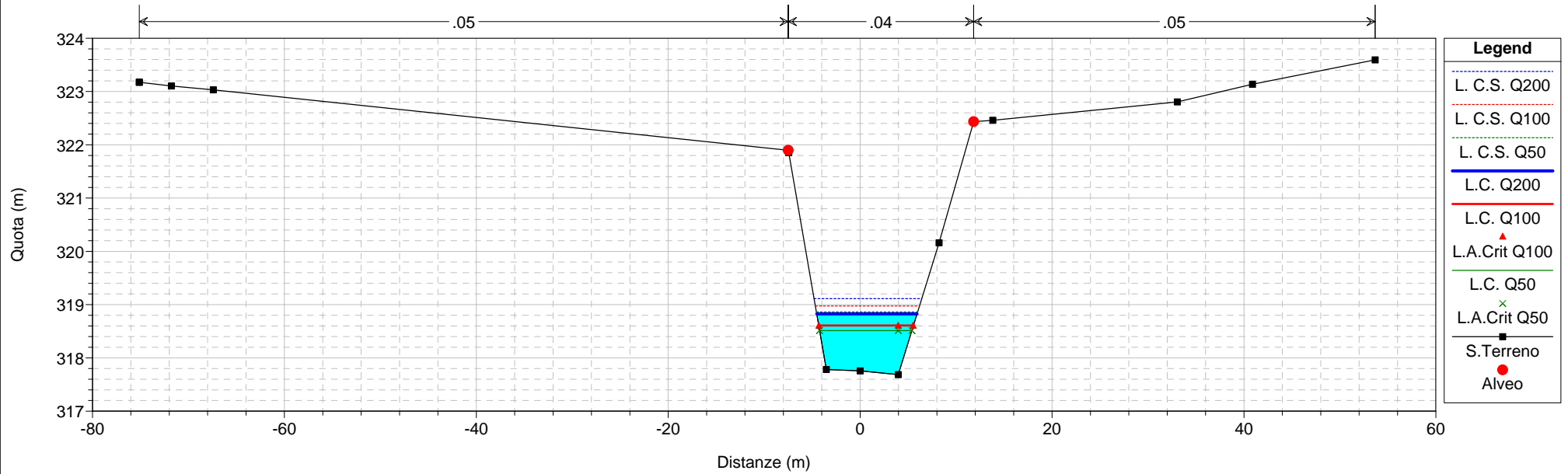
STATO POST OPERAM

SIMULAZIONE IDRAULICA IN MOTO PERMANENTE

**PORTATE DI PIENA CON TEMPI DI RITORNO:
TR 200 ANNI, TR 100 ANNI, TR 50 ANNI**

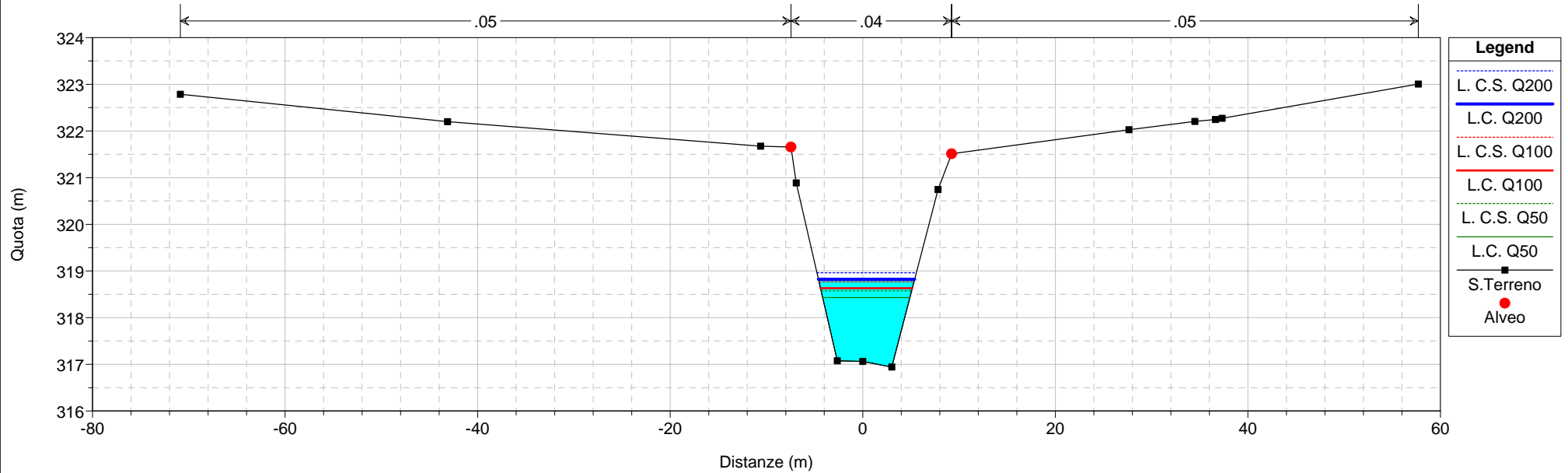
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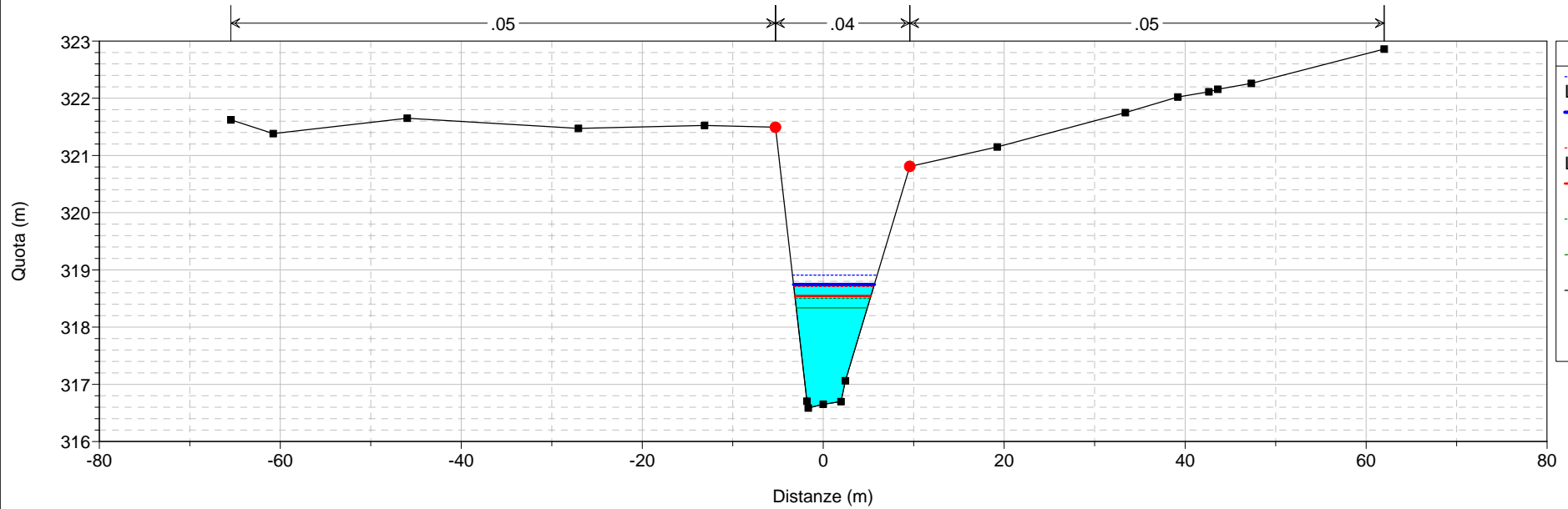
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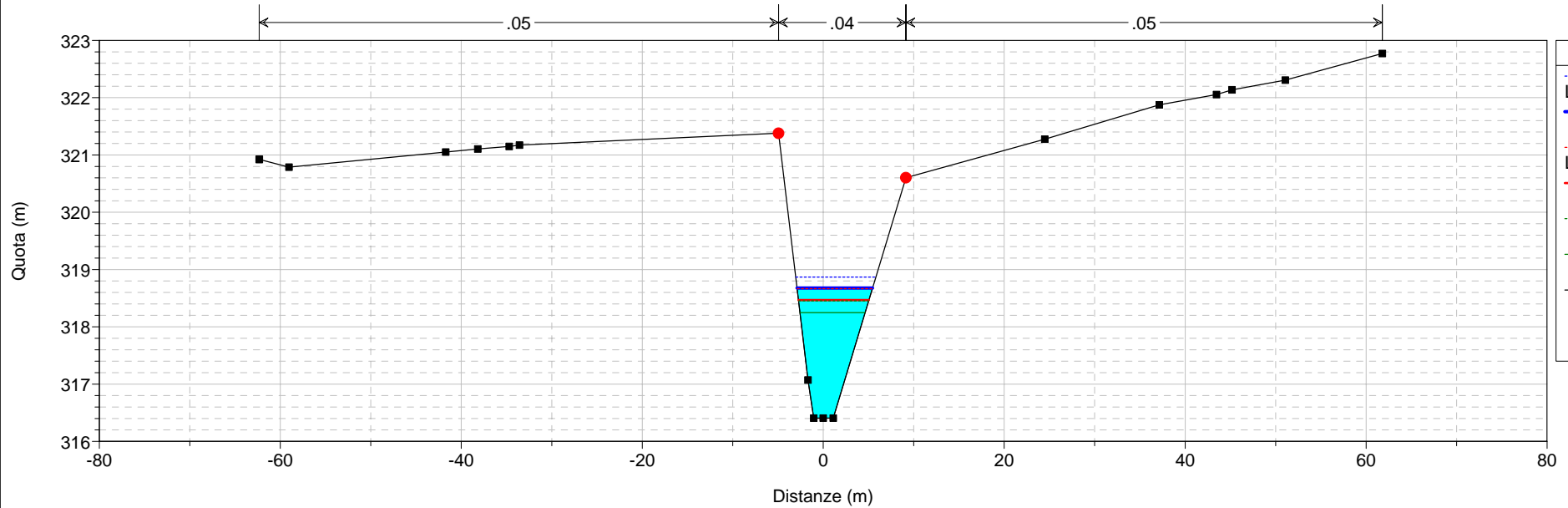
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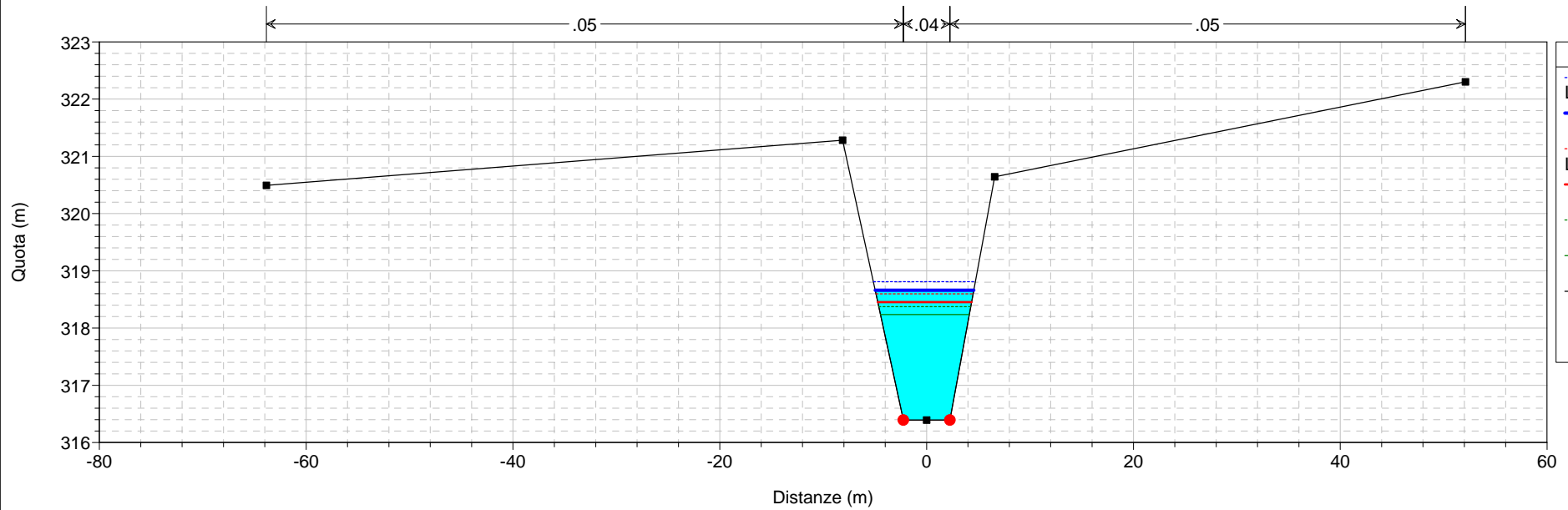
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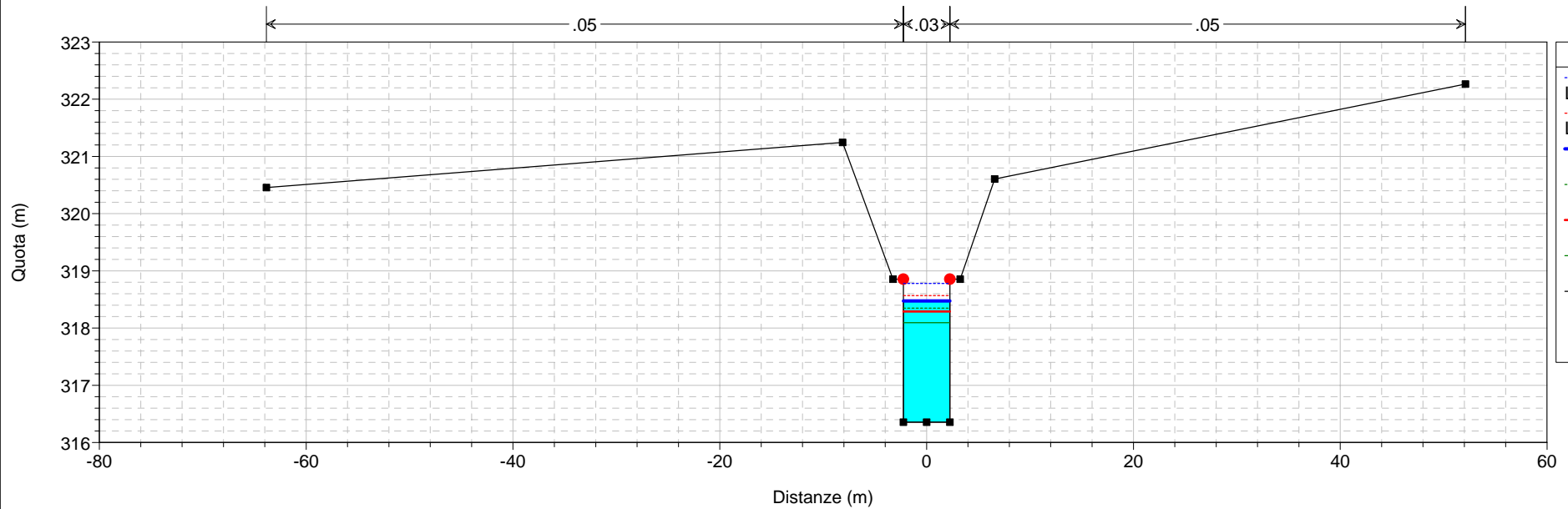
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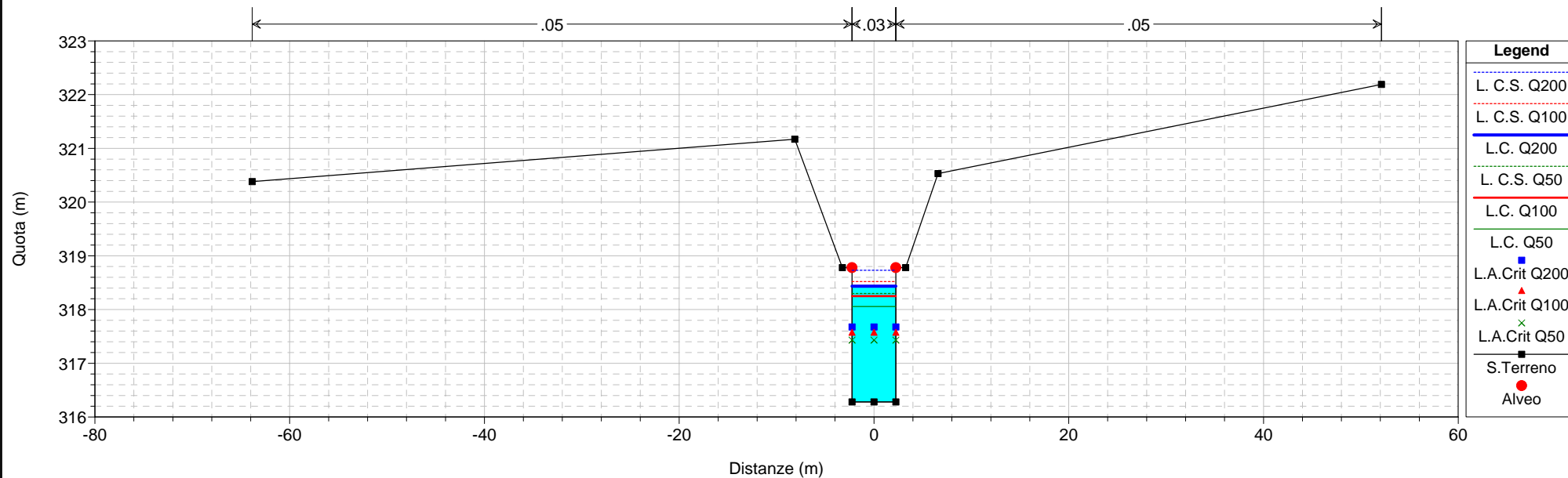
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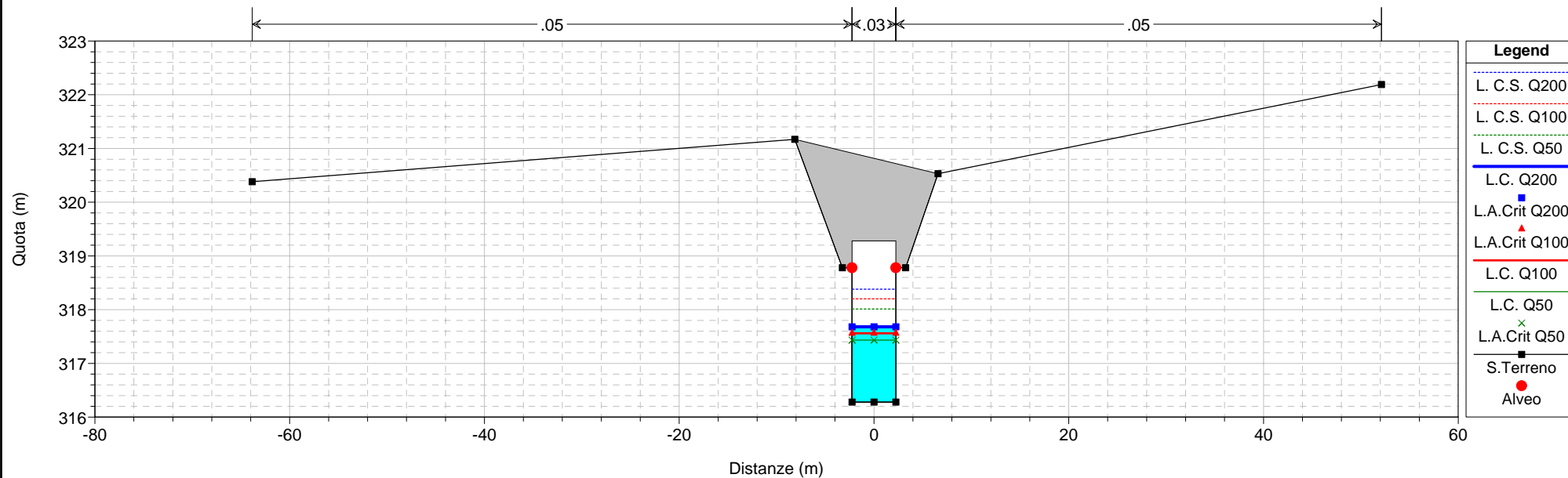
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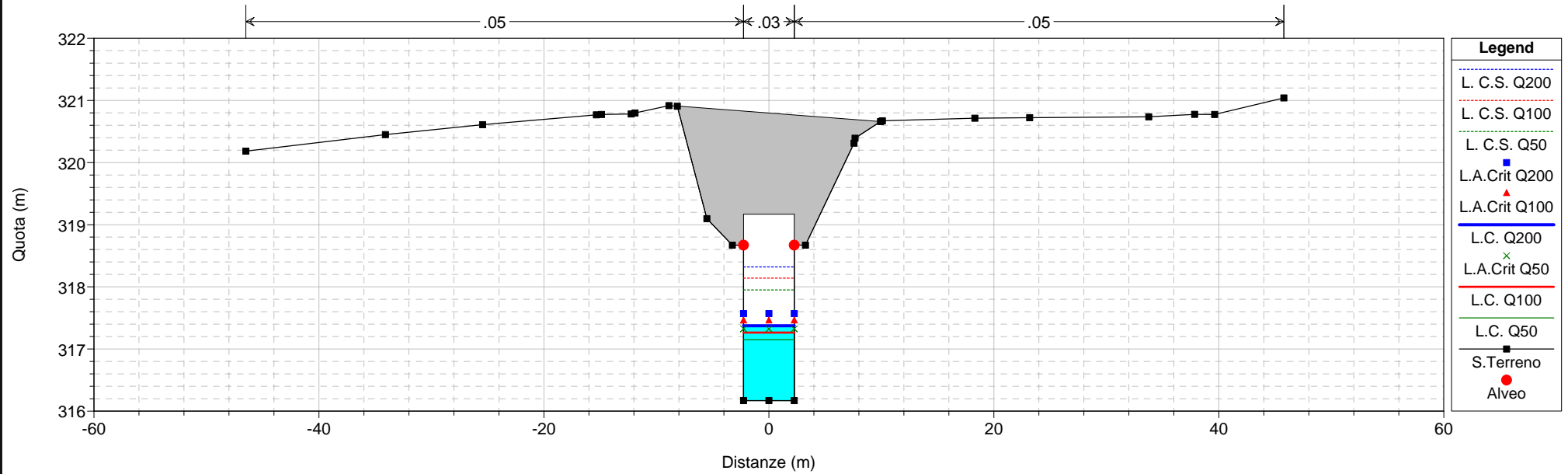


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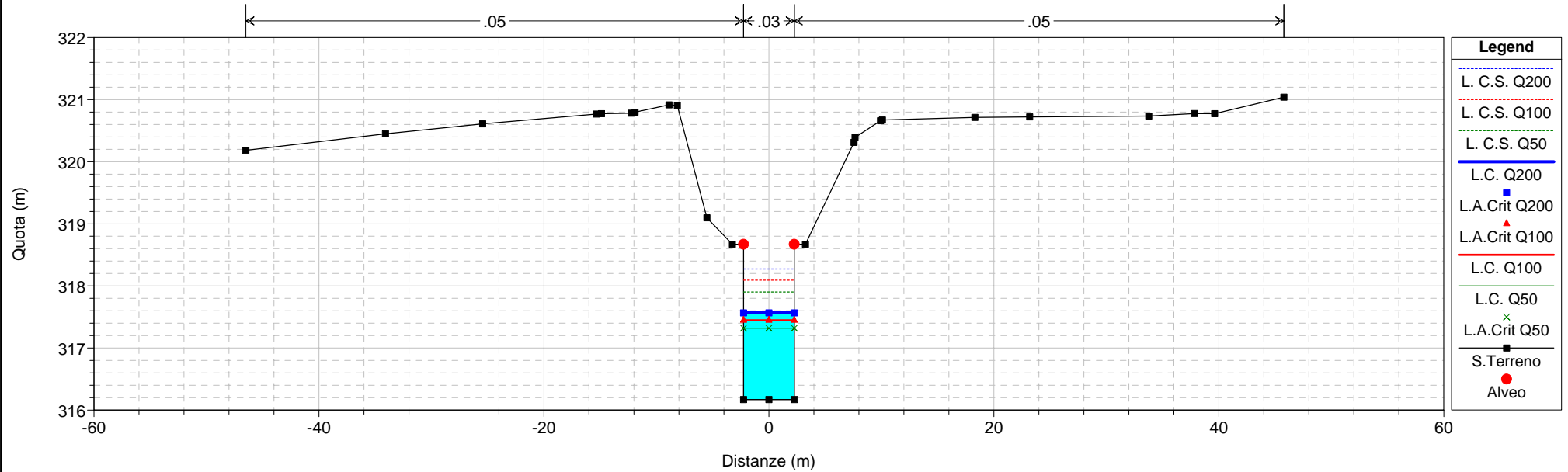
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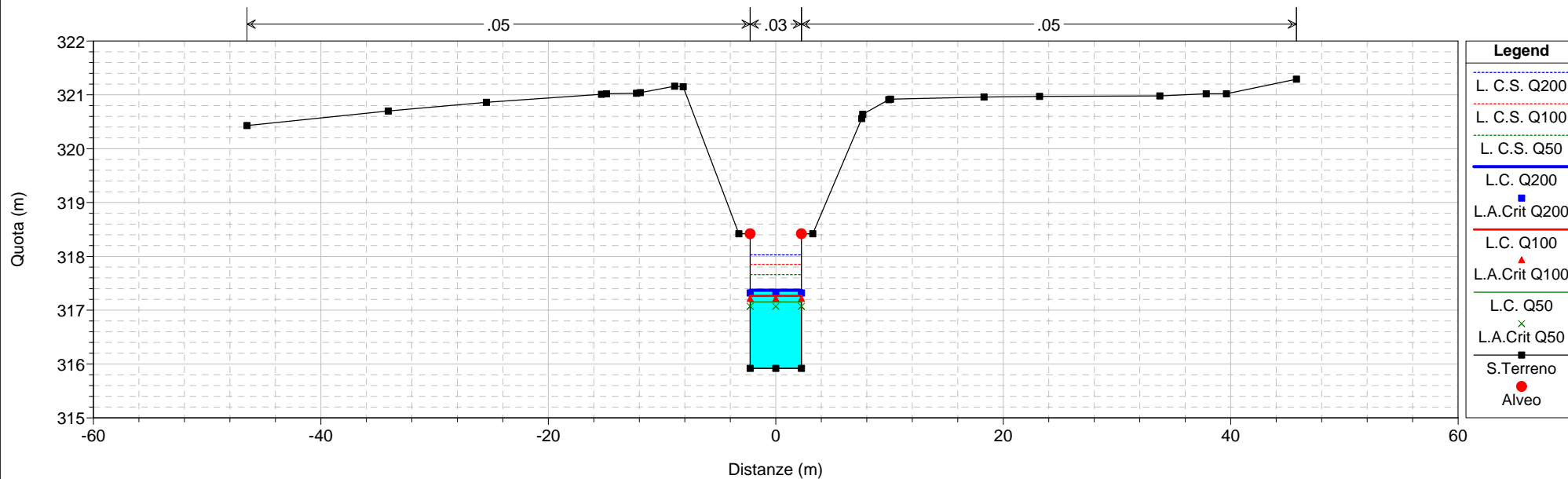


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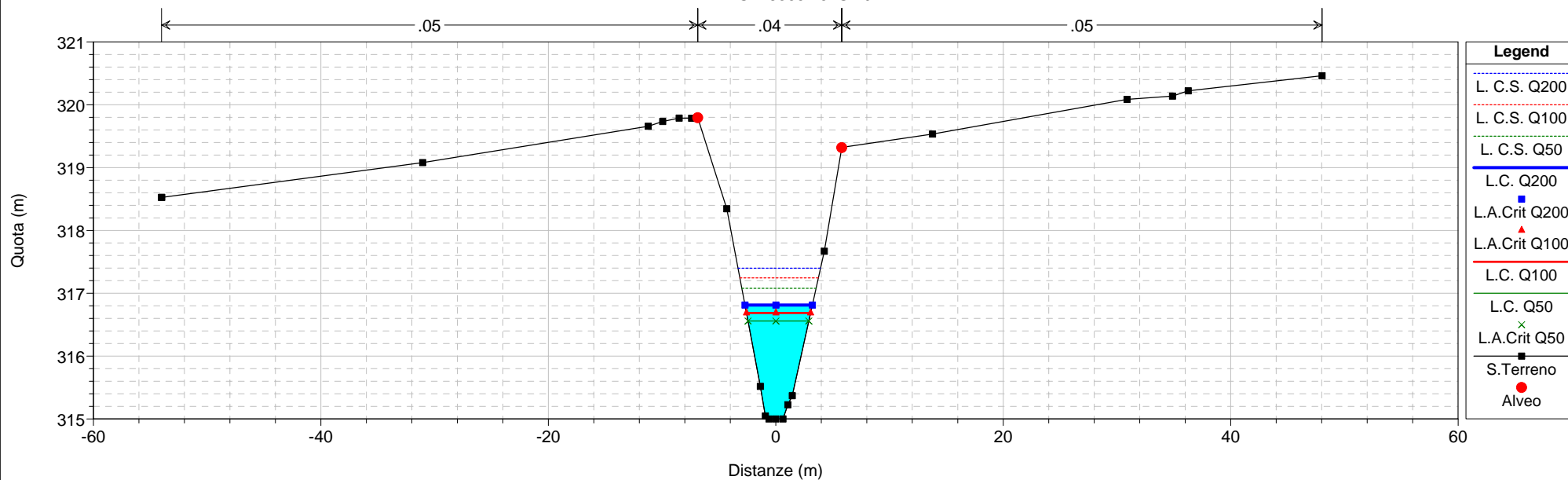
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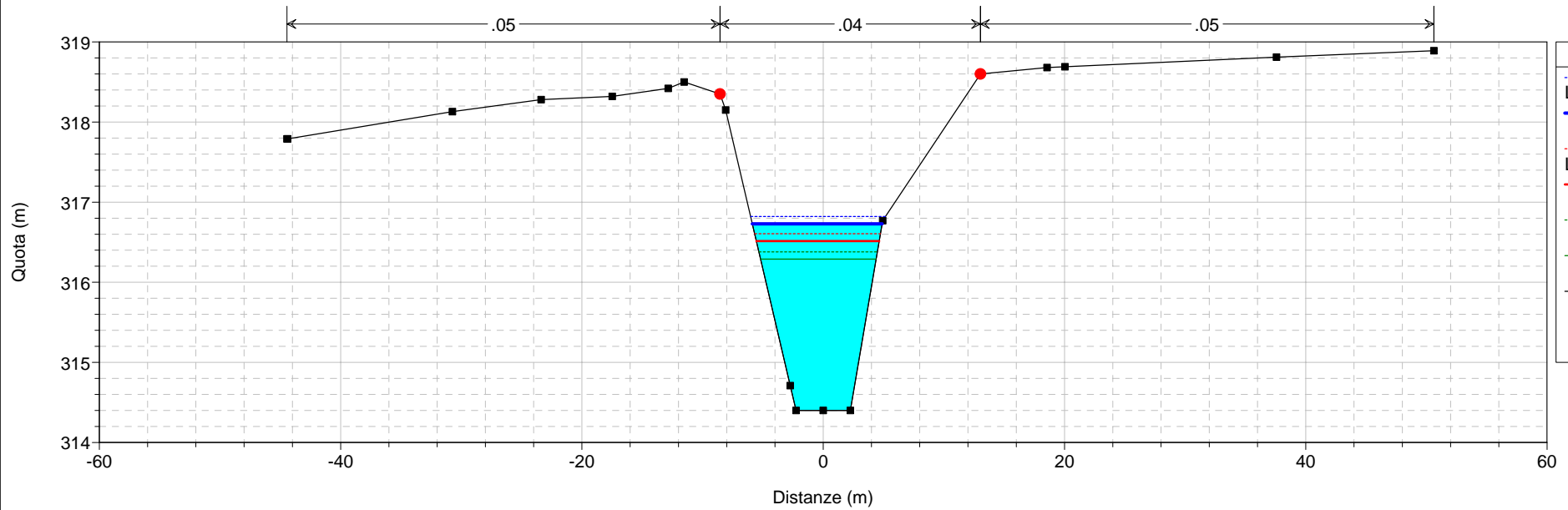
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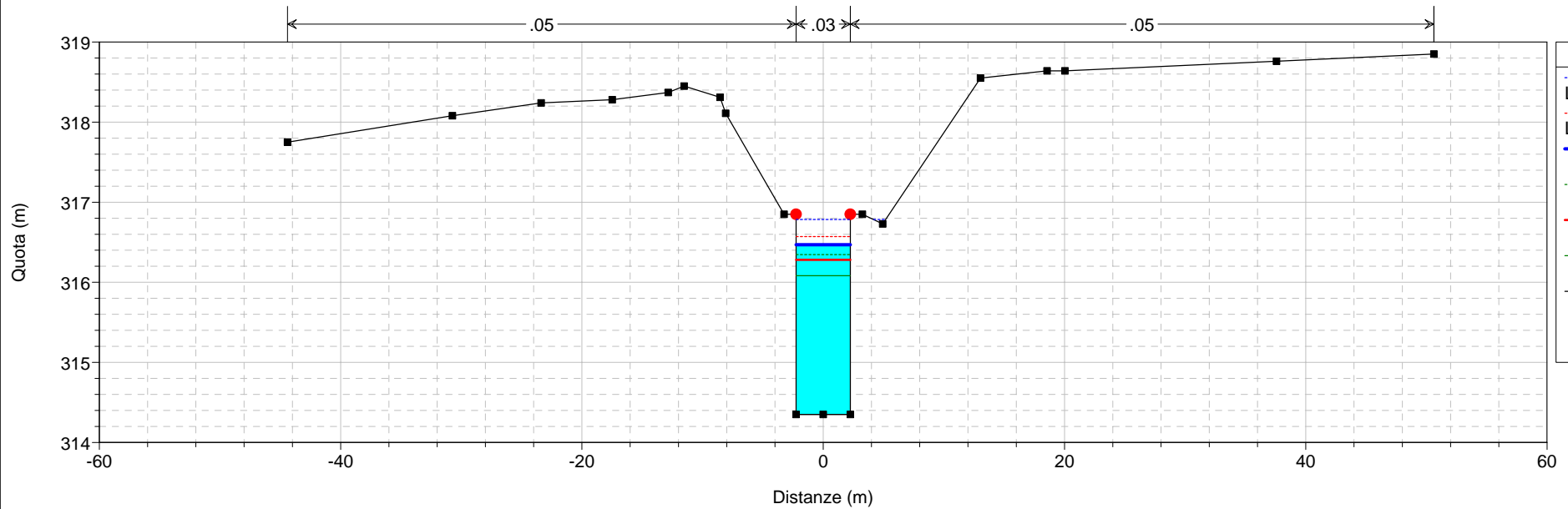
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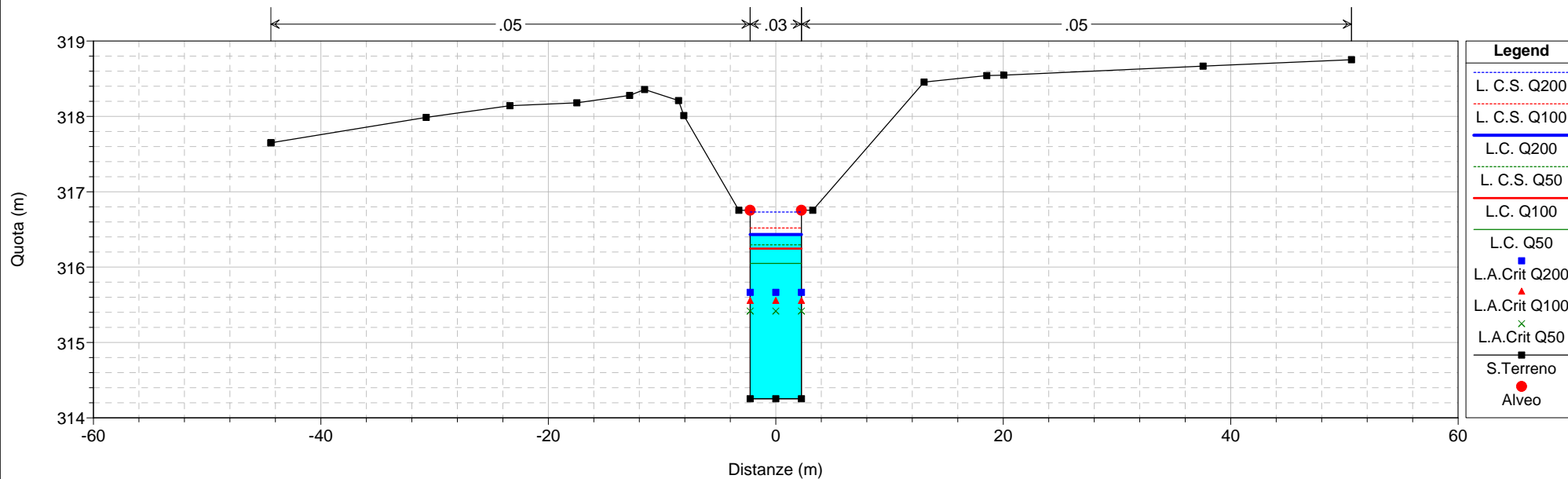
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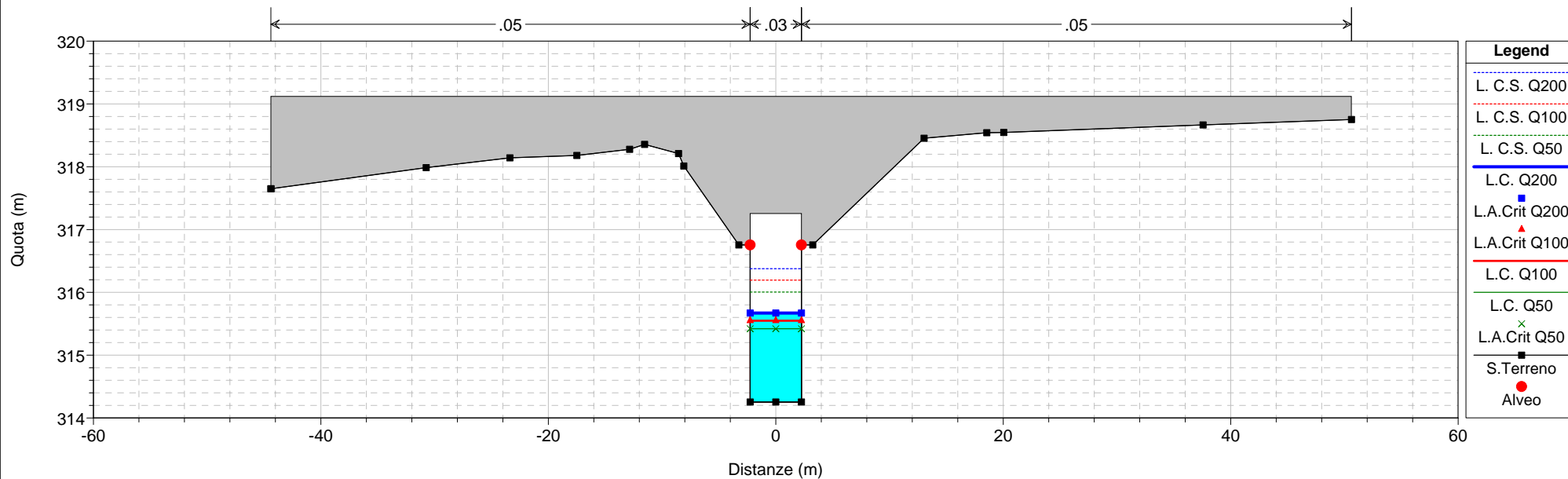
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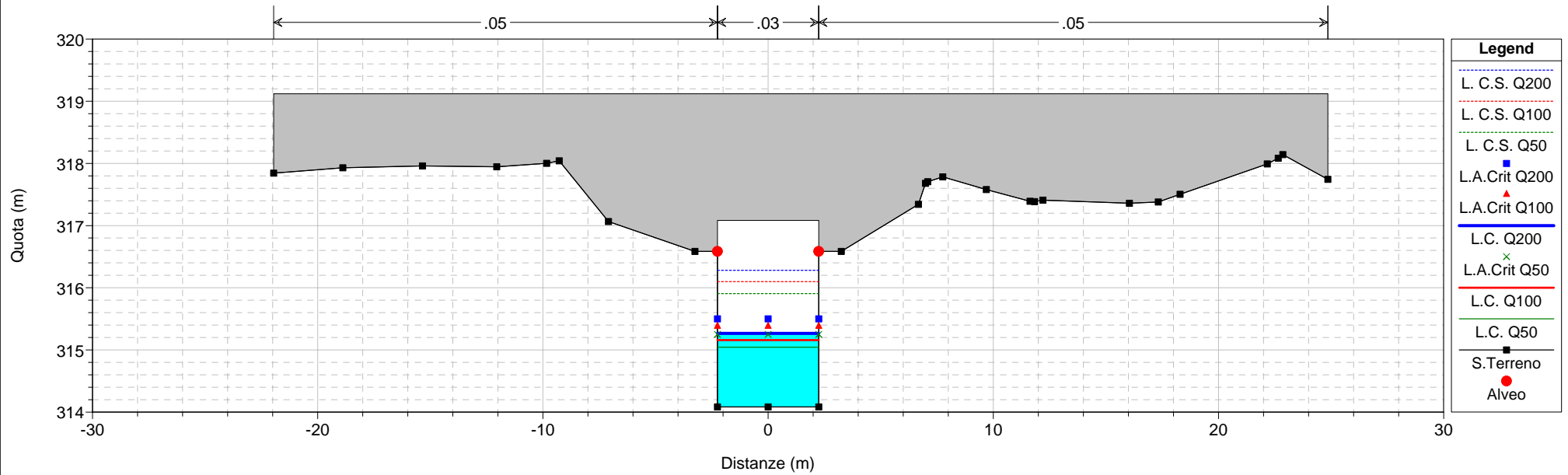


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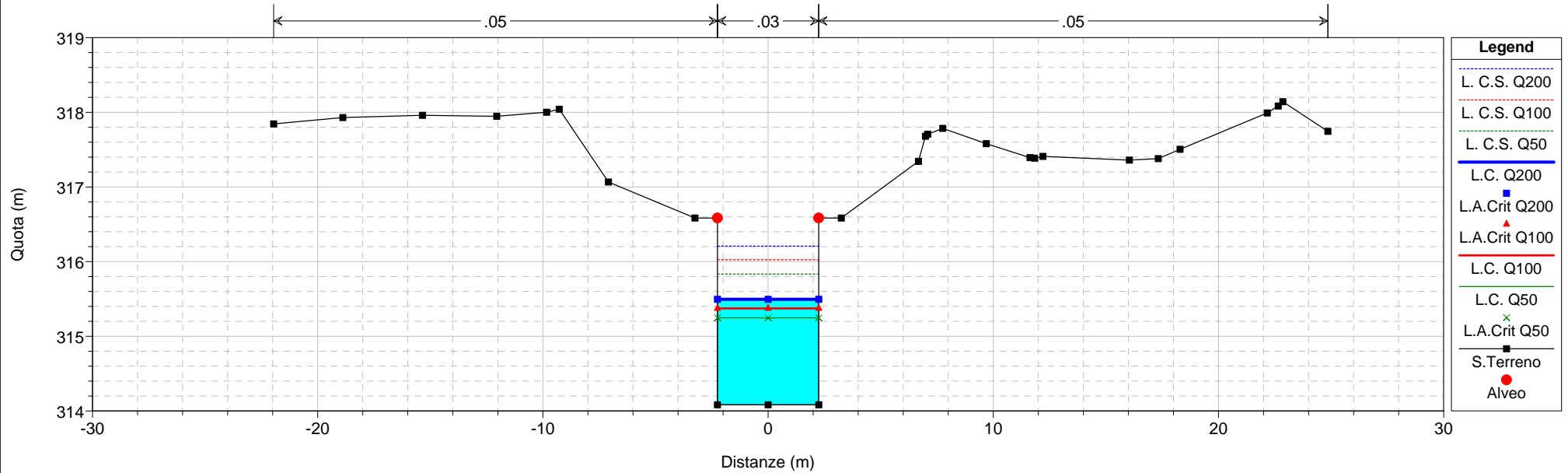
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Cava del Bosco_Post Operam
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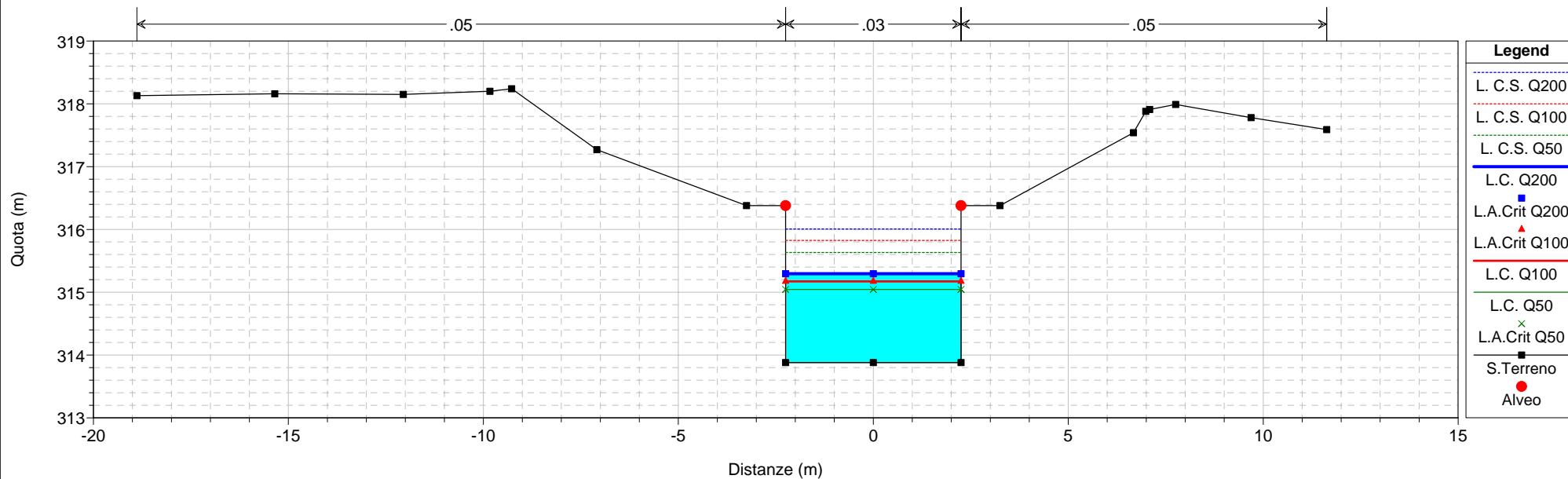


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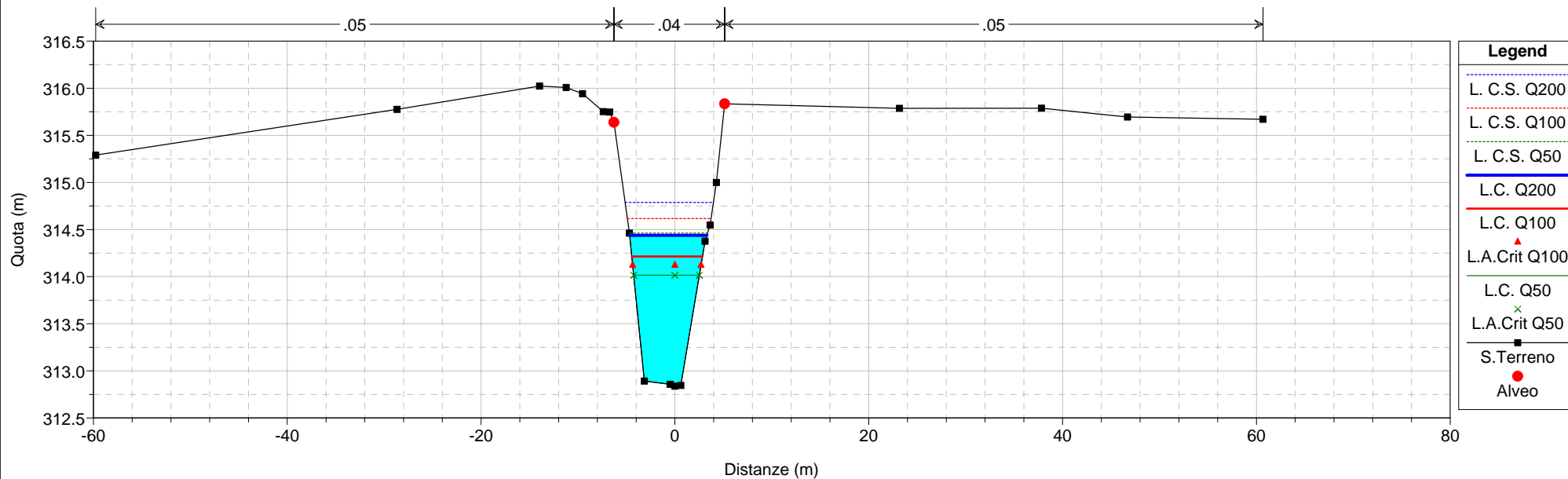
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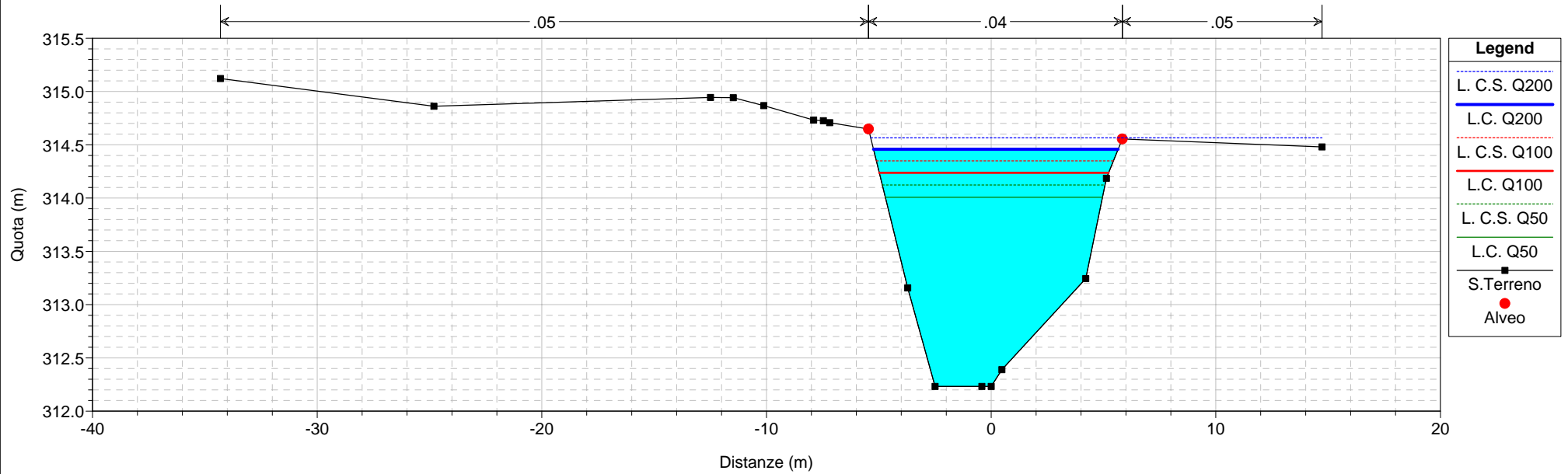
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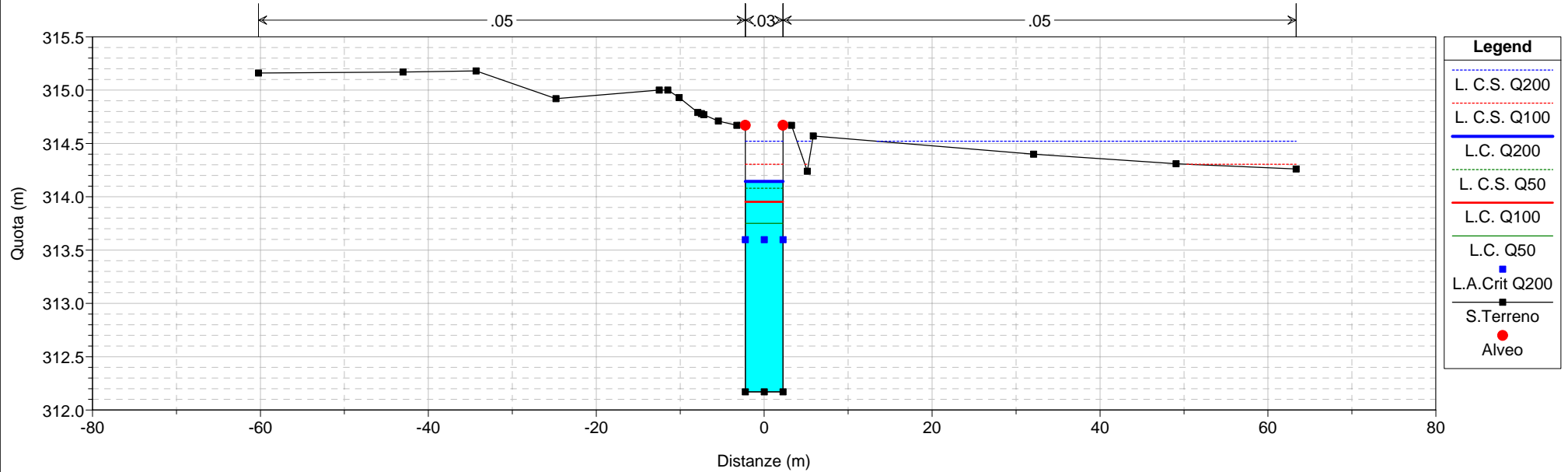
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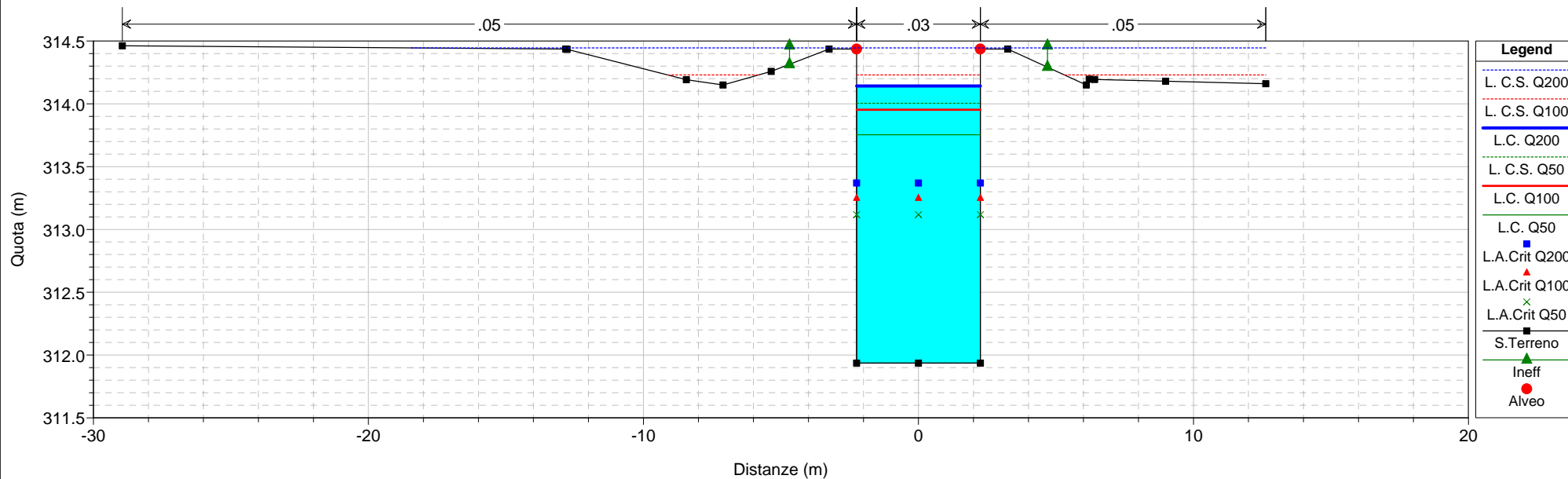
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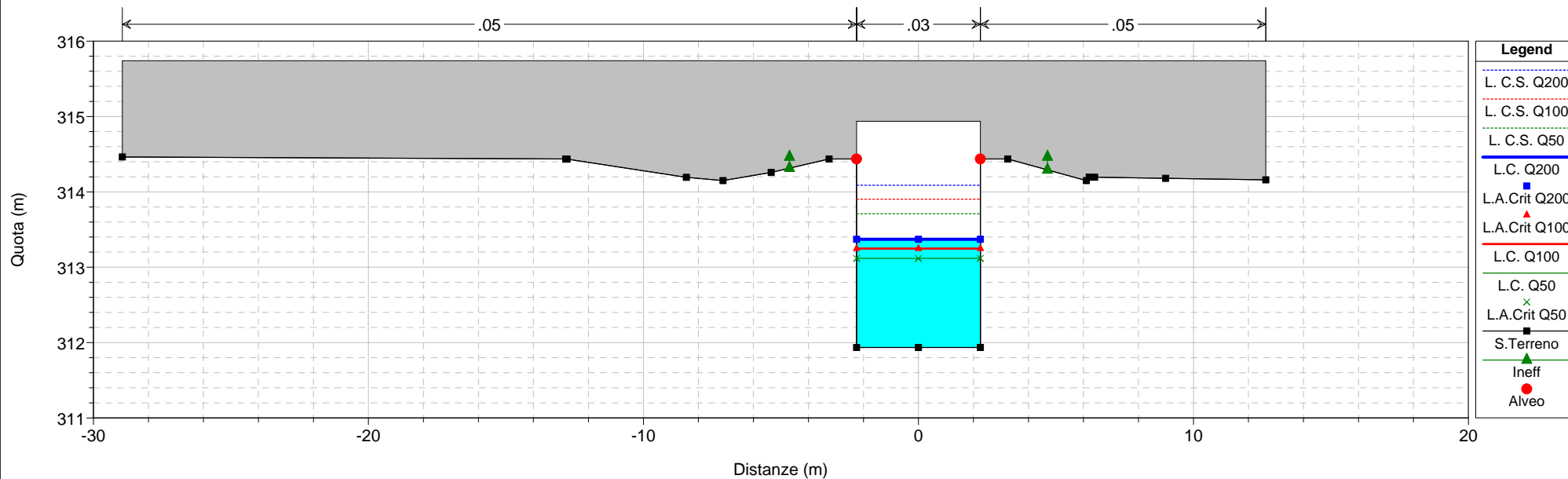
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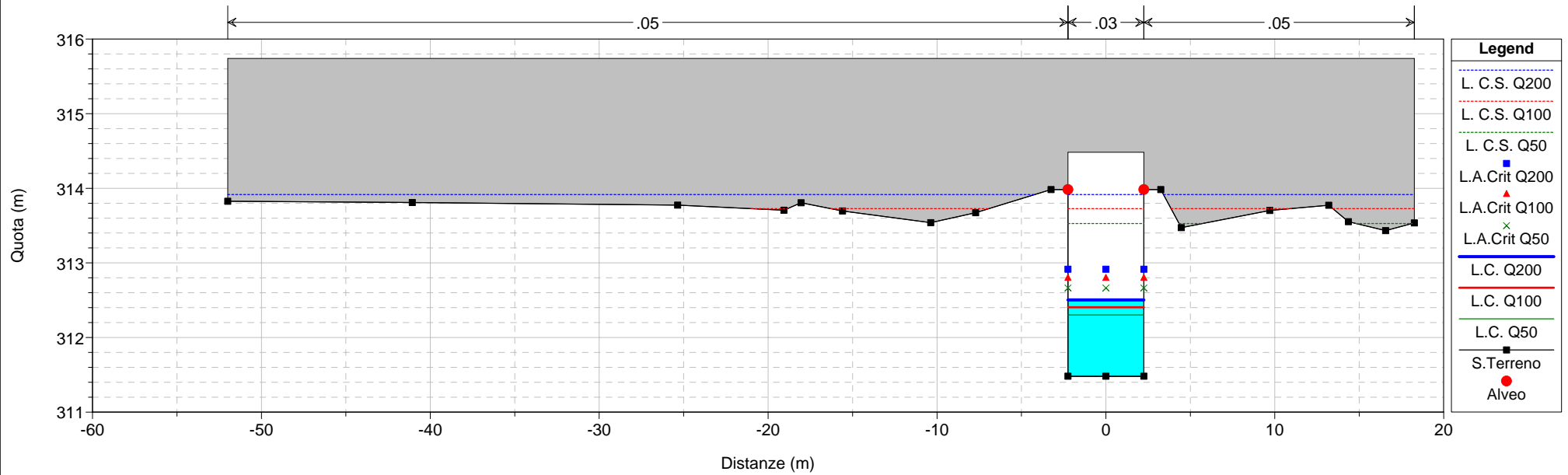


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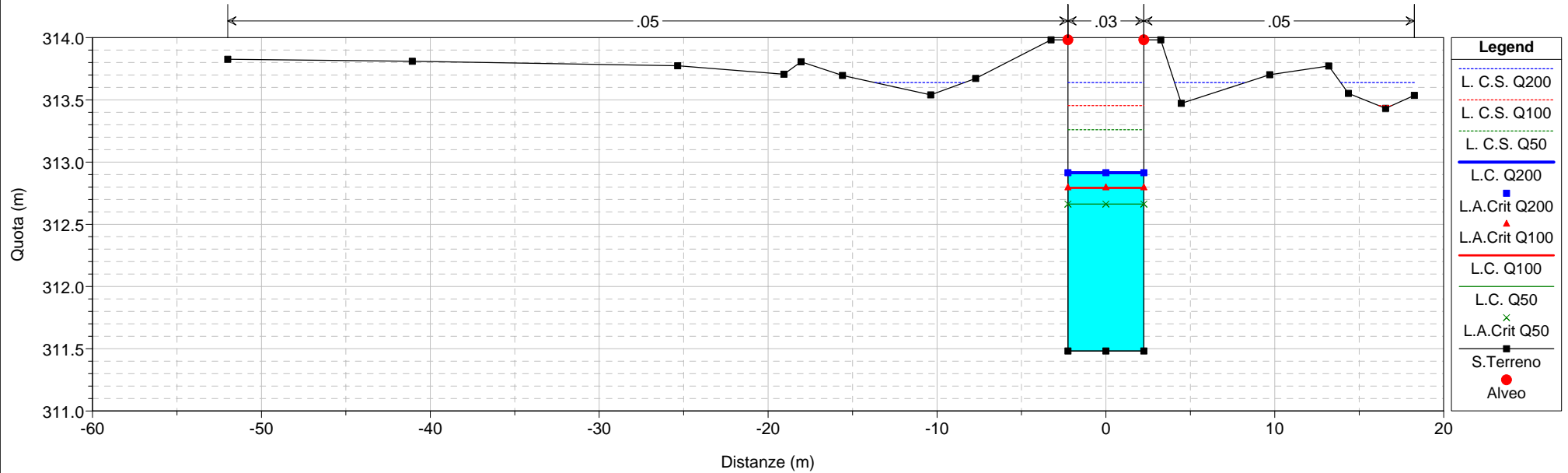
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Cava del Bosco_Post Operam RS = 8183.06 Culv SCATOLARE TS16

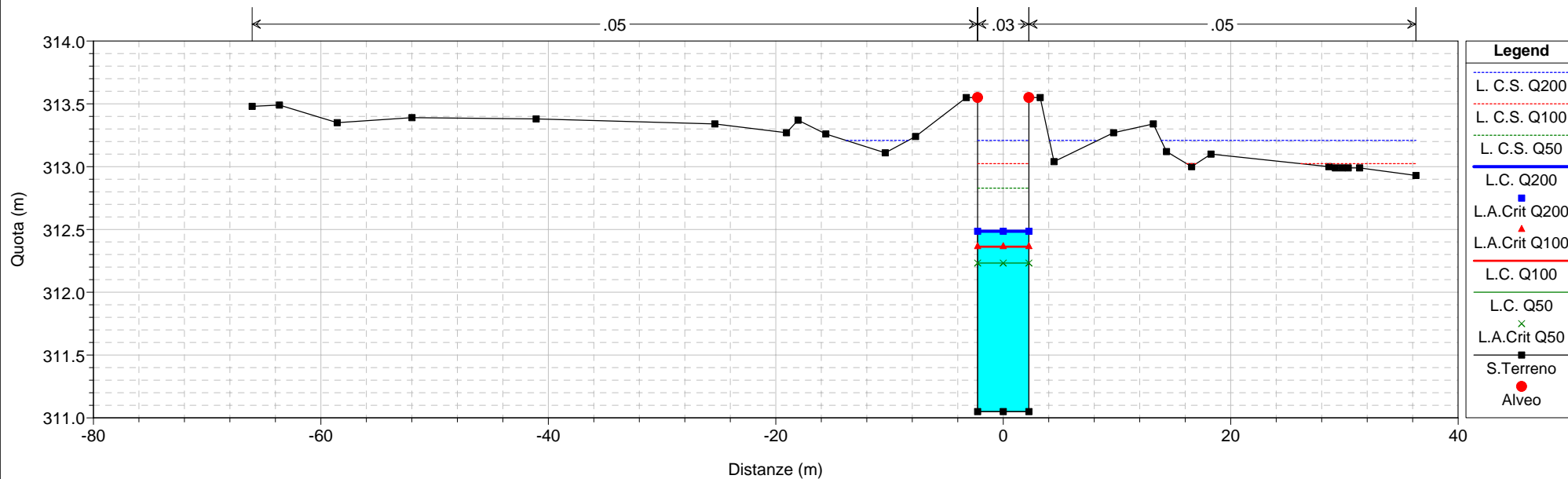


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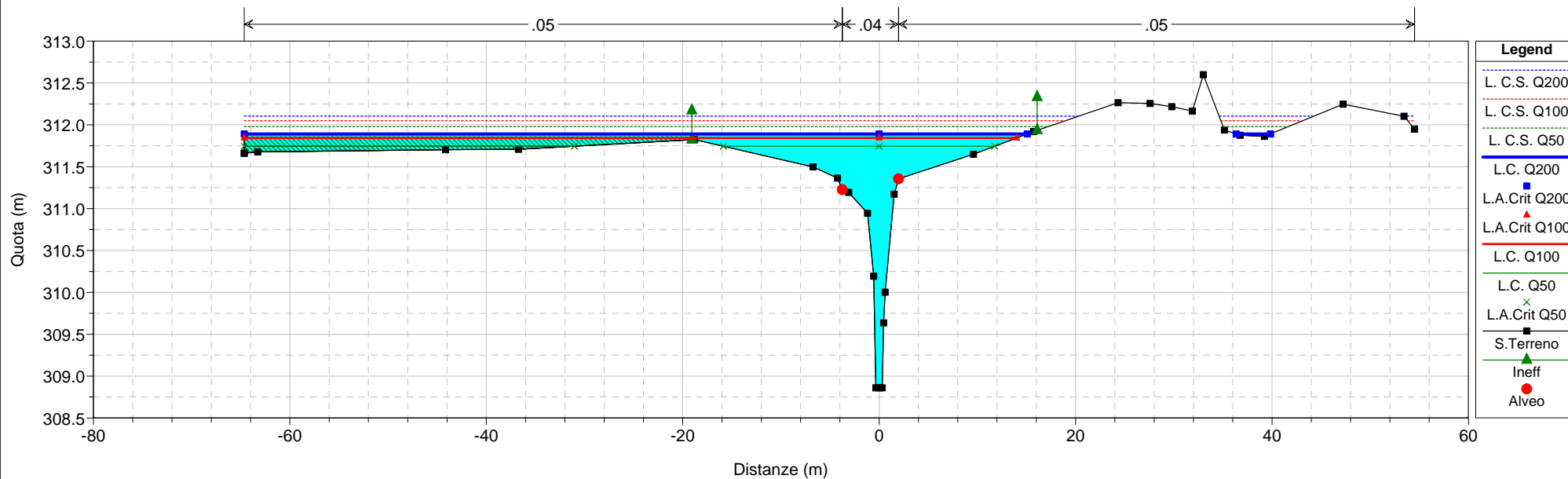
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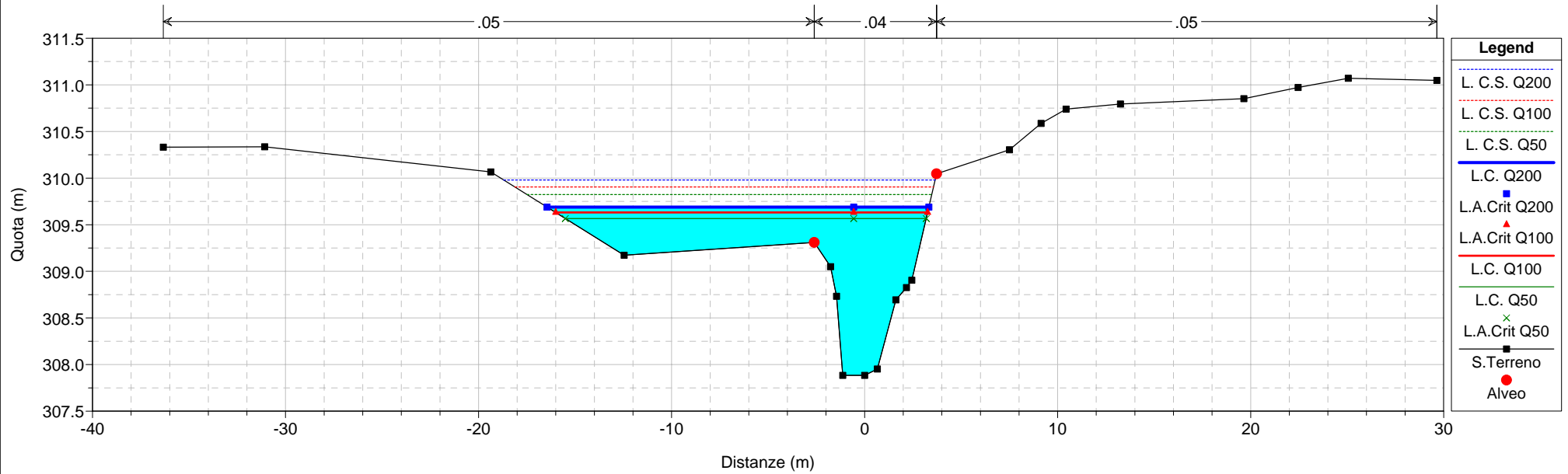
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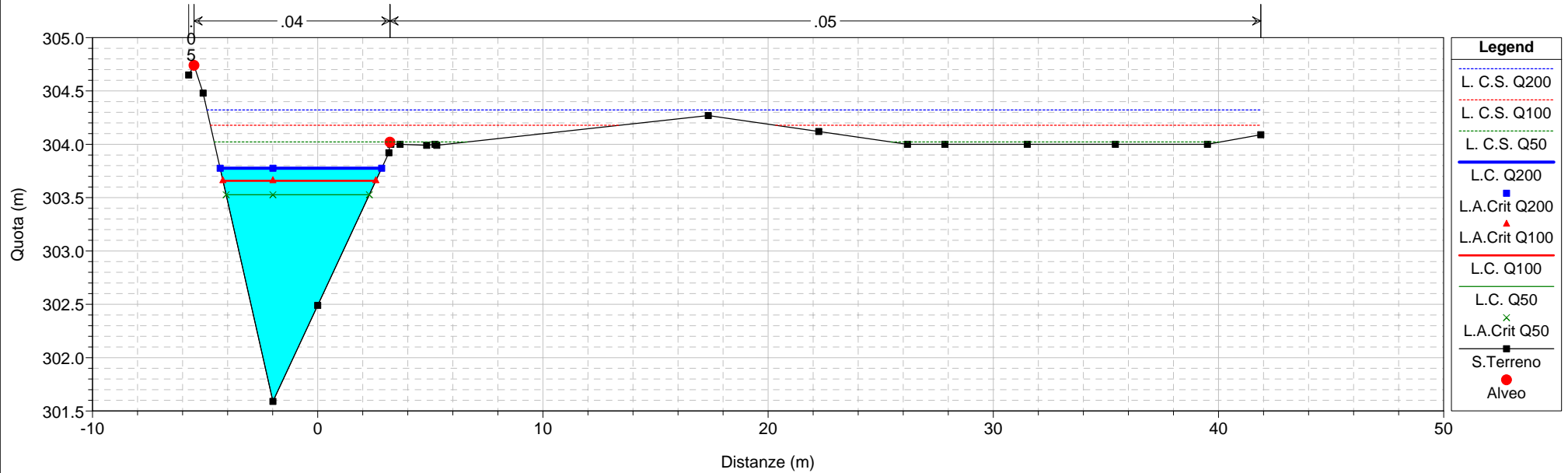
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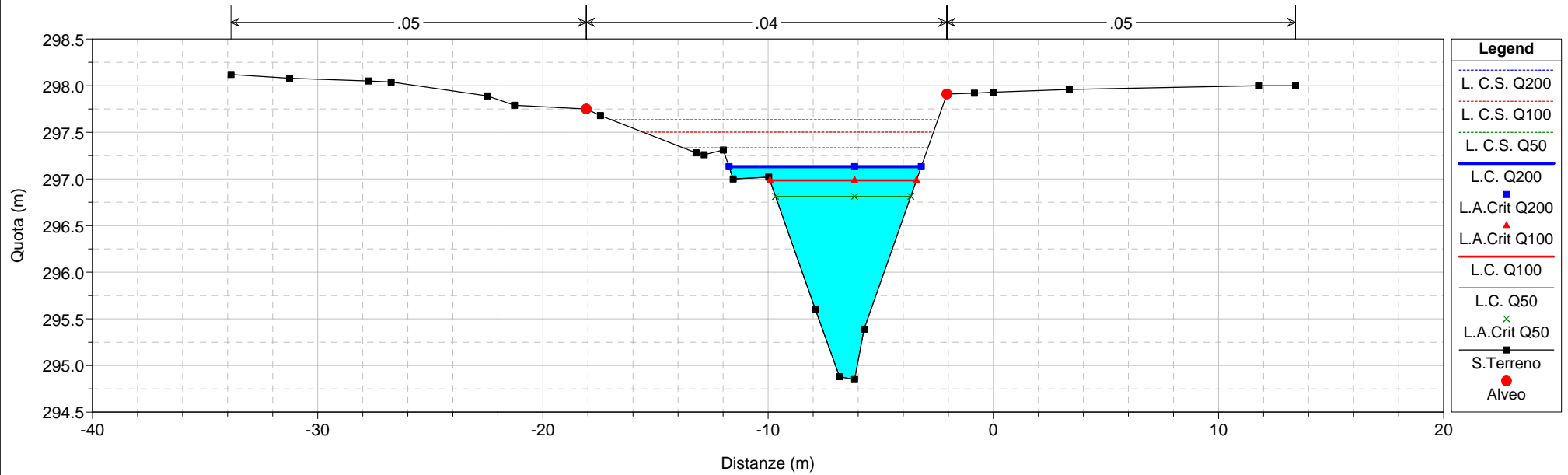
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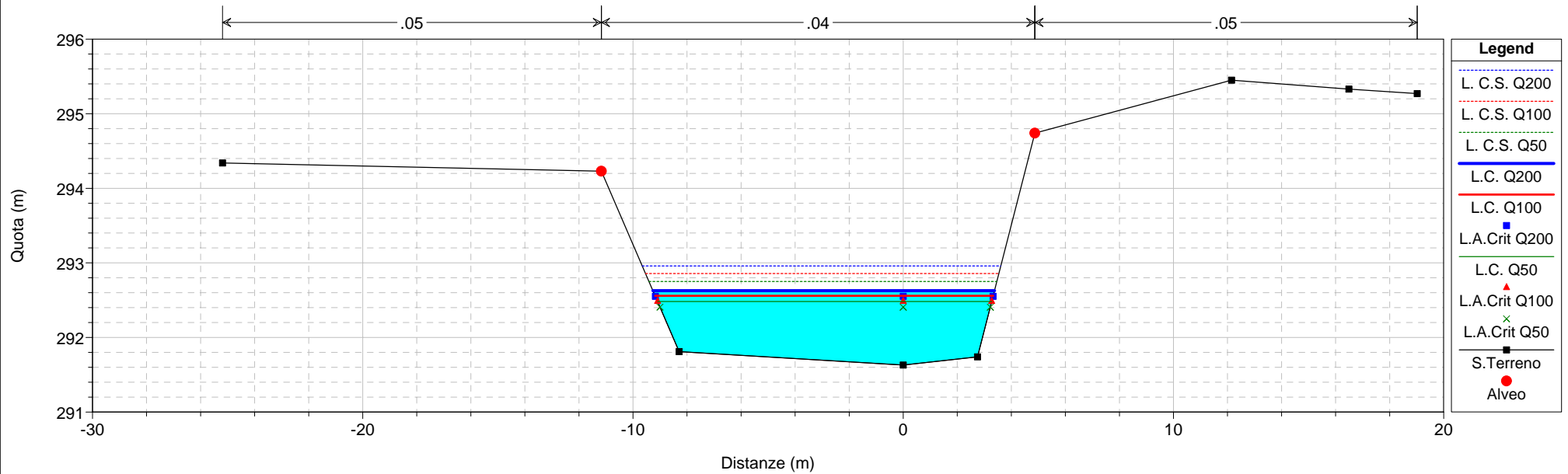
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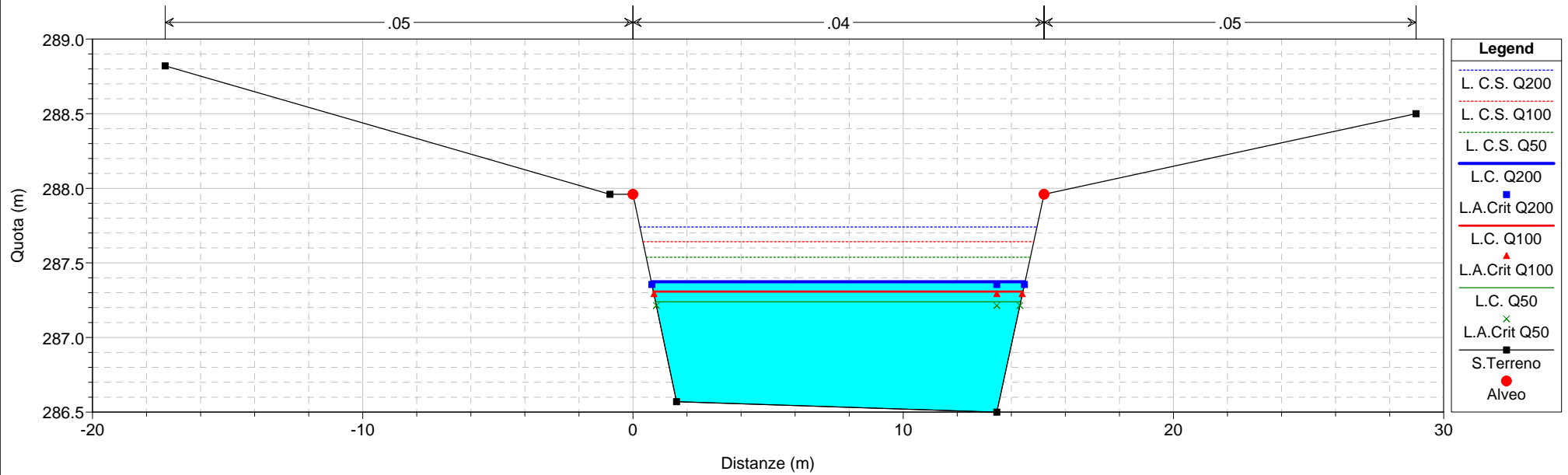
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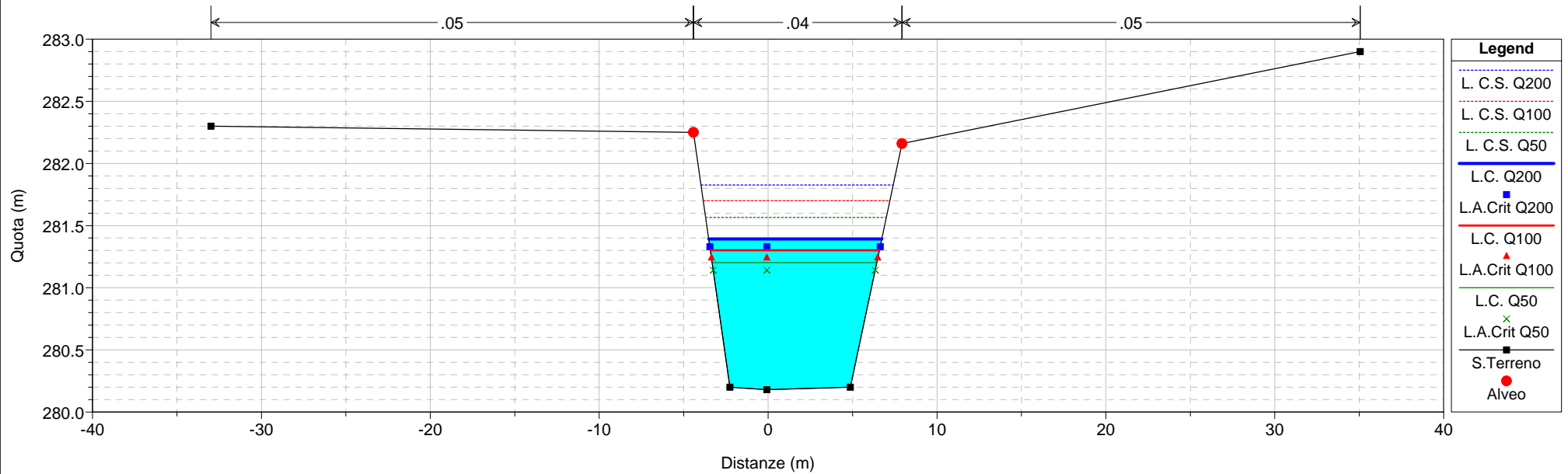
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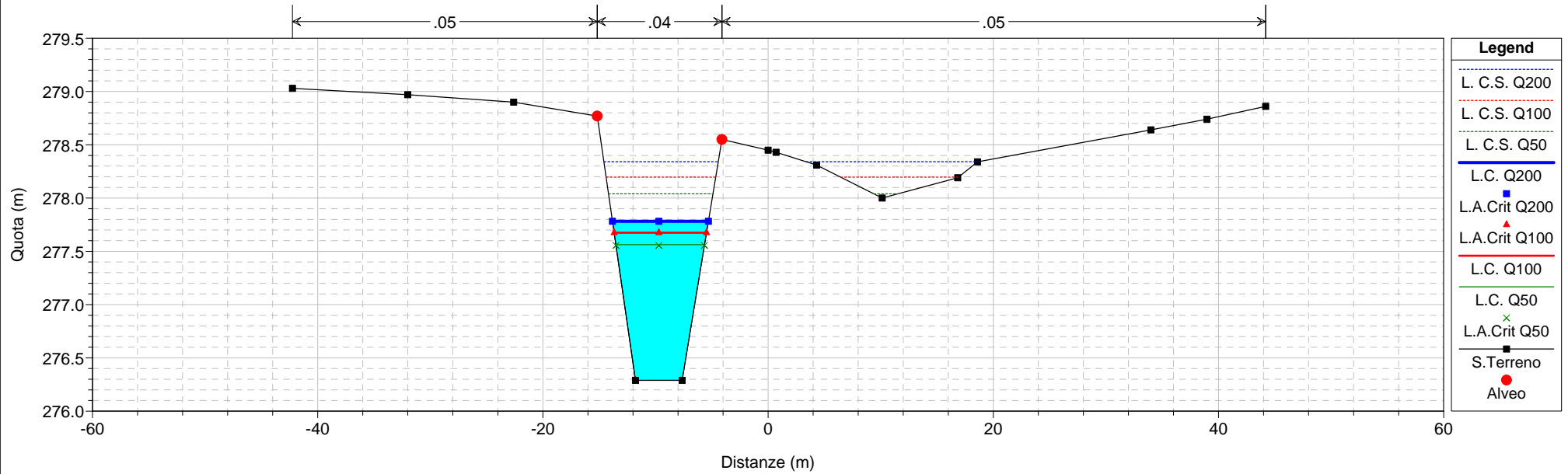
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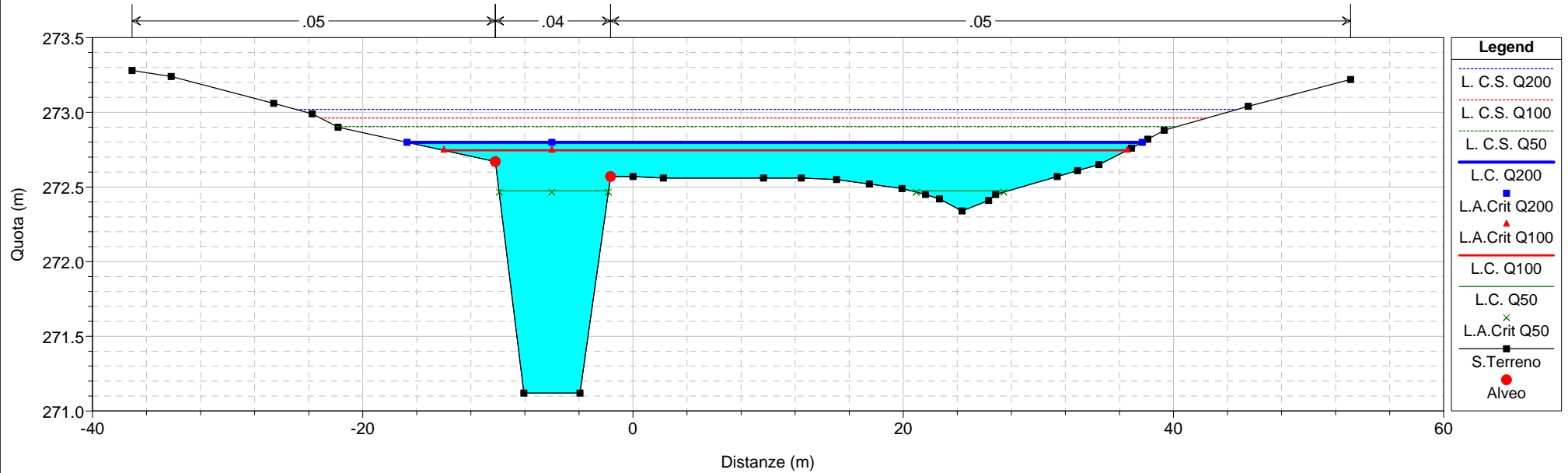
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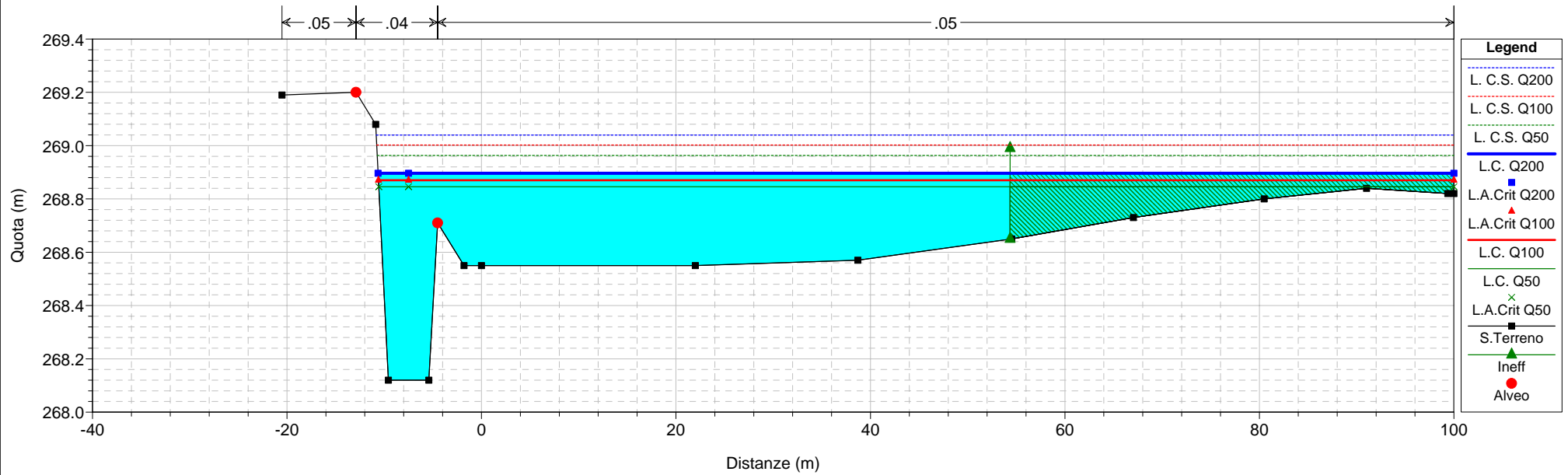
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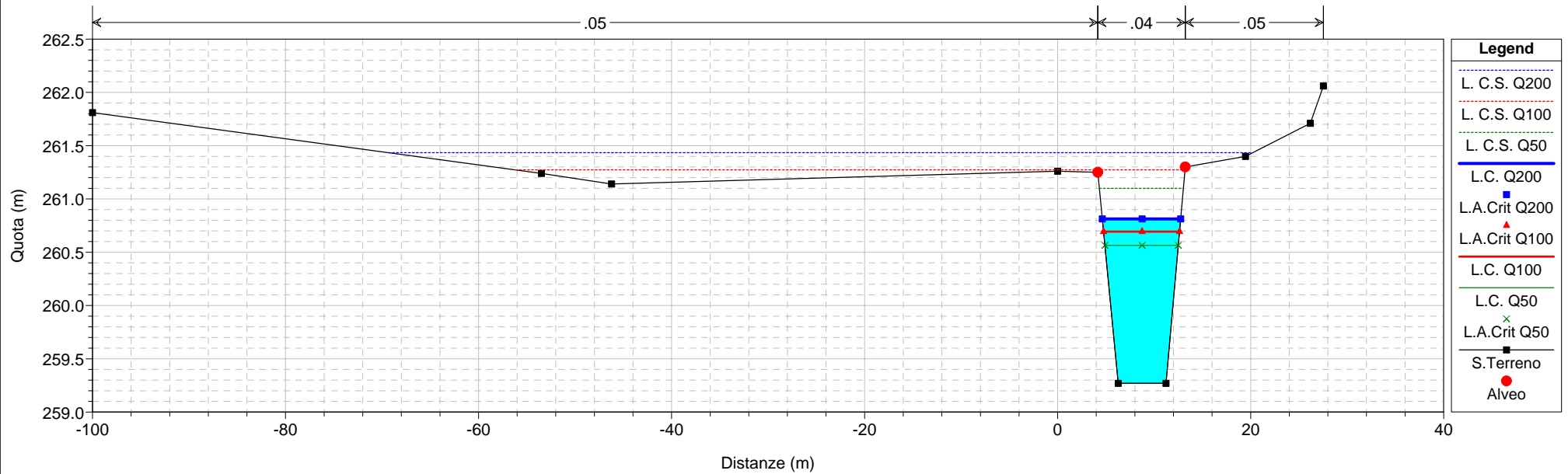
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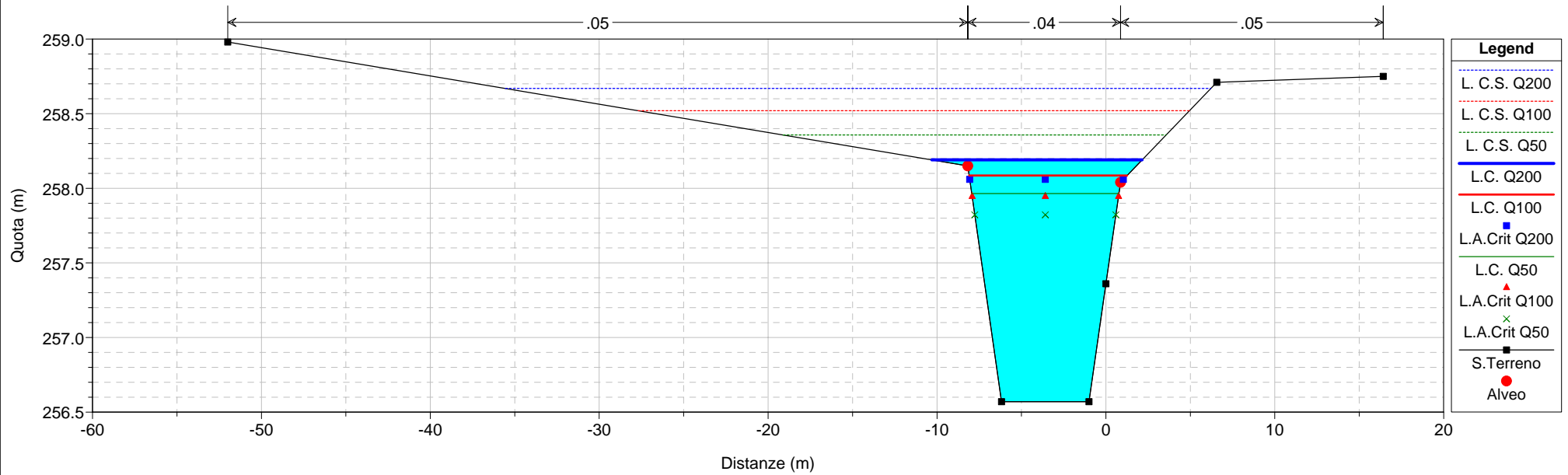


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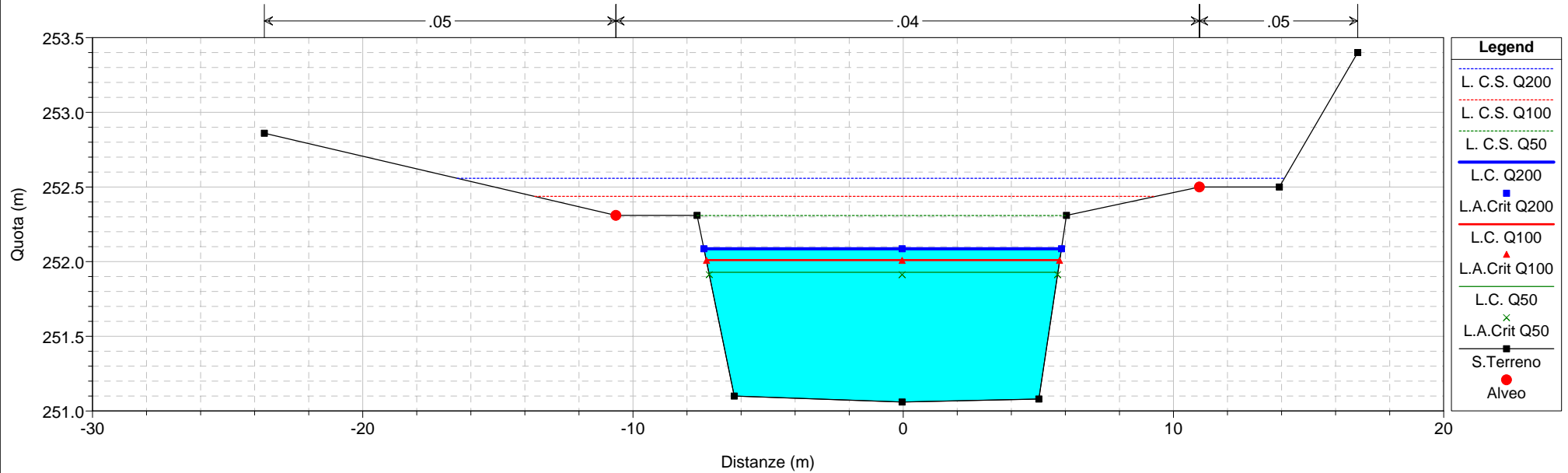
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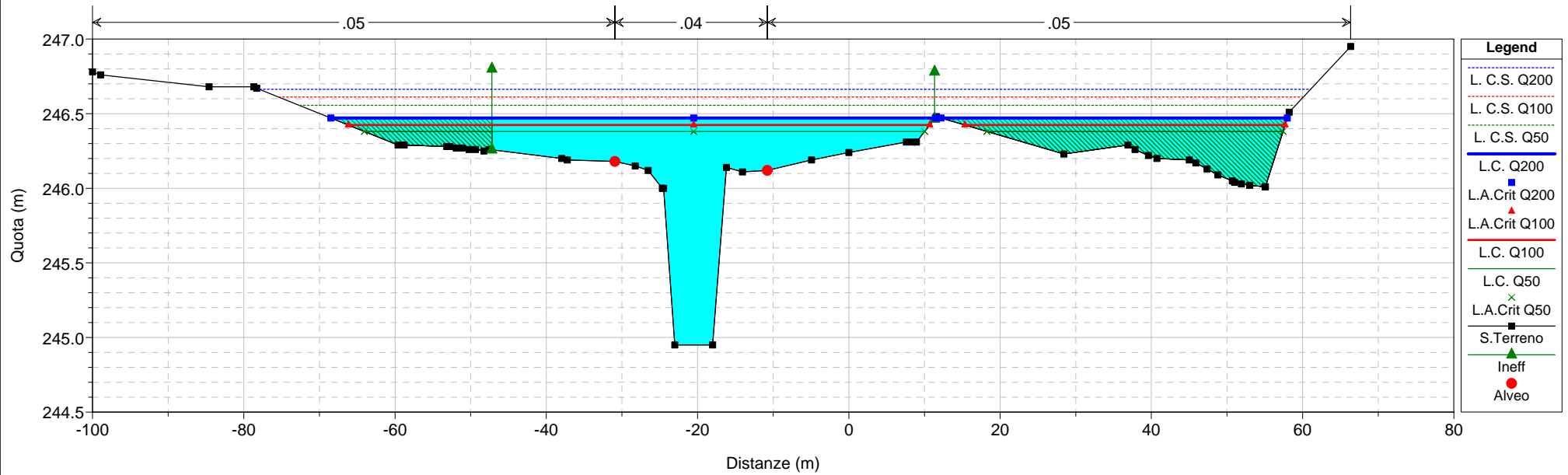


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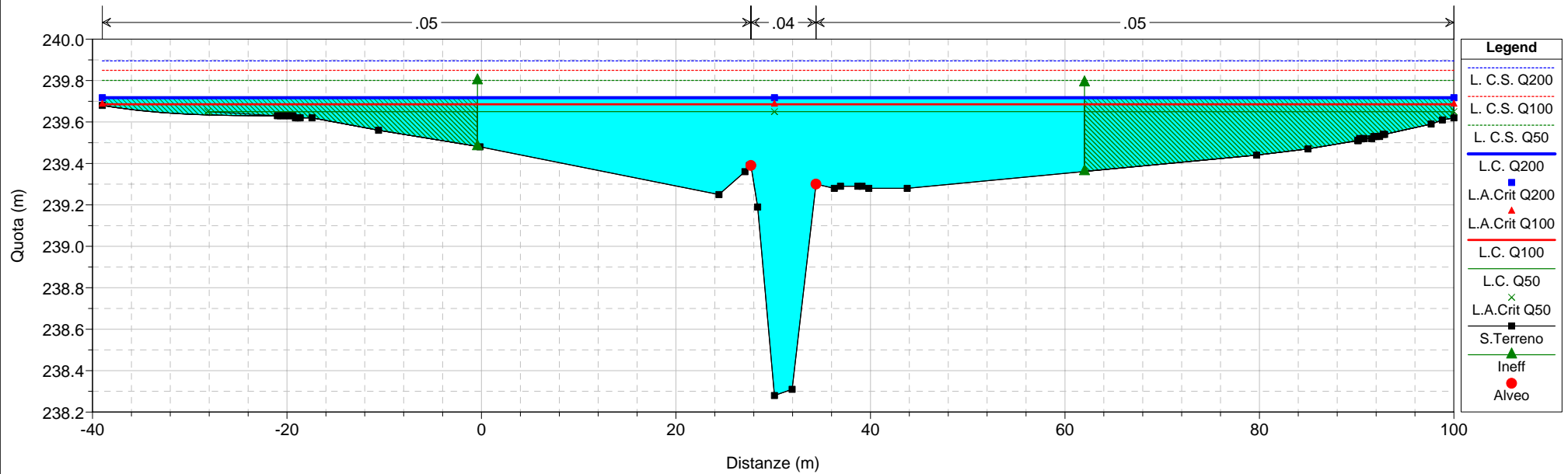
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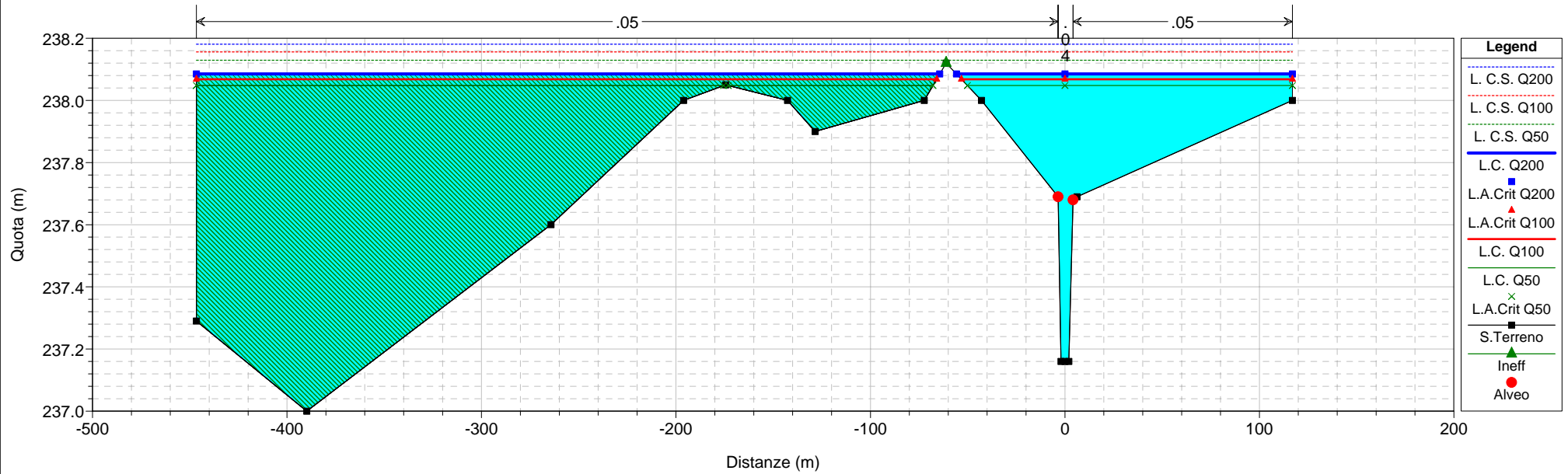


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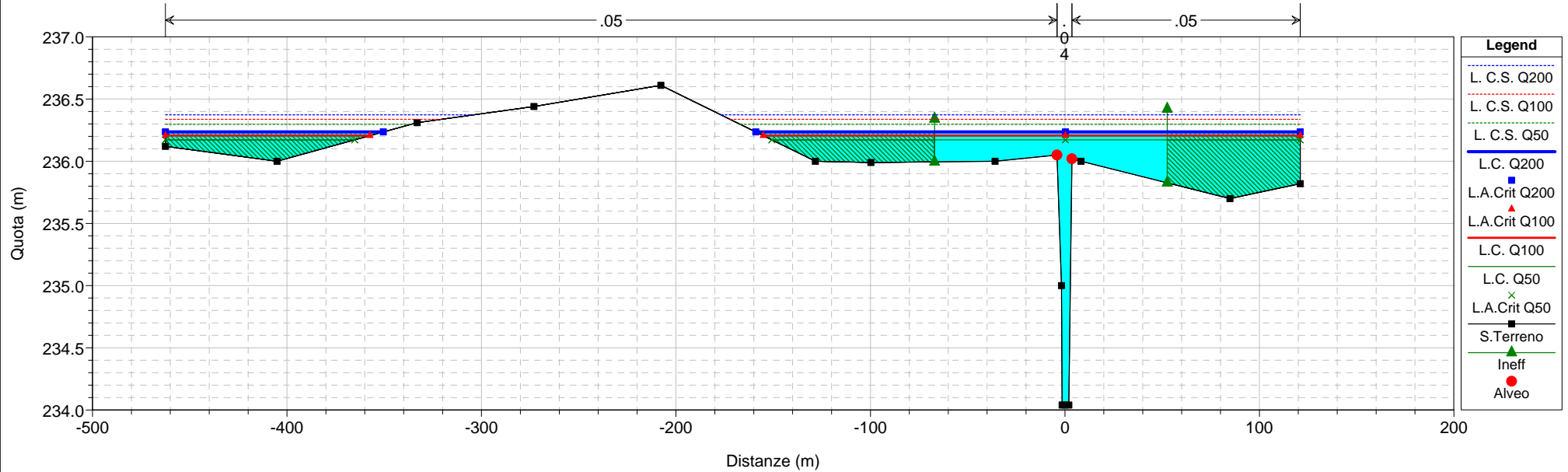
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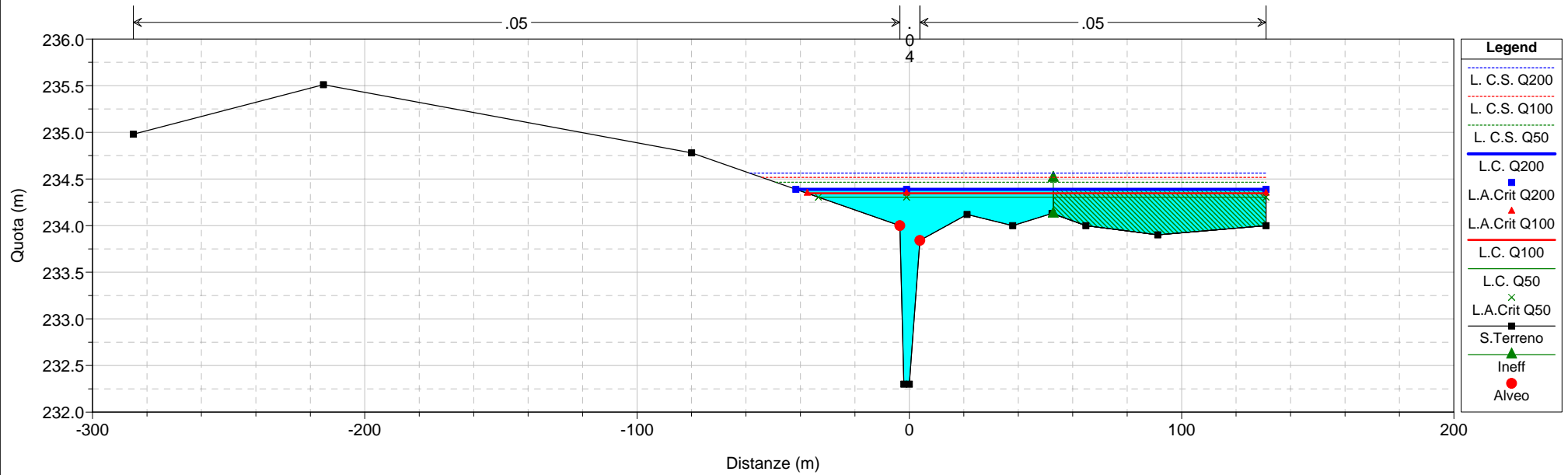


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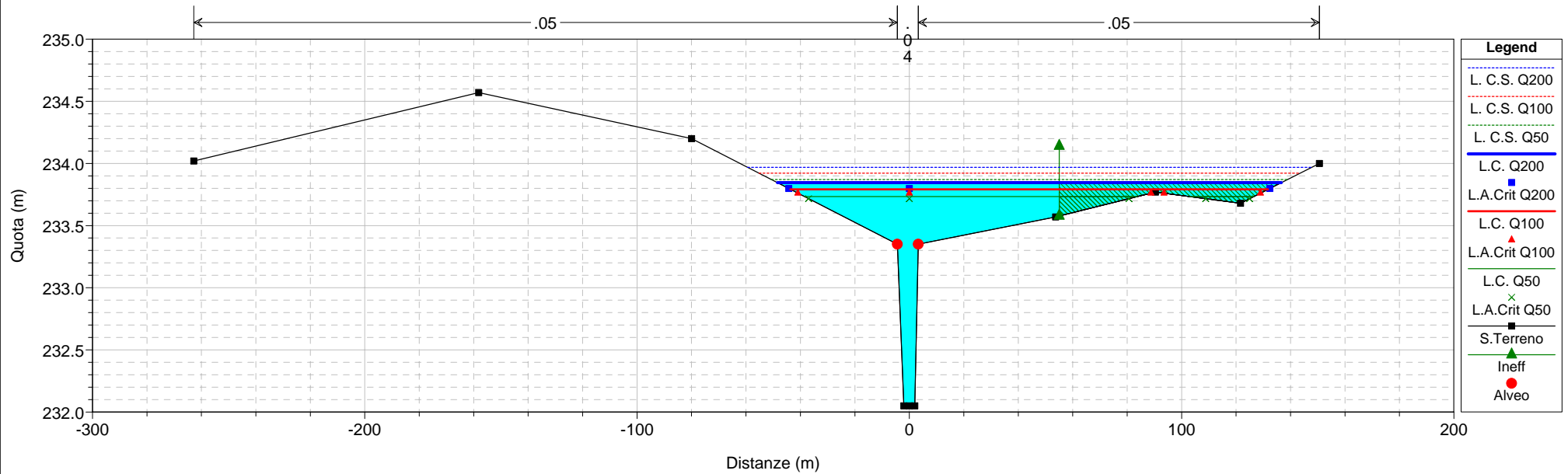
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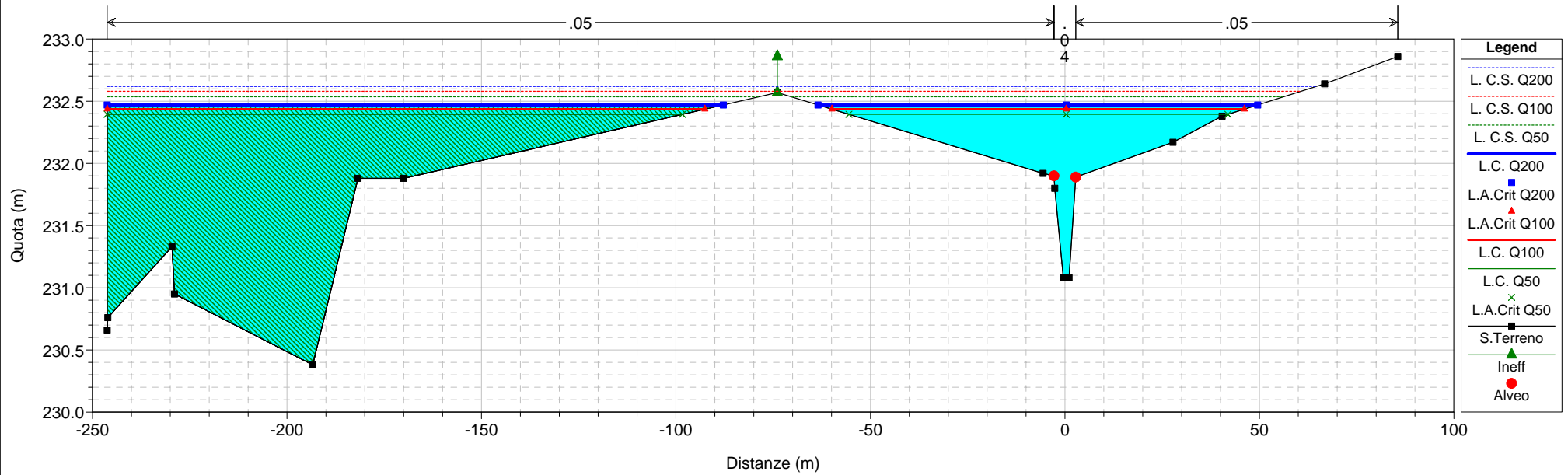
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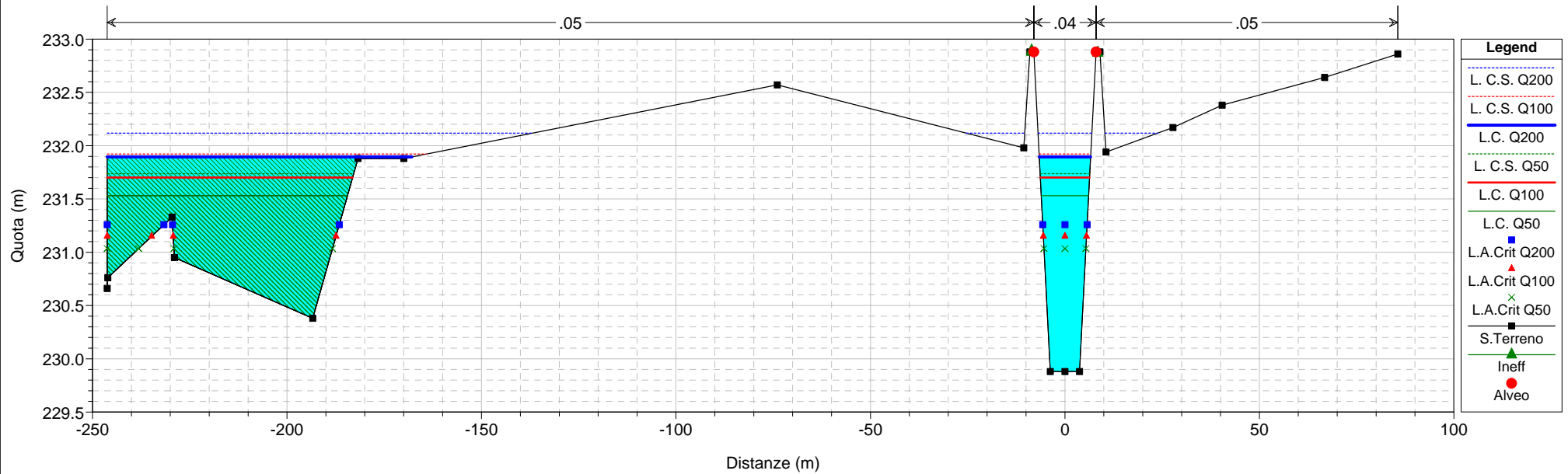
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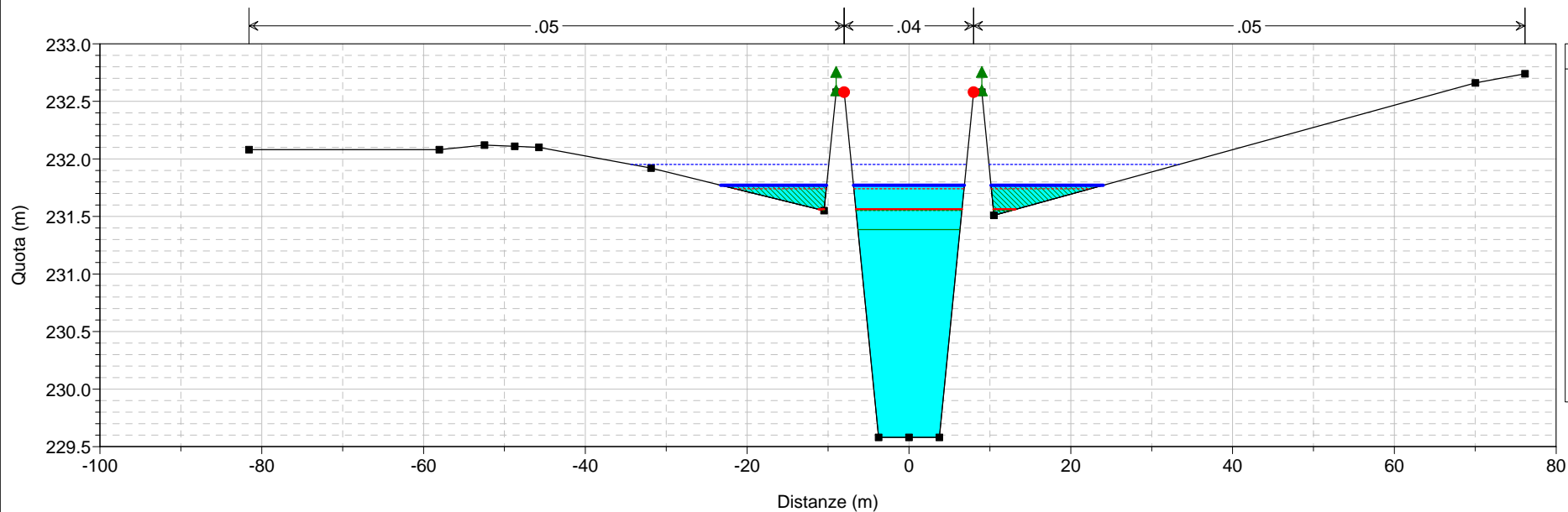
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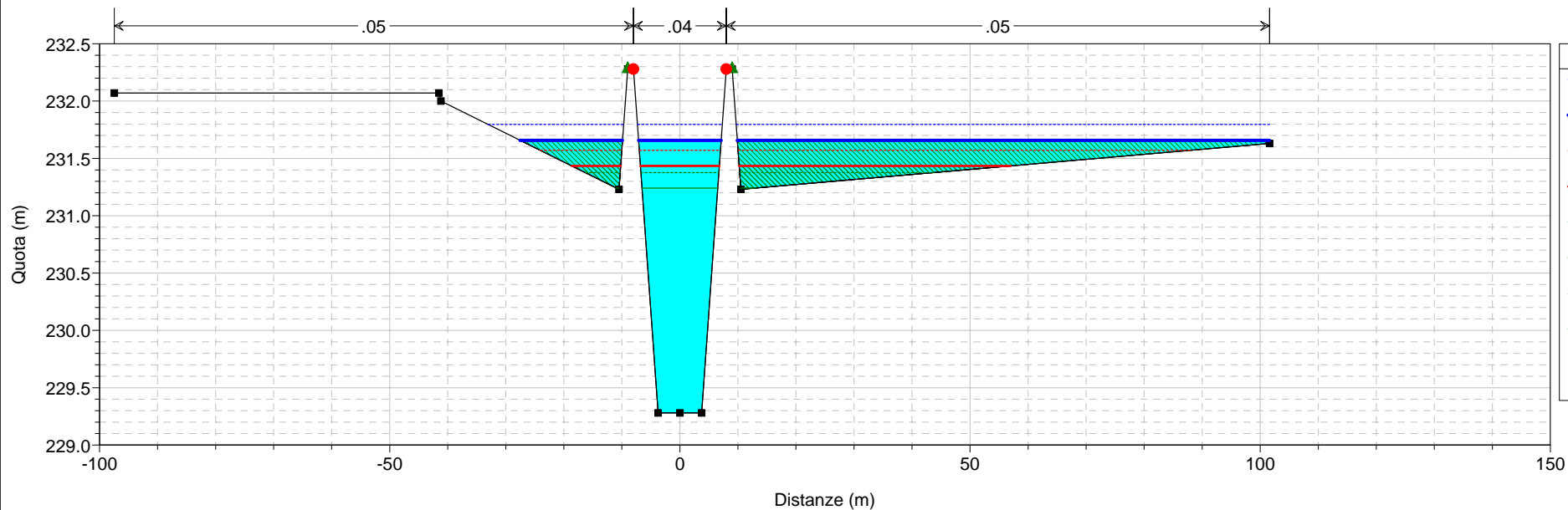
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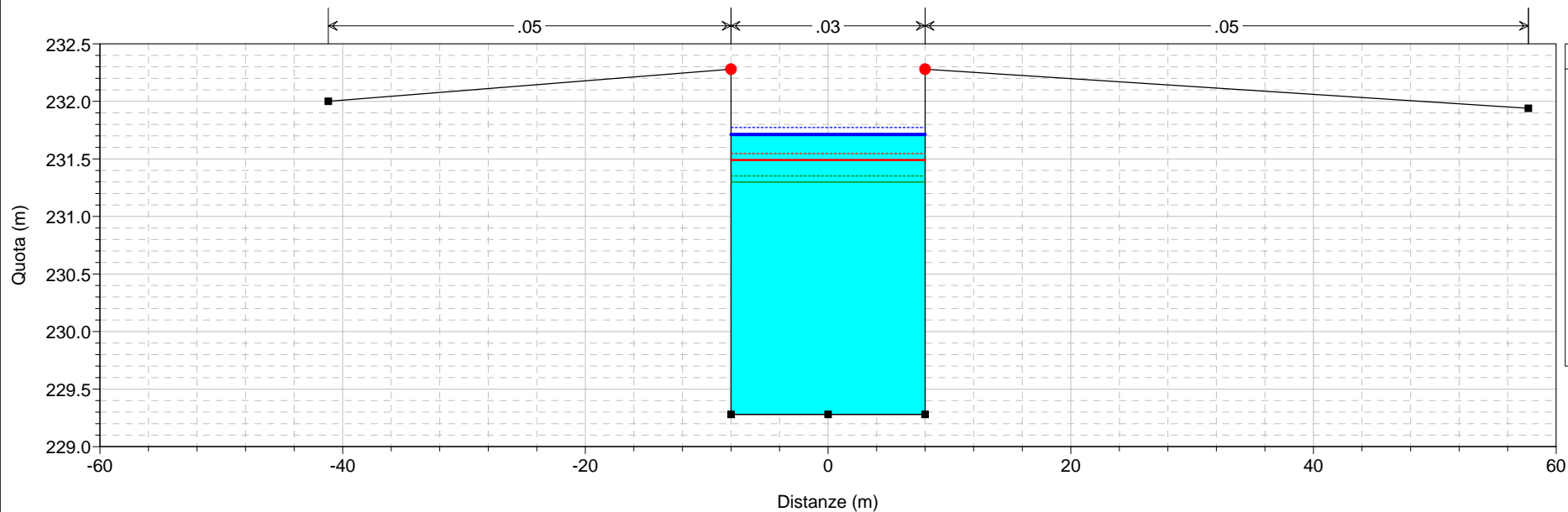
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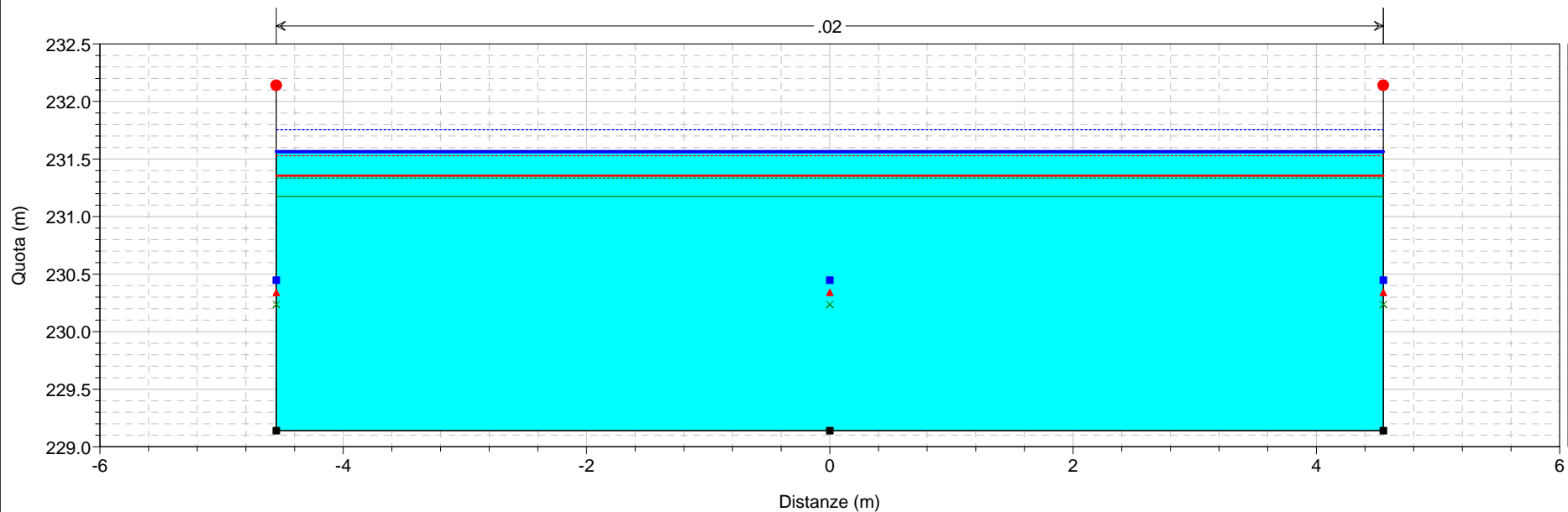
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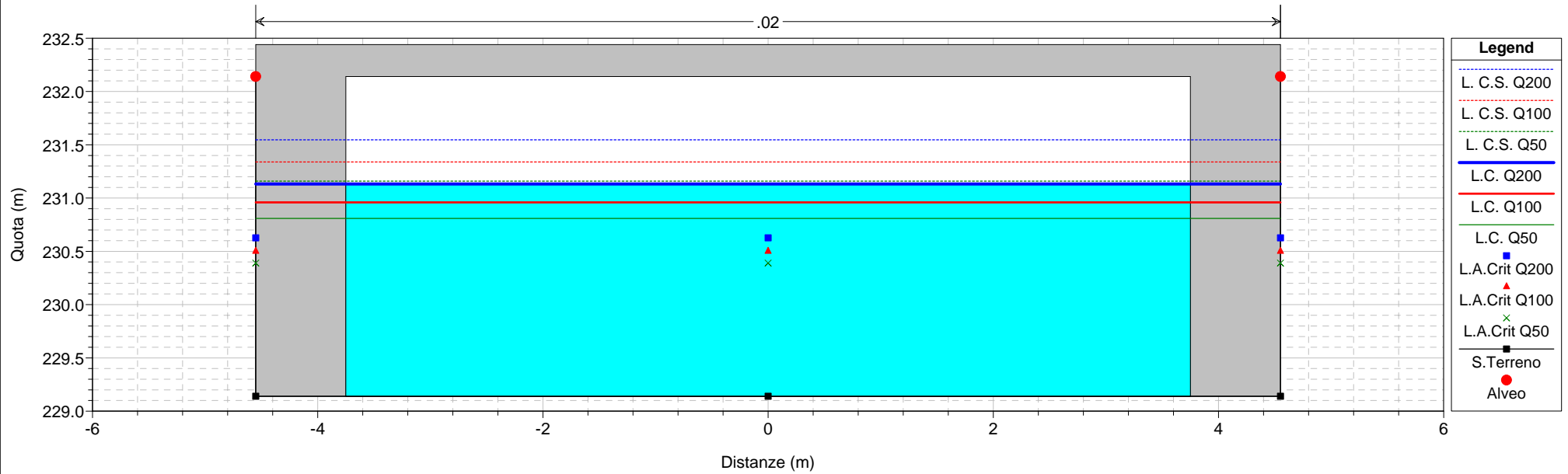


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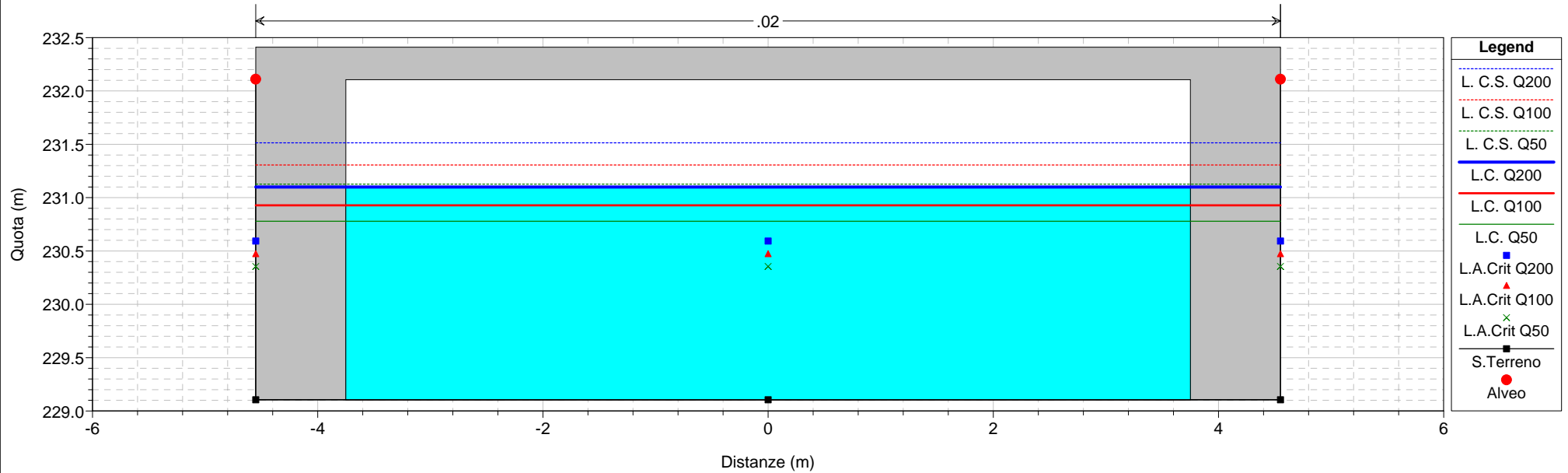
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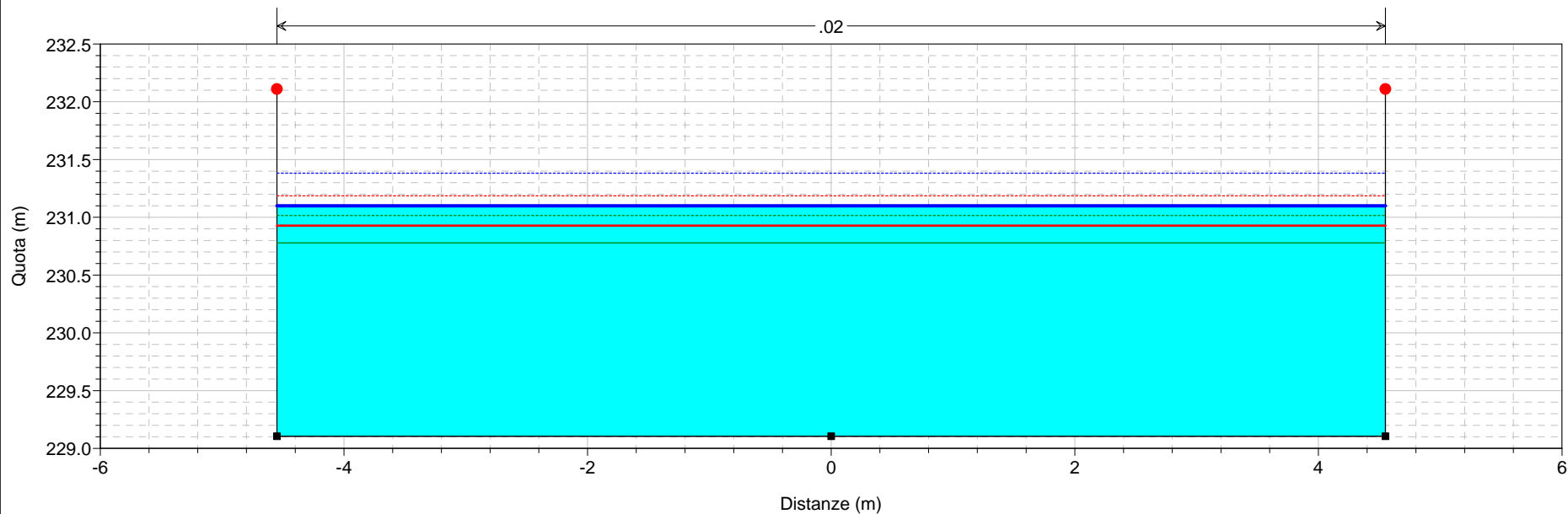


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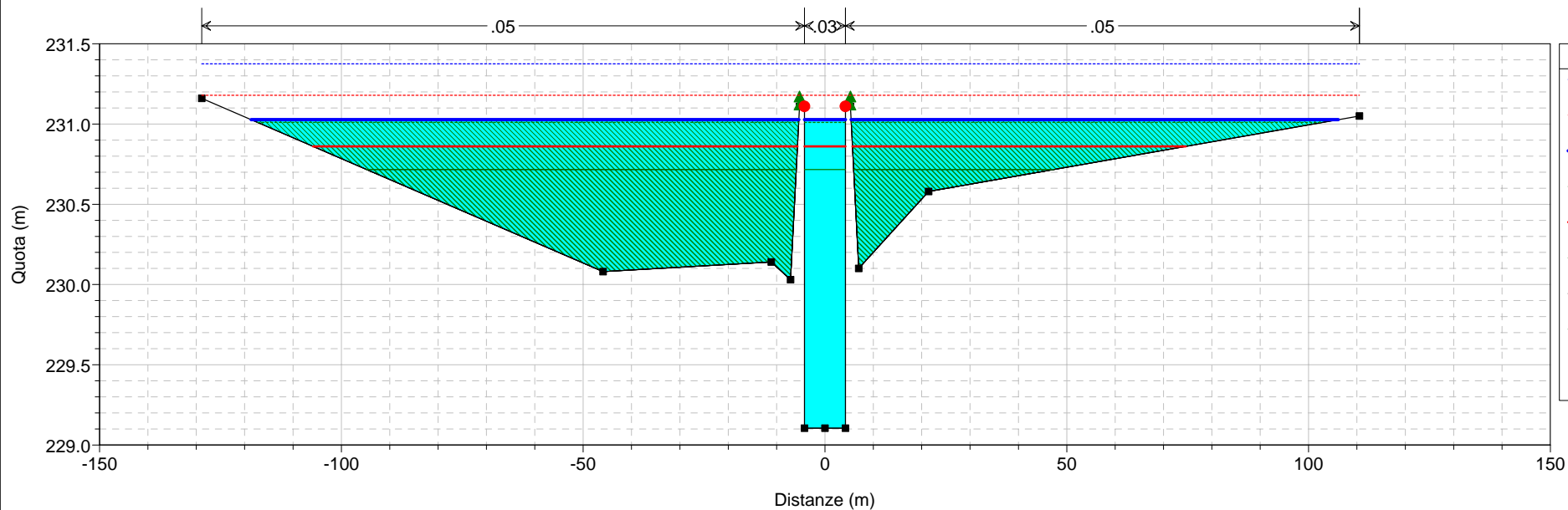
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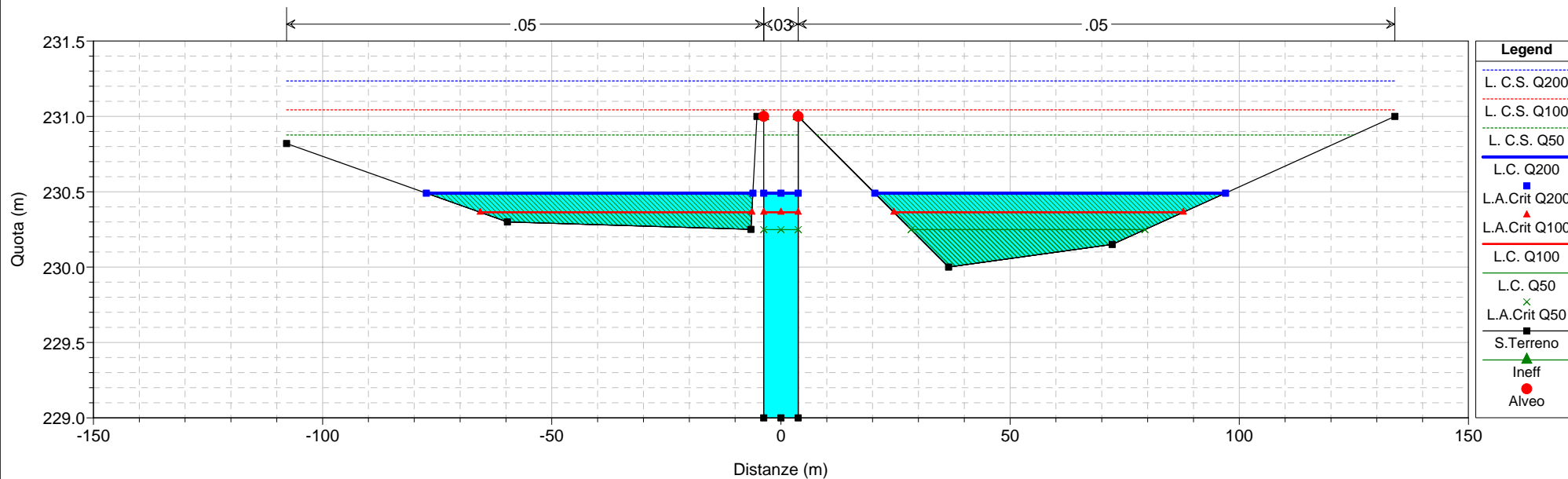
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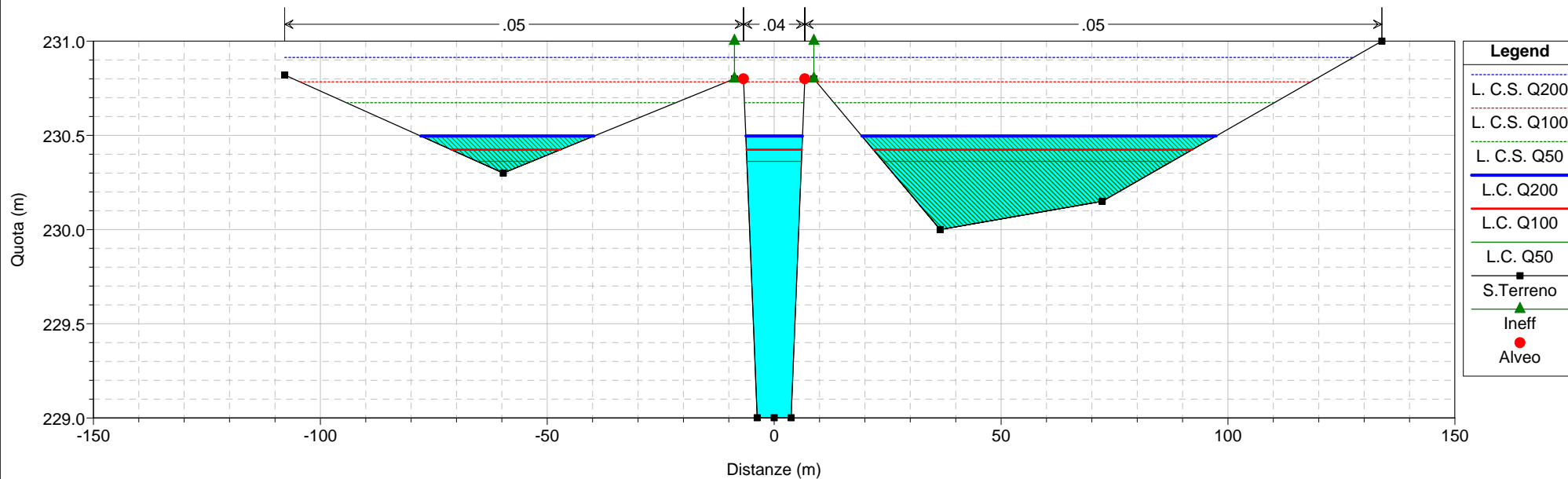
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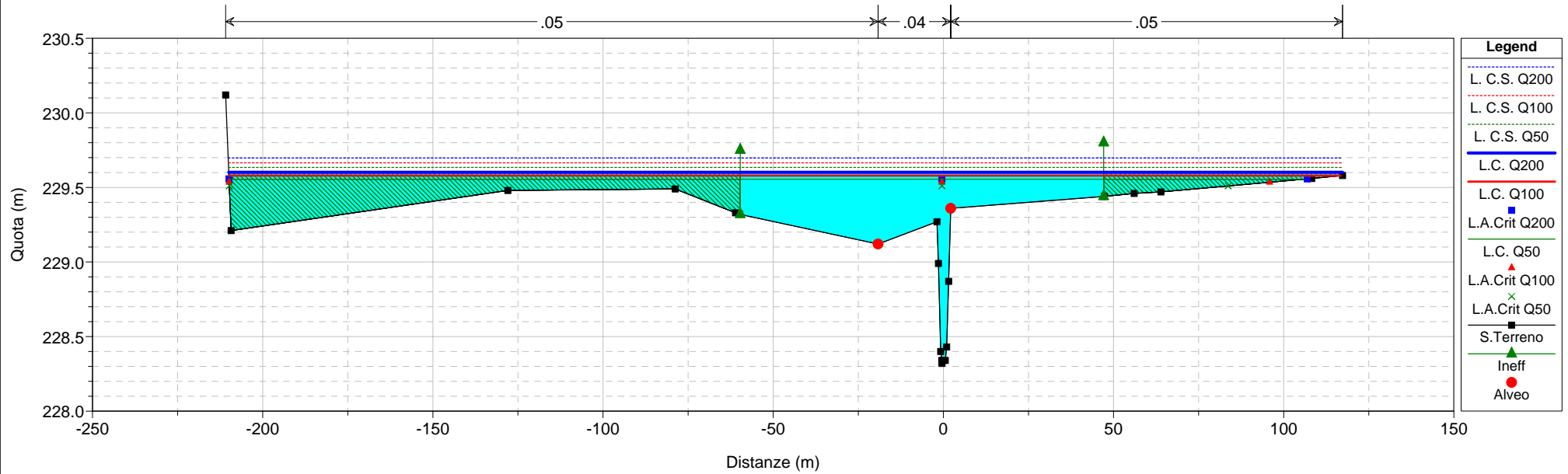
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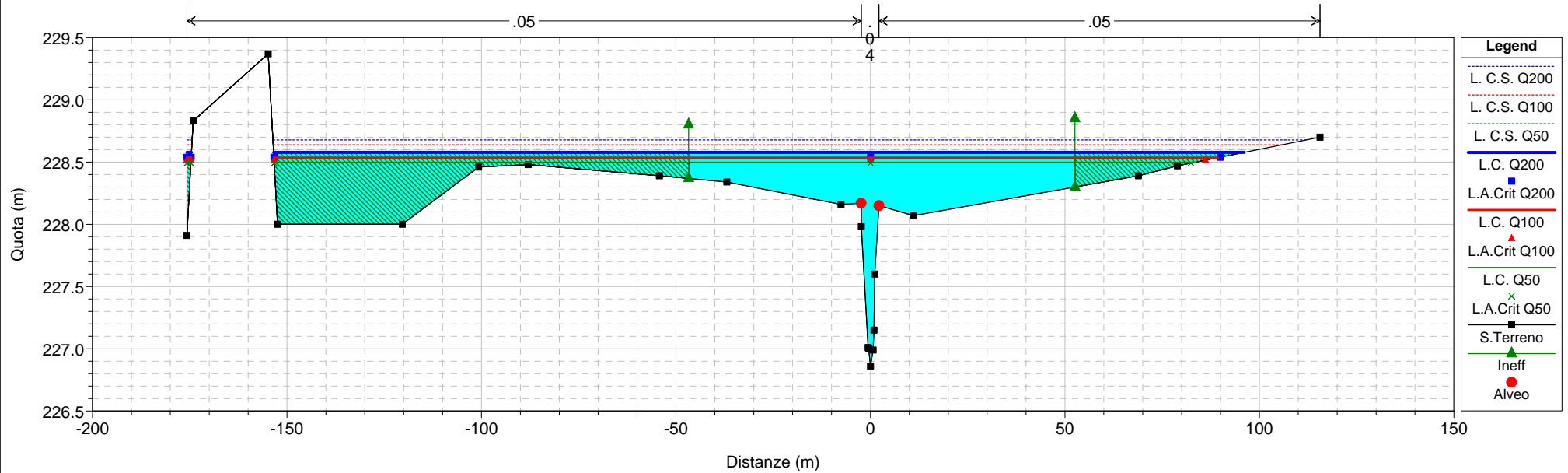
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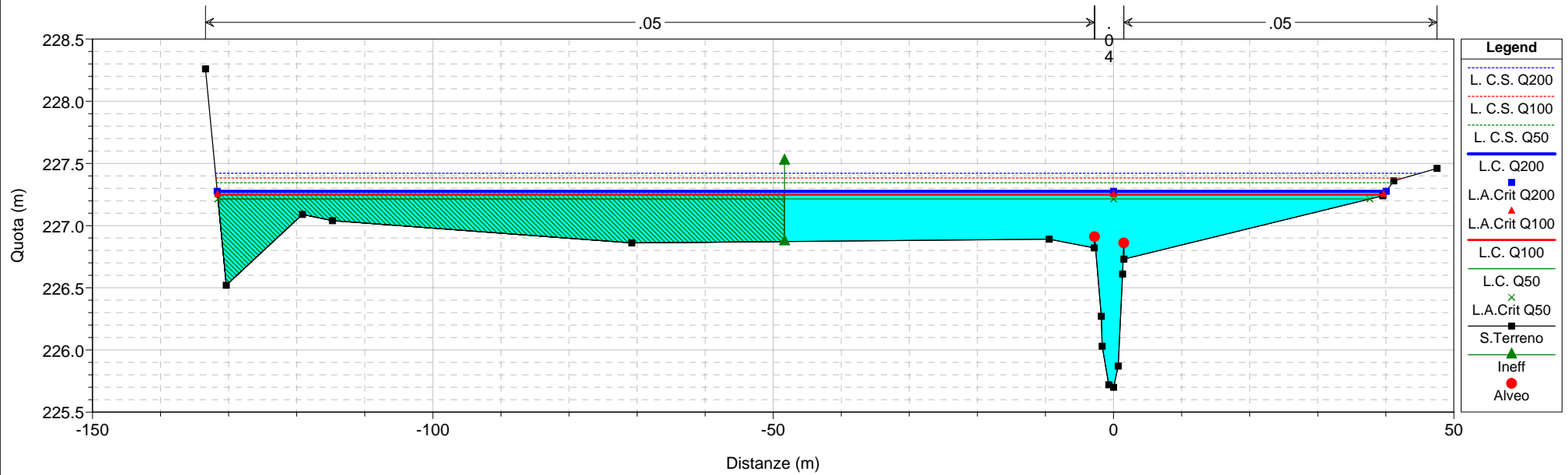
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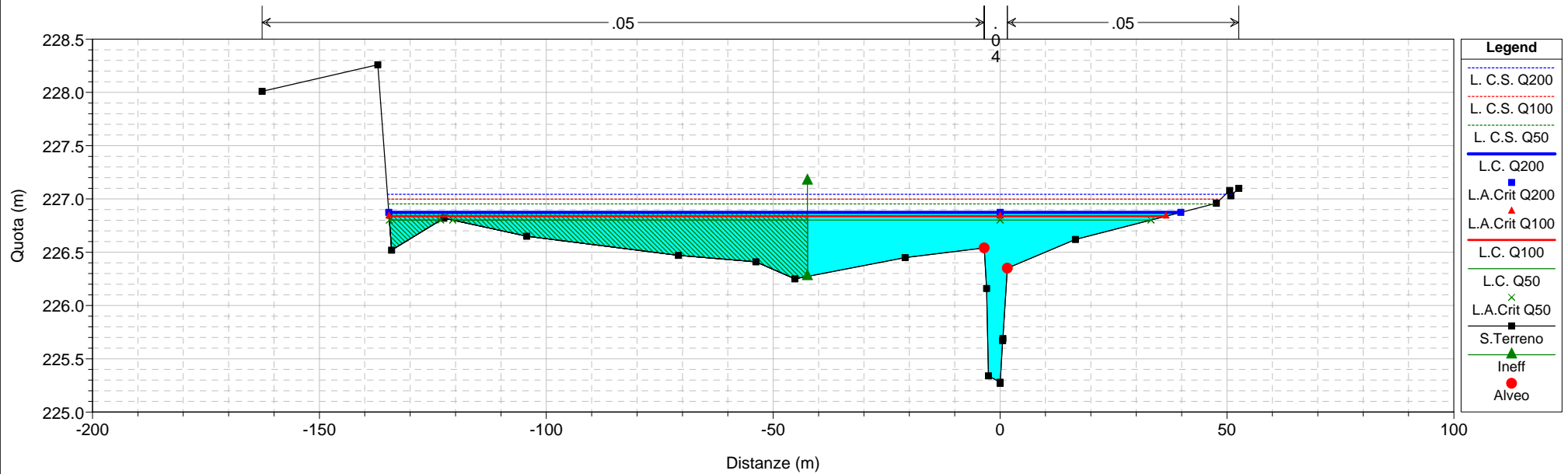
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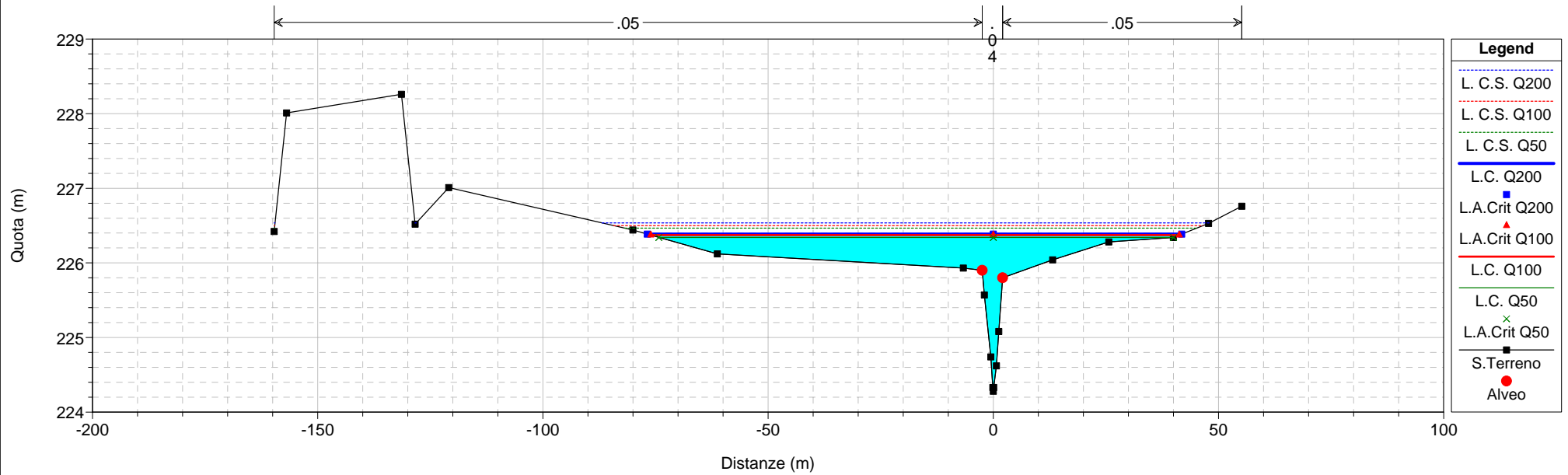
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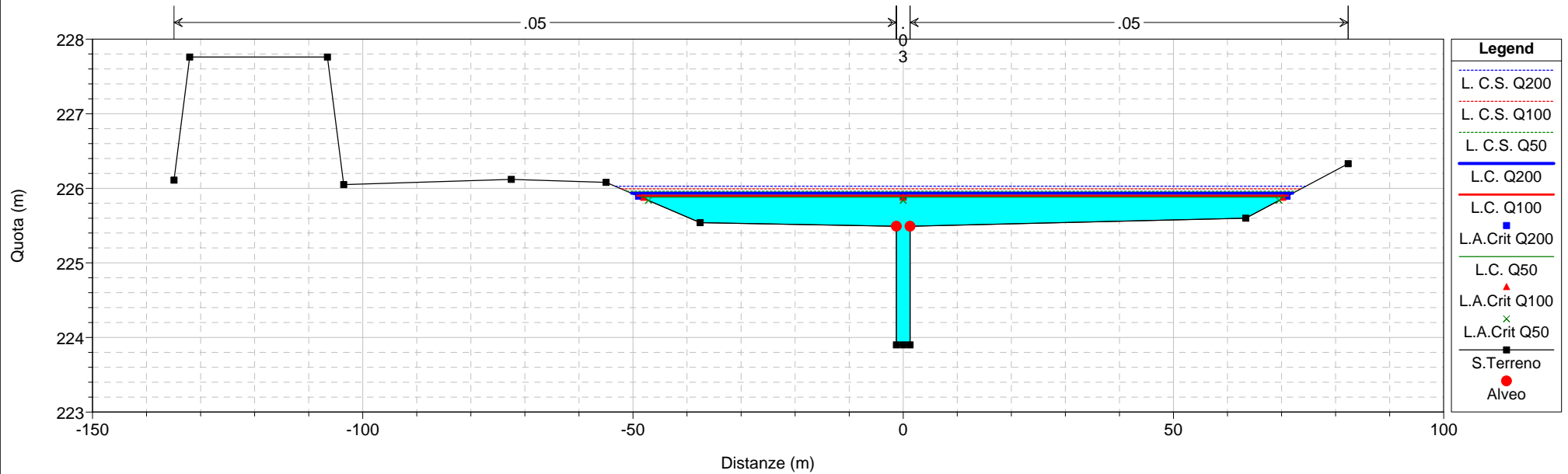
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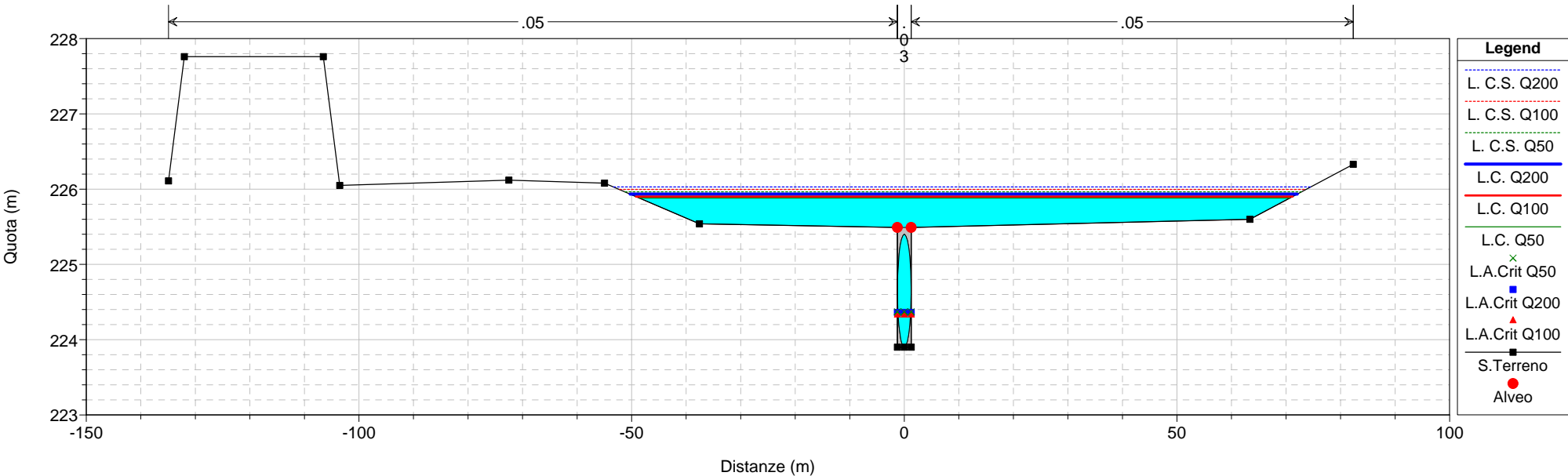


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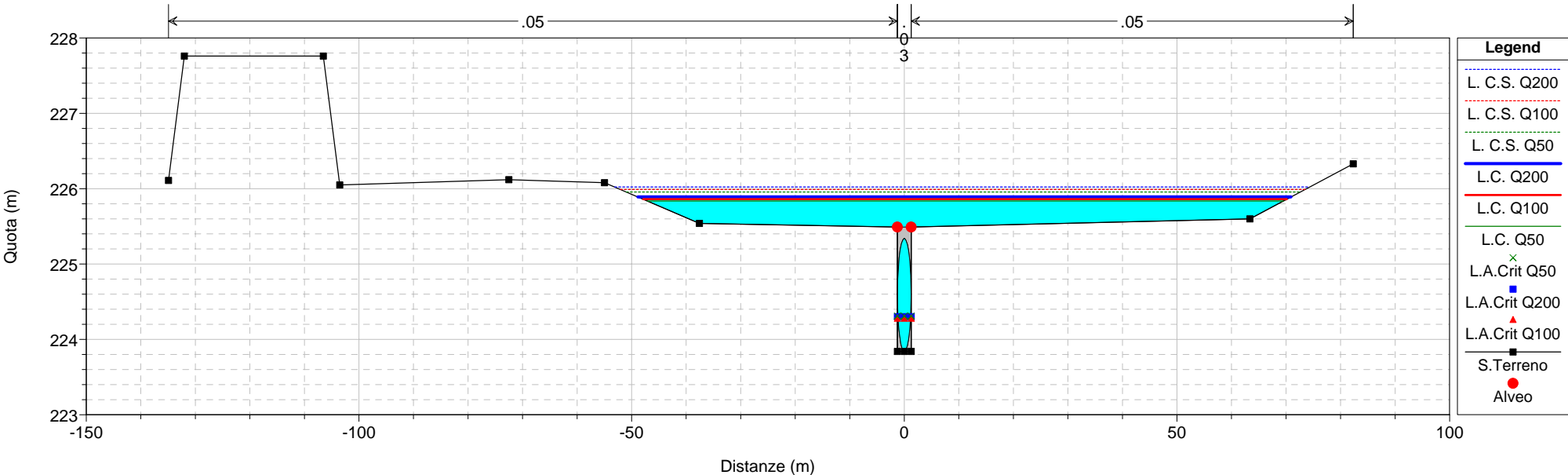
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Cava del Bosco_Post Operam
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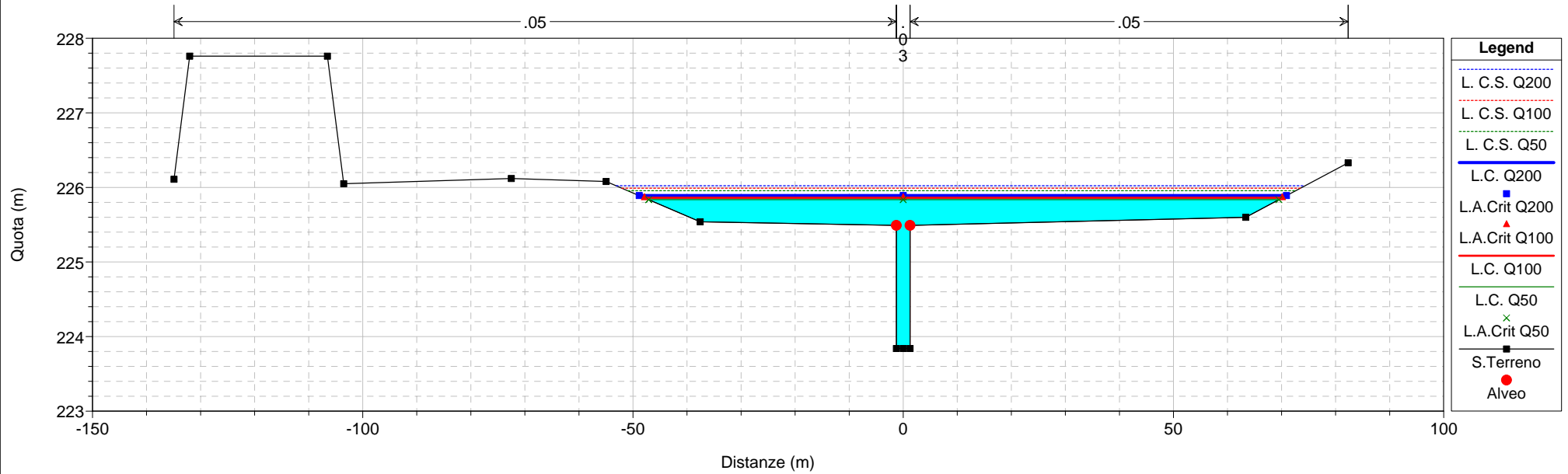


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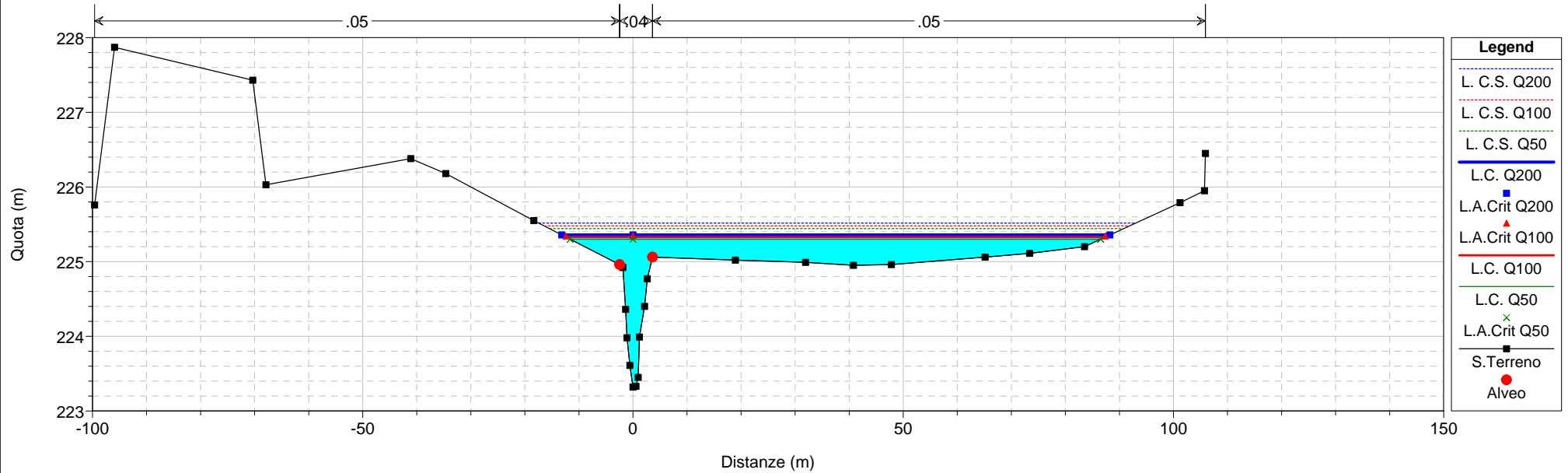
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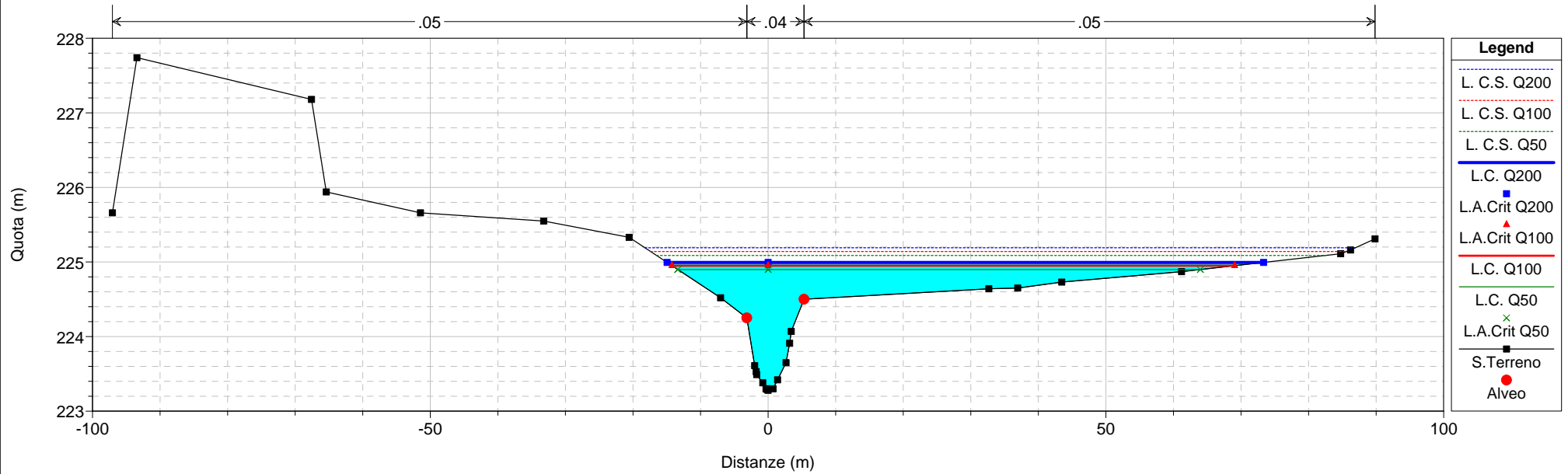
Cava del Bosco_Post Operam

RS = 2842.12 S.58



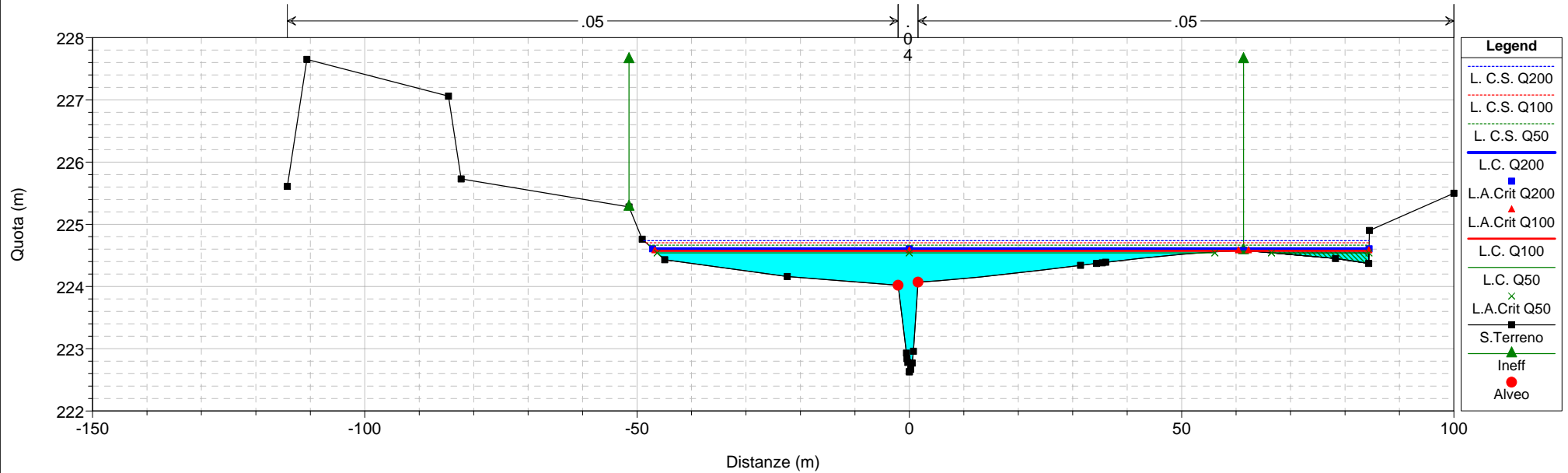
Cava del Bosco_Post Operam

RS = 2813.87 S.59



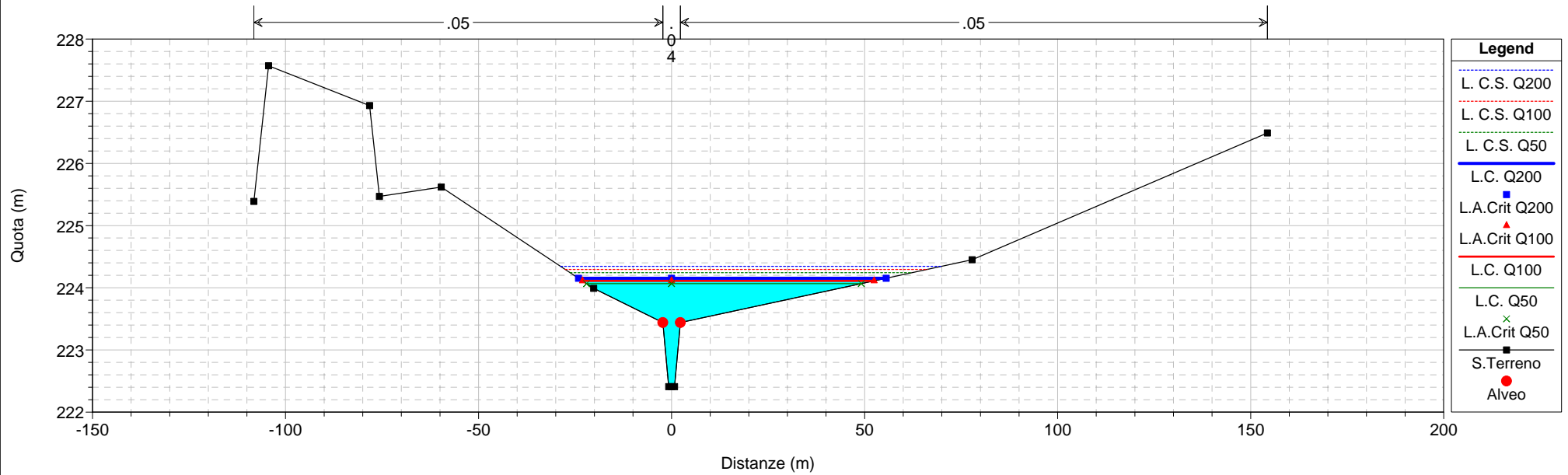
Cava del Bosco_Post Operam

RS = 2764.93 S.60



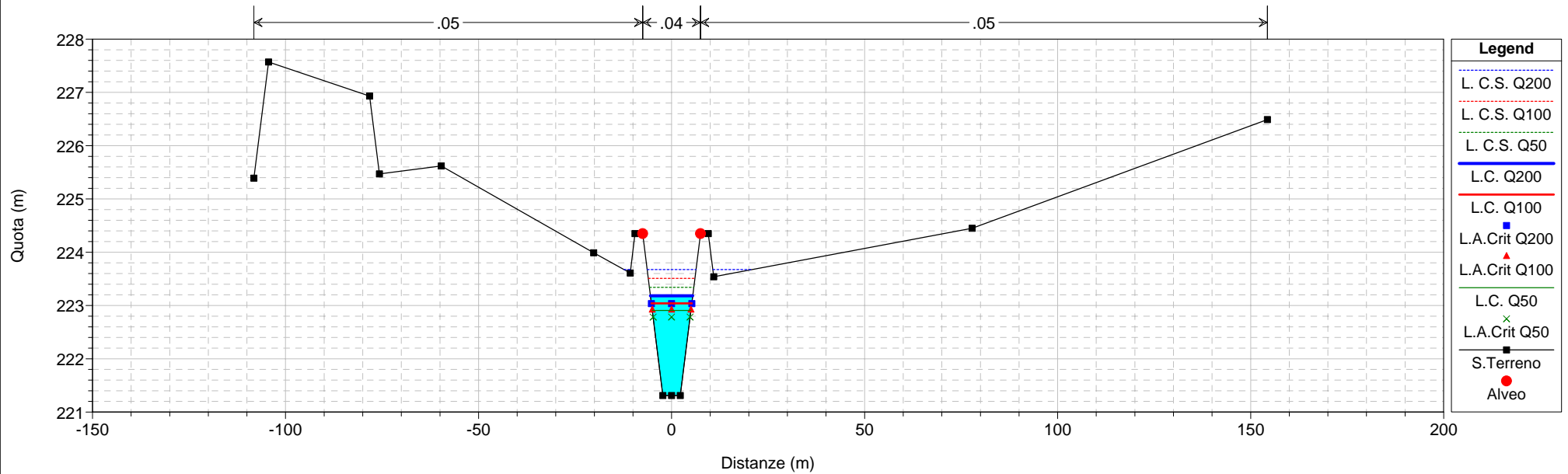
Cava del Bosco_Post Operam

RS = 2751.601 S.61



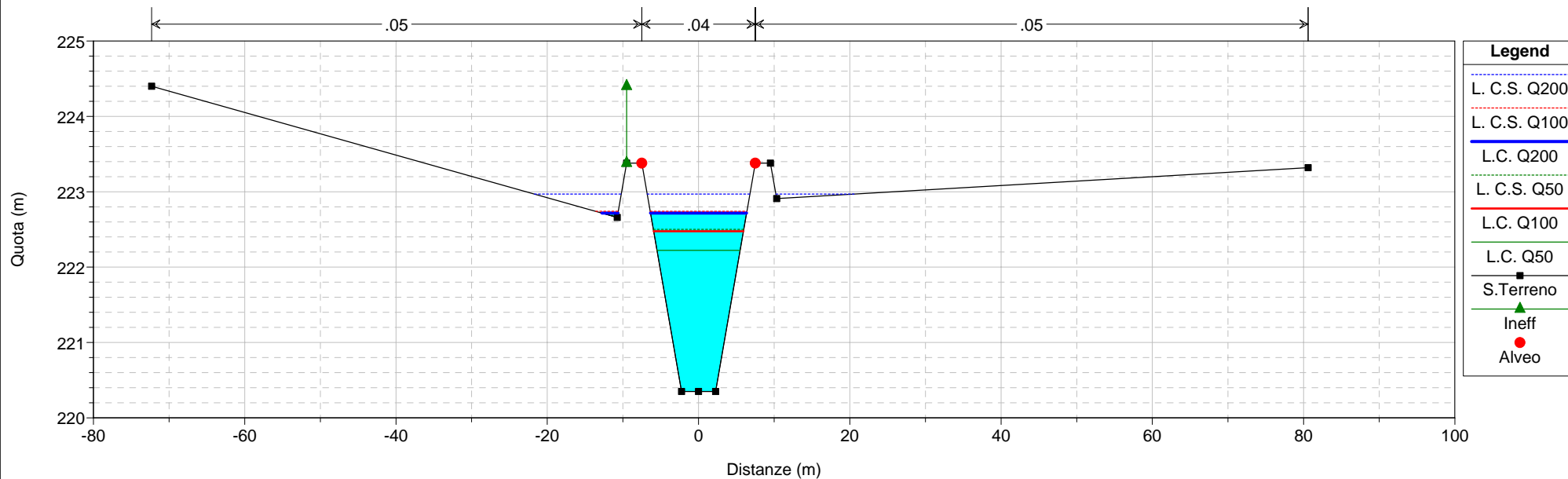
Cava del Bosco_Post Operam

RS = 2751.60 S.62 - MODELLAZIONE ALVEO IN TERRA



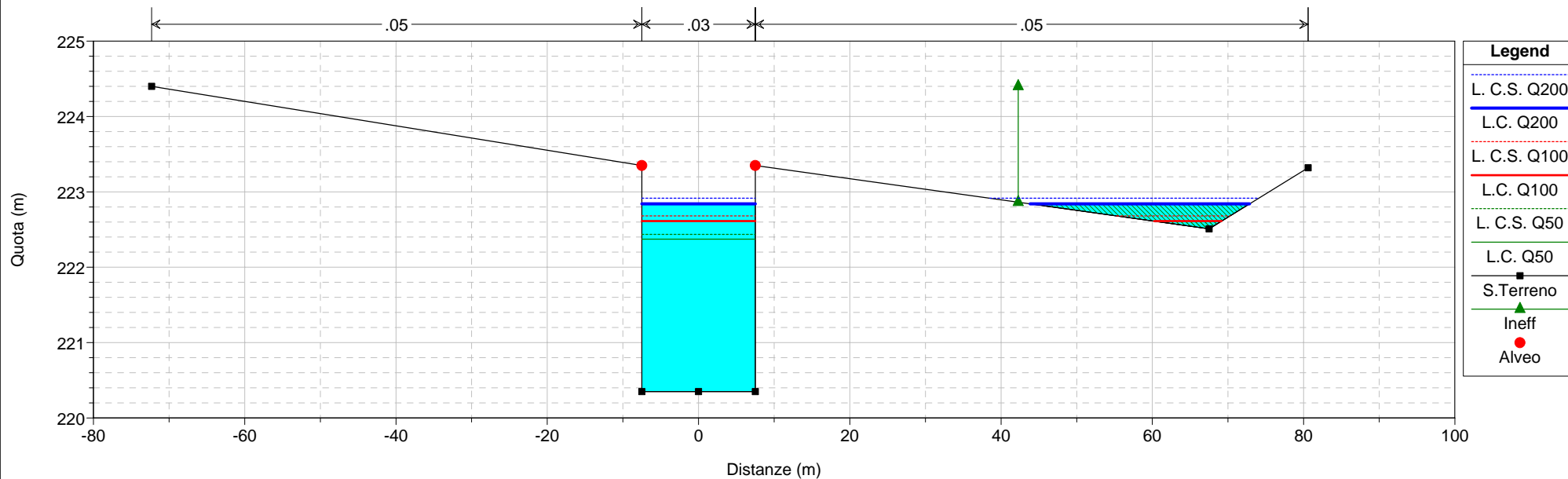
Cava del Bosco_Post Operam

RS = 2671.24 S.63 - MODELLAZIONE ALVEO IN TERRA



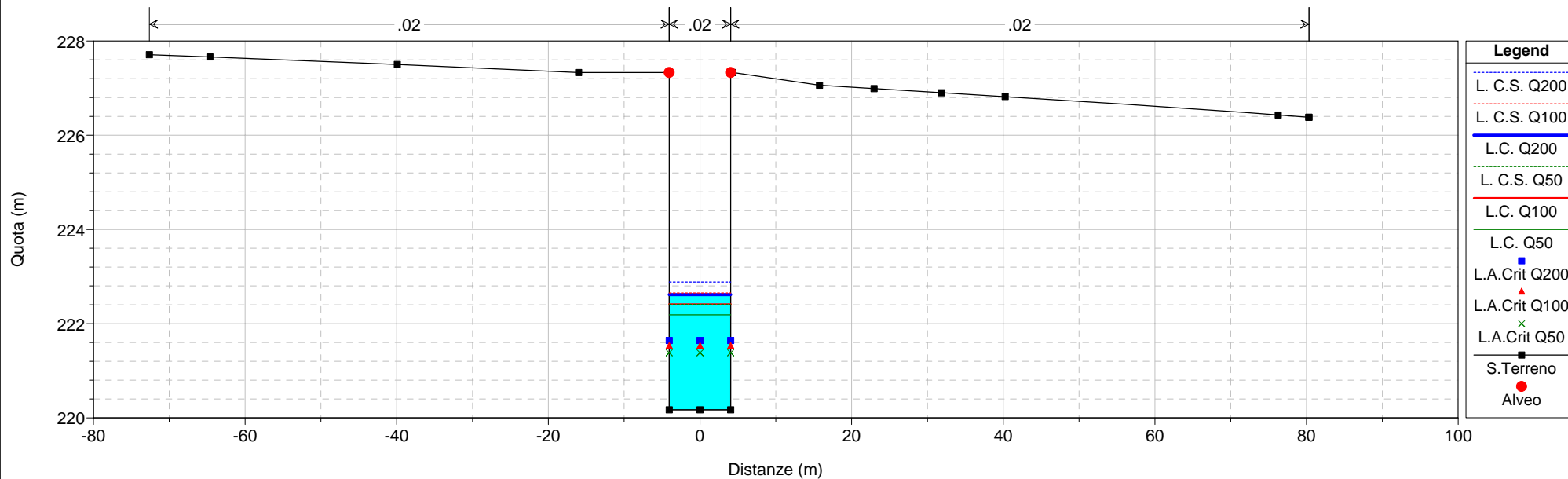
Cava del Bosco_Post Operam

RS = 2671.23 S.64 - MODELLAZIONE ALVEO IN GABBIONI



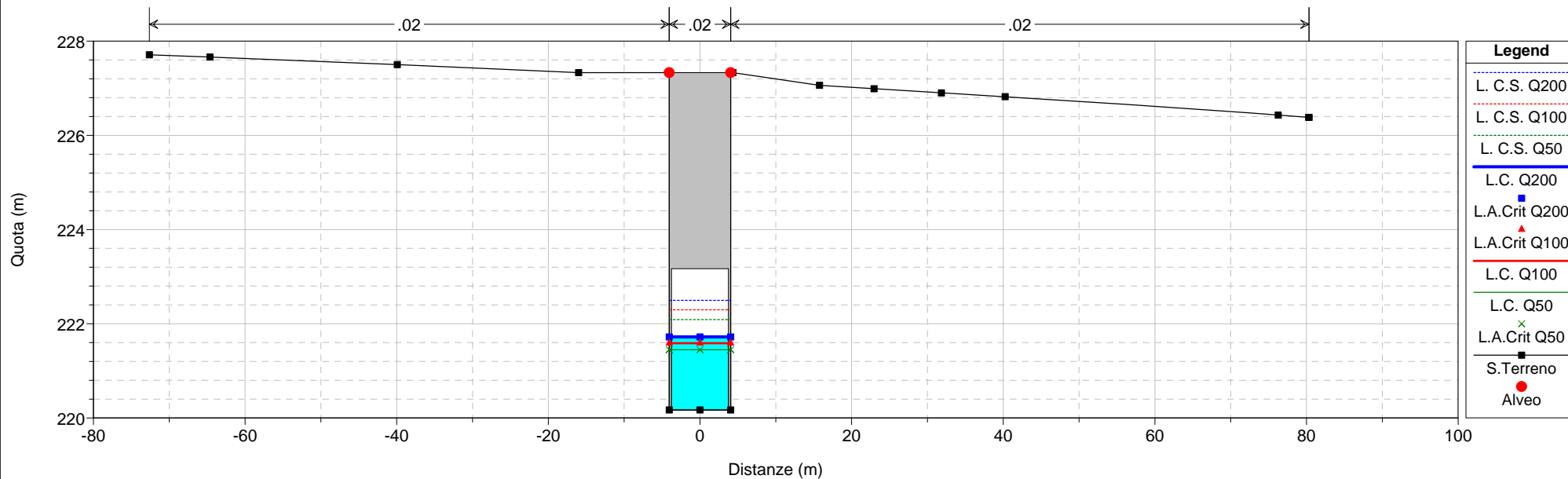
Cava del Bosco_Post Operam

RS = 2656.23 S.65 - MODELLAZIONE ALVEO IN GABBIONI

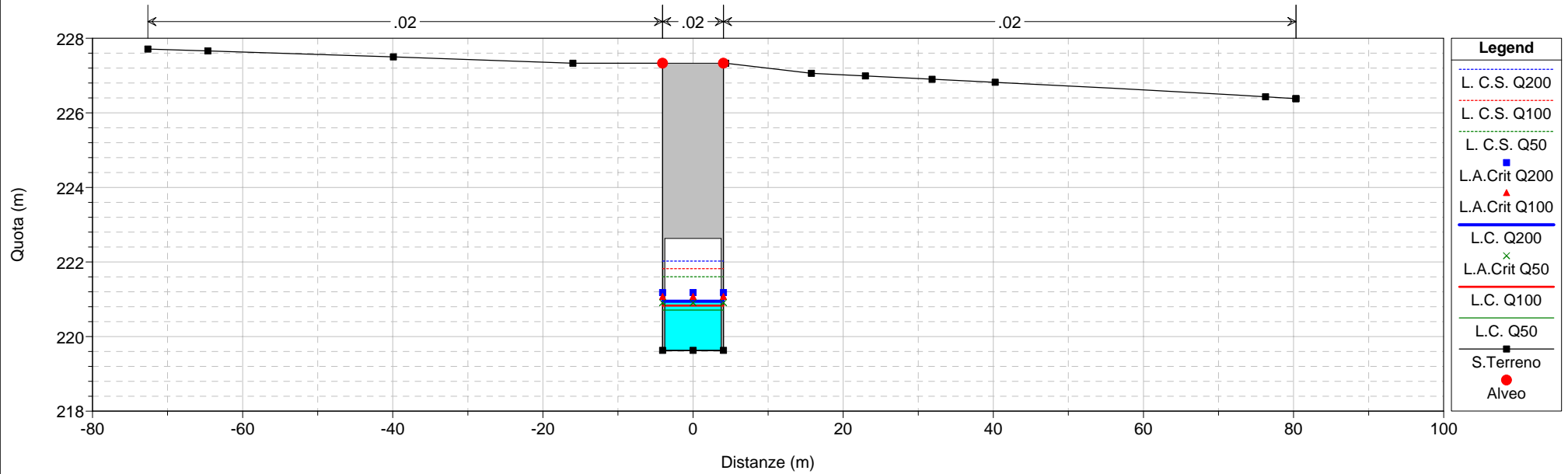


Cava del Bosco_Post Operam

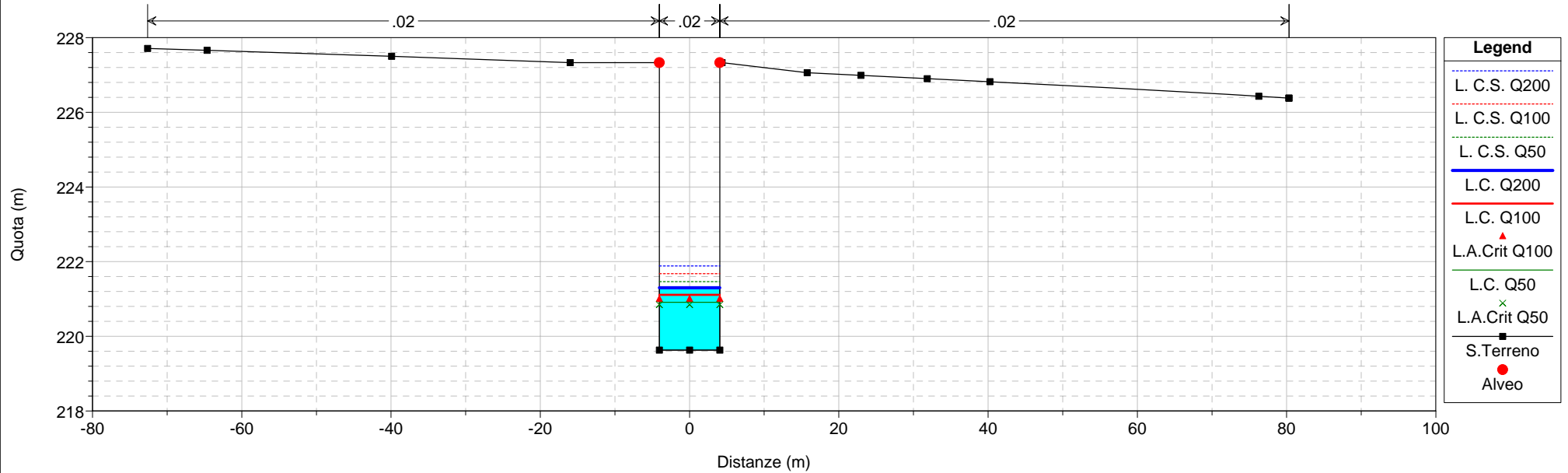
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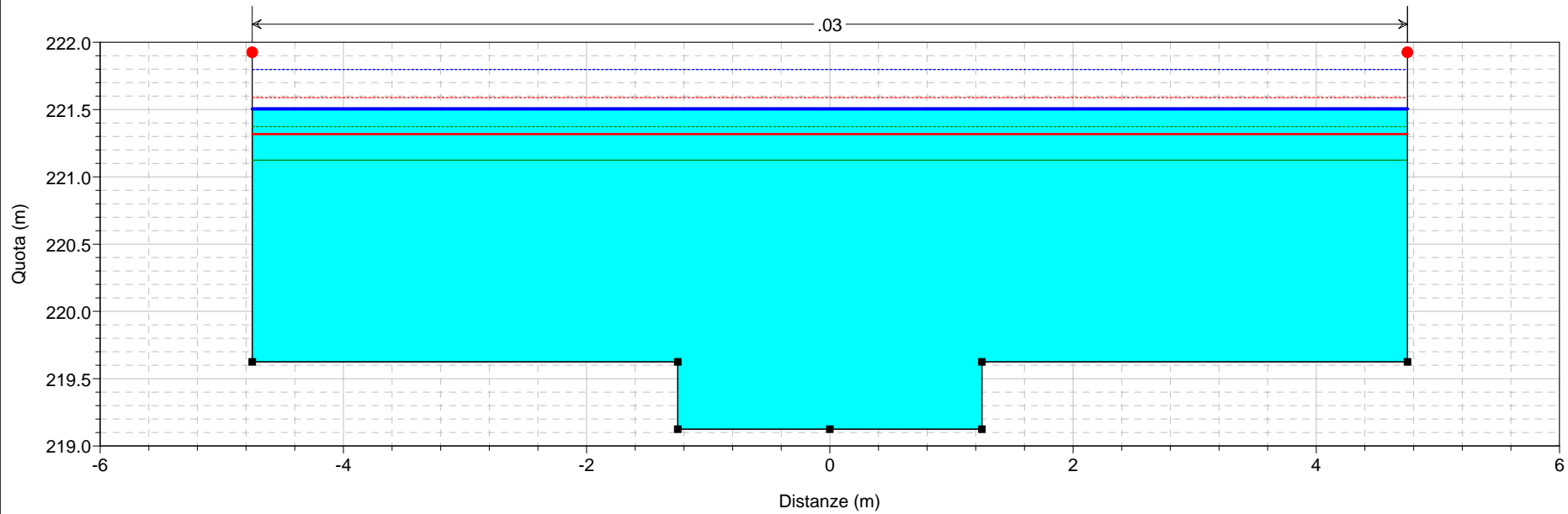
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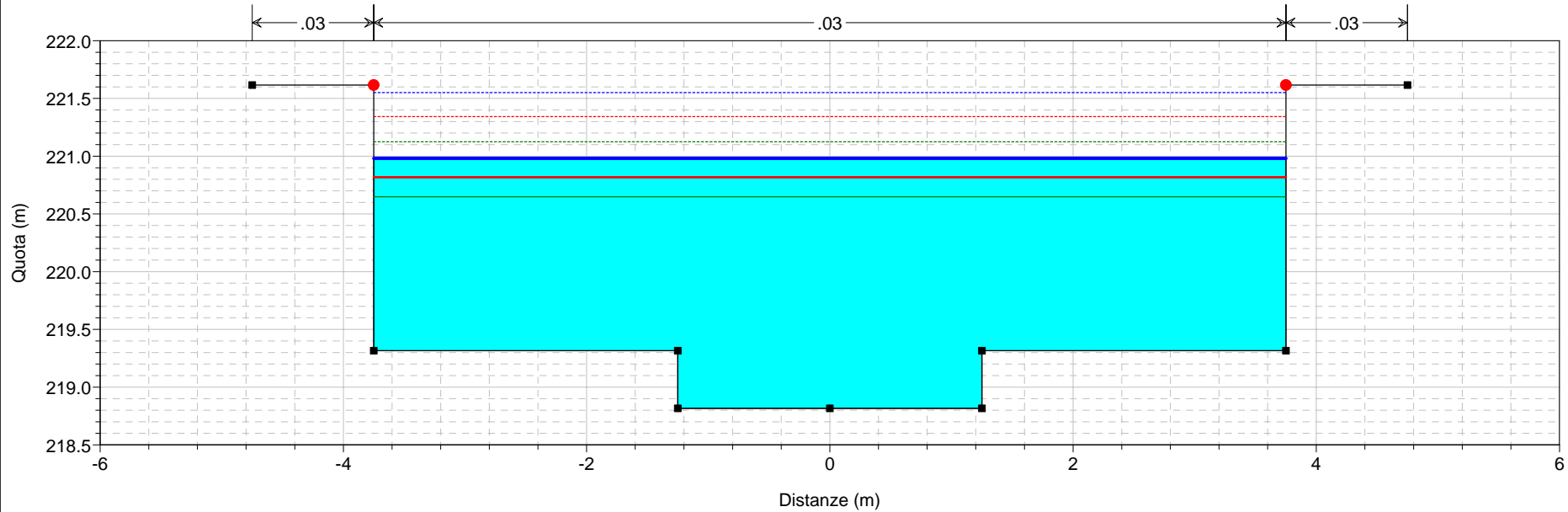
Cava del Bosco_Post Operam
RS = 2583.54 S.66 - MODELLAZIONE ALVEO IN GABBIONI



Cava del Bosco_Post Operam
RS = 2583.53 S.67 - MODELLAZIONE ALVEO IN GABBIONI

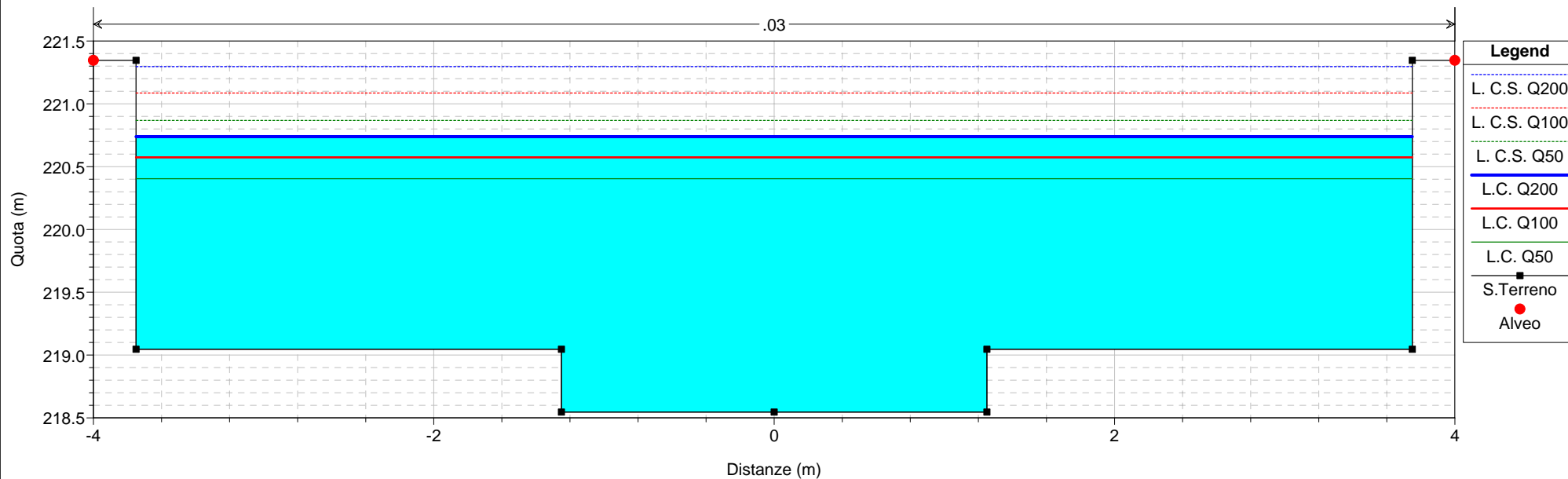


Cava del Bosco_Post Operam
RS = 2547.33 S.68 - MODELLAZIONE ALVEO IN GABBIONI



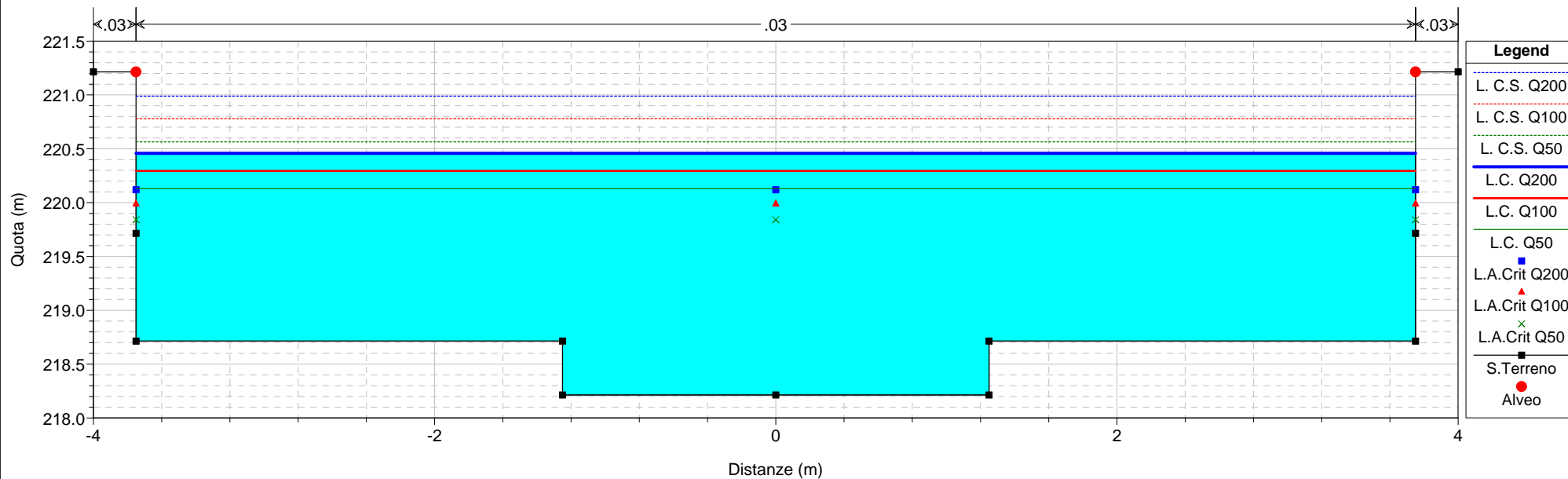
Cava del Bosco_Post Operam

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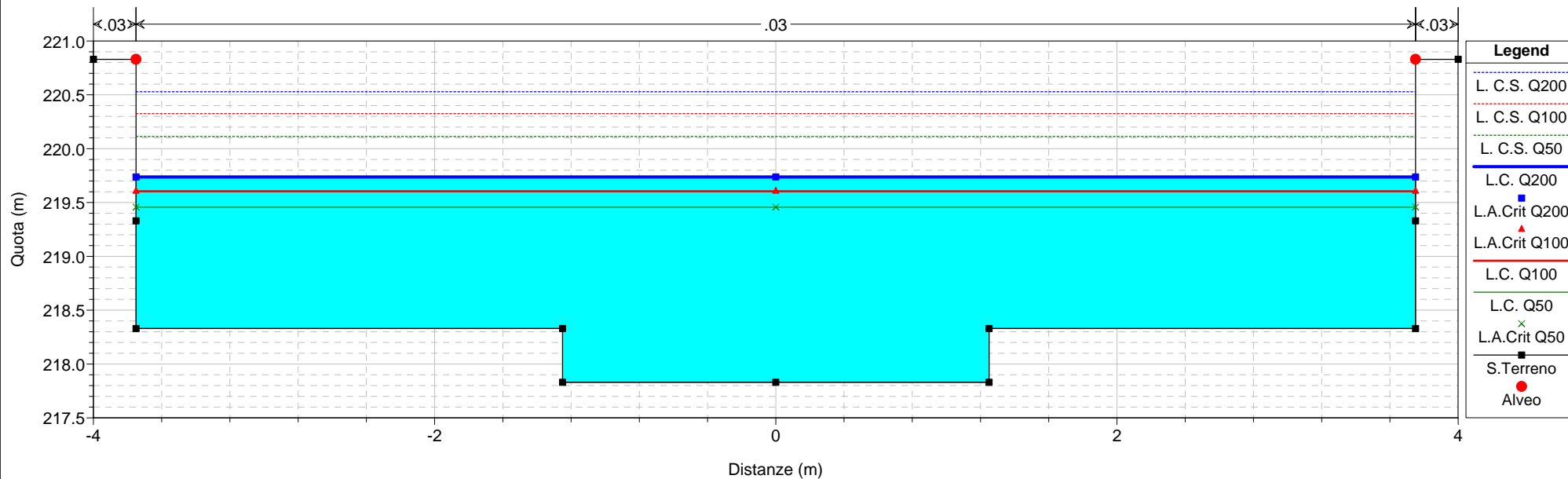
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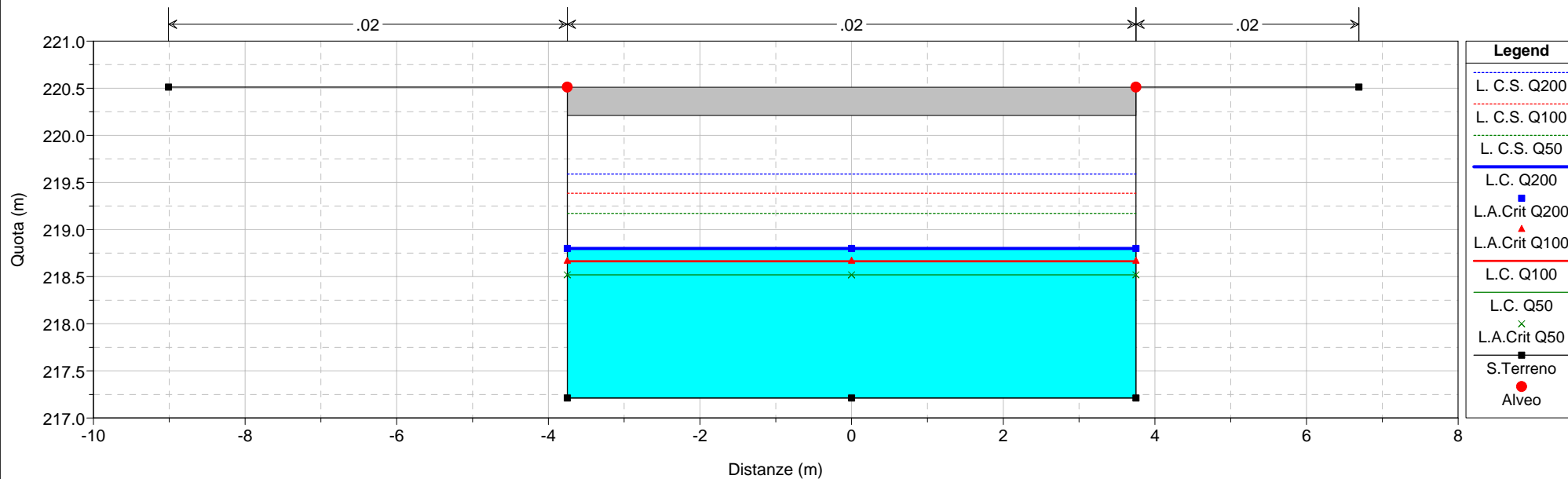
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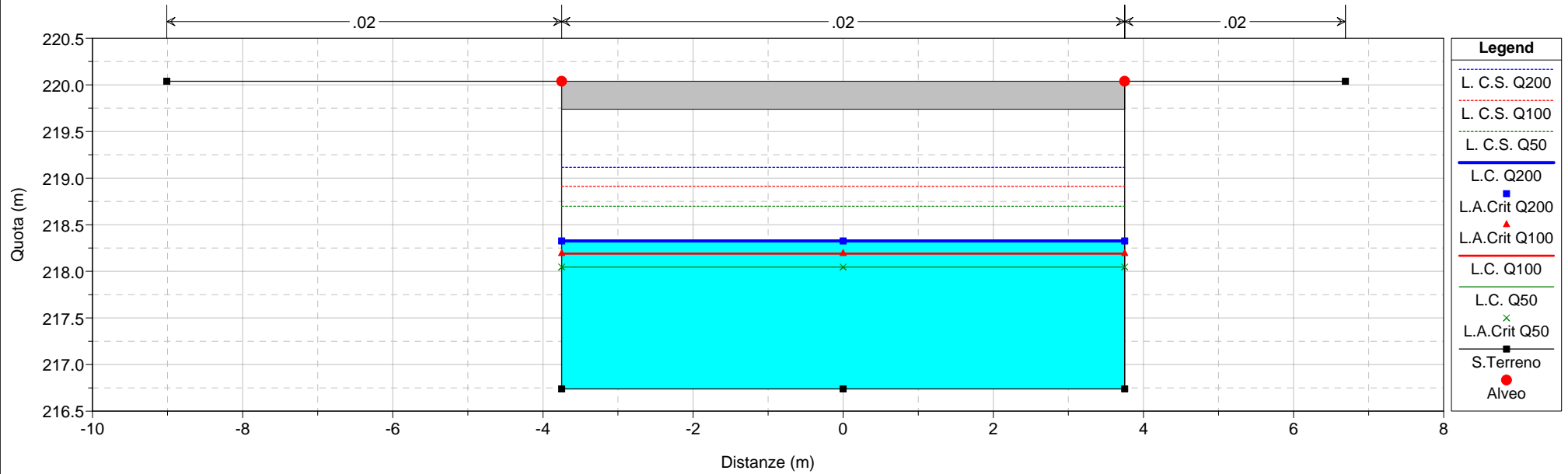


Cava del Bosco_Post Operam

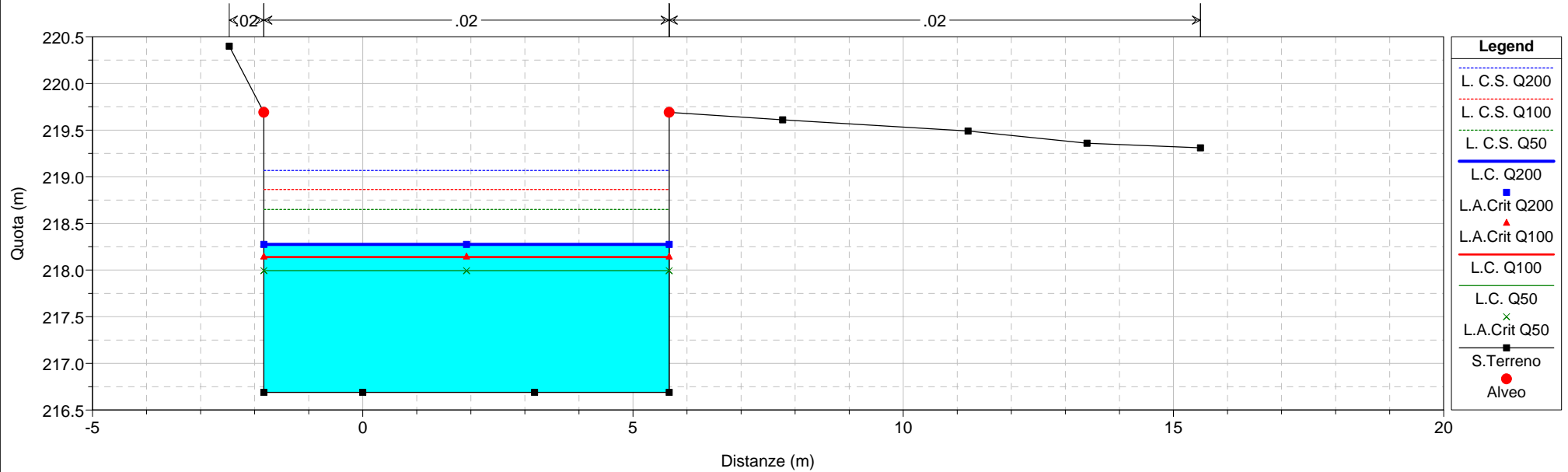
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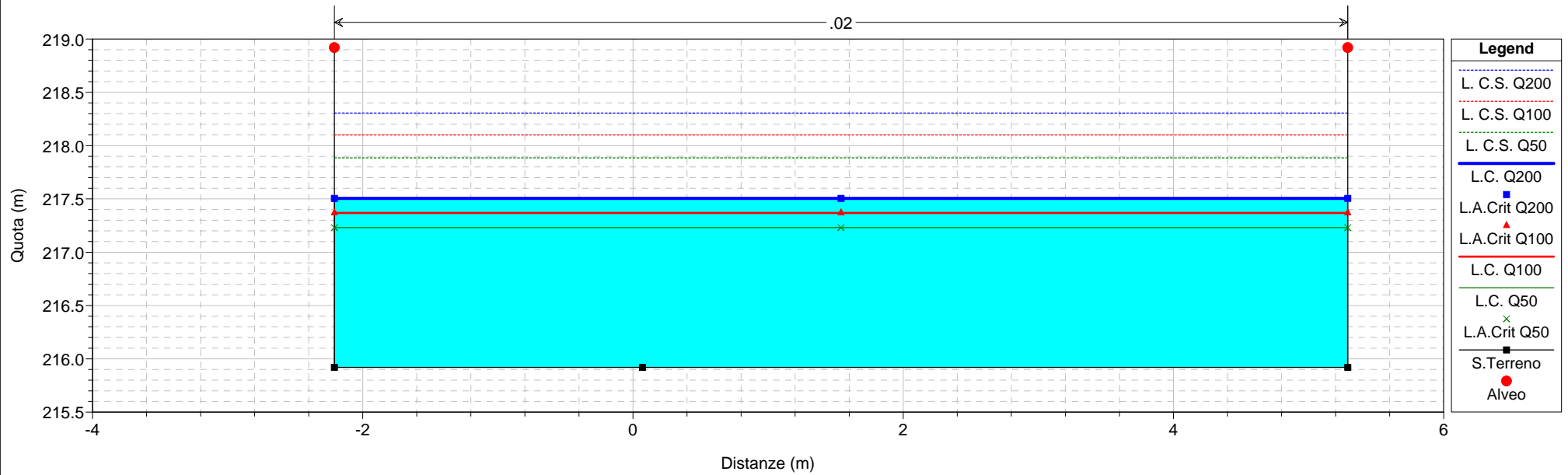
Cava del Bosco_Post Operam
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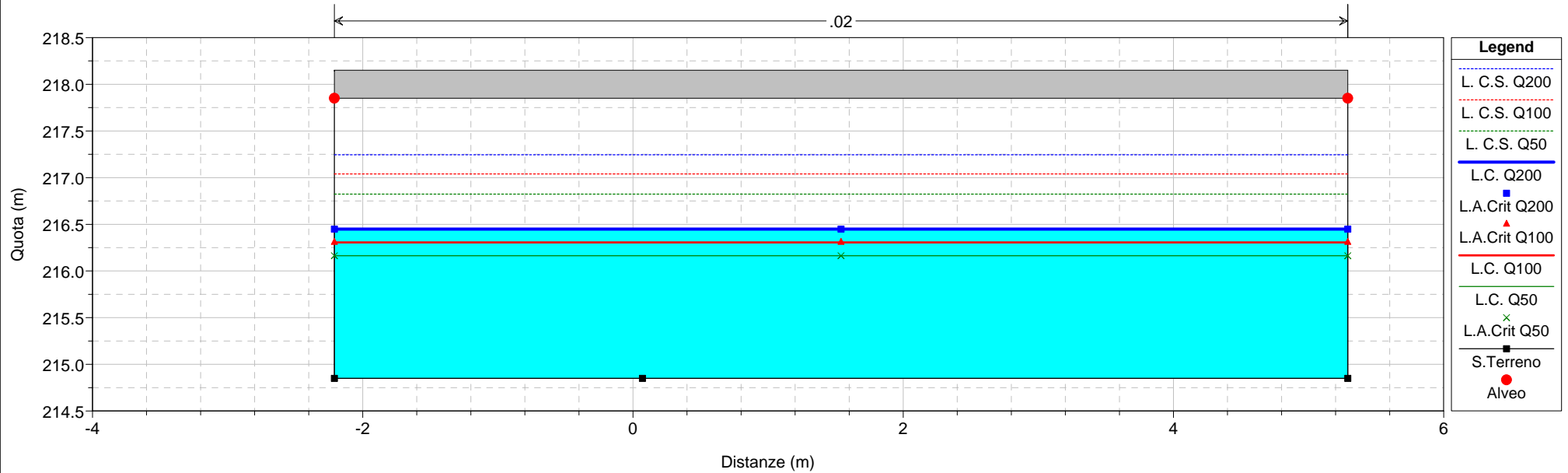
Cava del Bosco_Post Operam
RS = 2297.06 S.74 - CANALE IN CA



Cava del Bosco_Post Operam RS = 2254.21 S.75 - CANALE IN CA

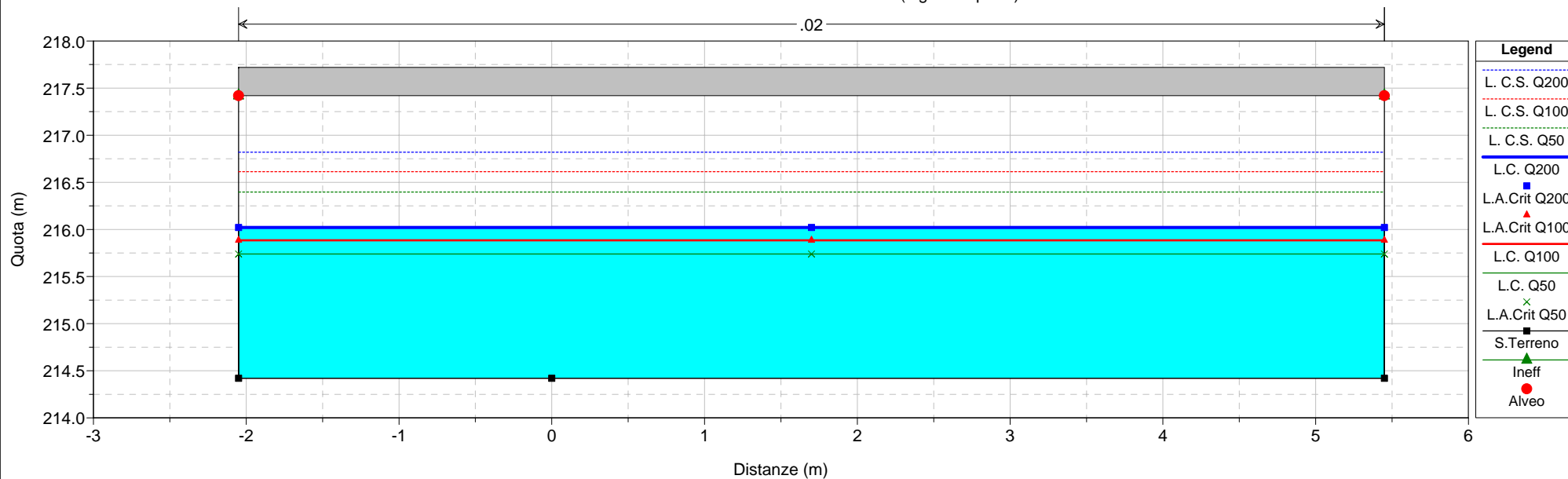


Cava del Bosco_Post Operam RS = 2194.85 S.76 - SCATOLARE TS 12 (ingr. aeroporto)



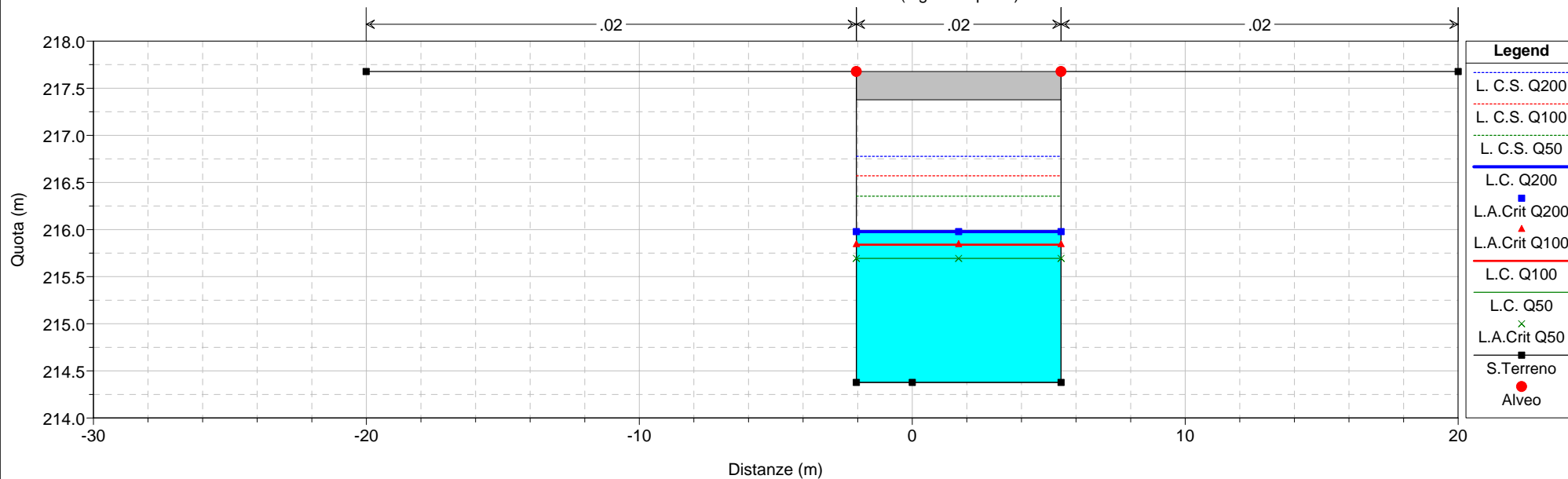
Cava del Bosco_Post Operam

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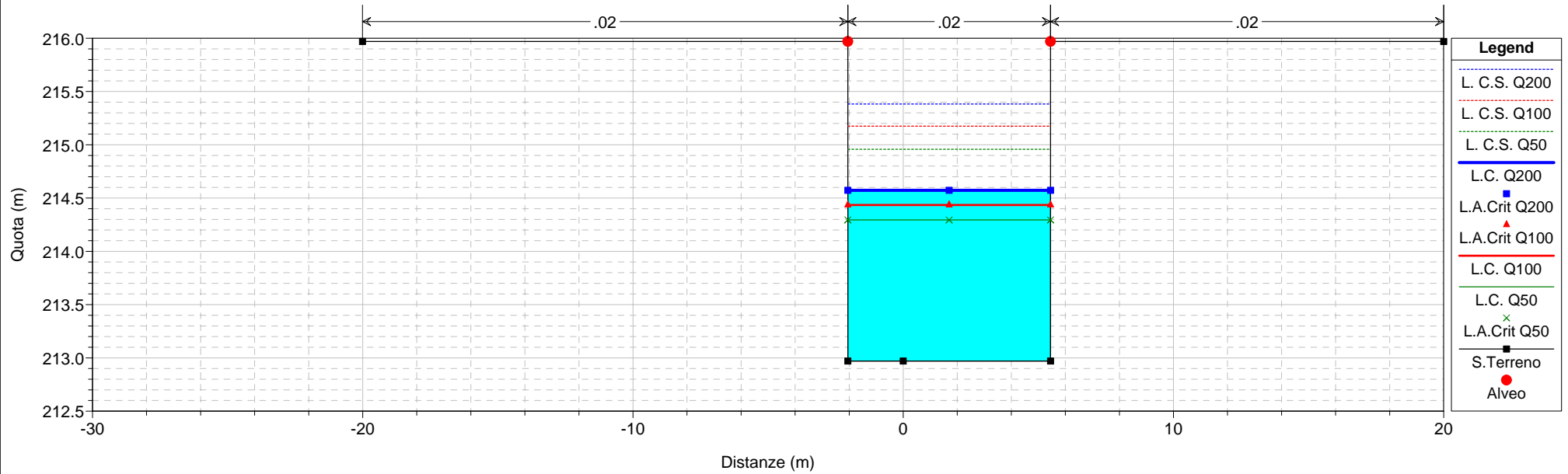


Cava del Bosco_Post Operam

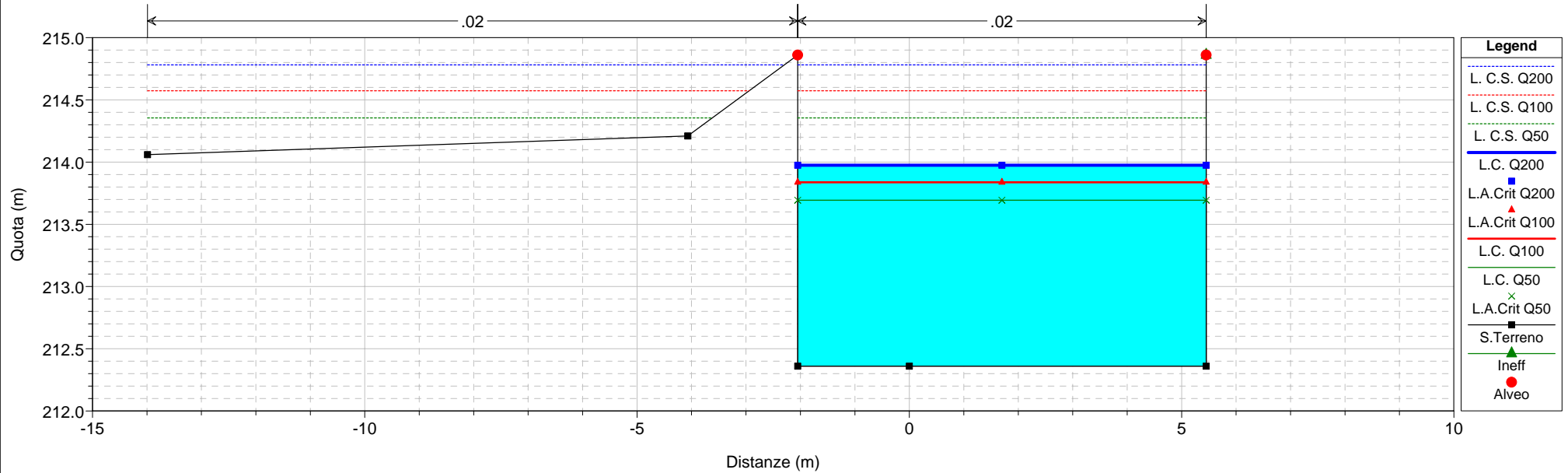
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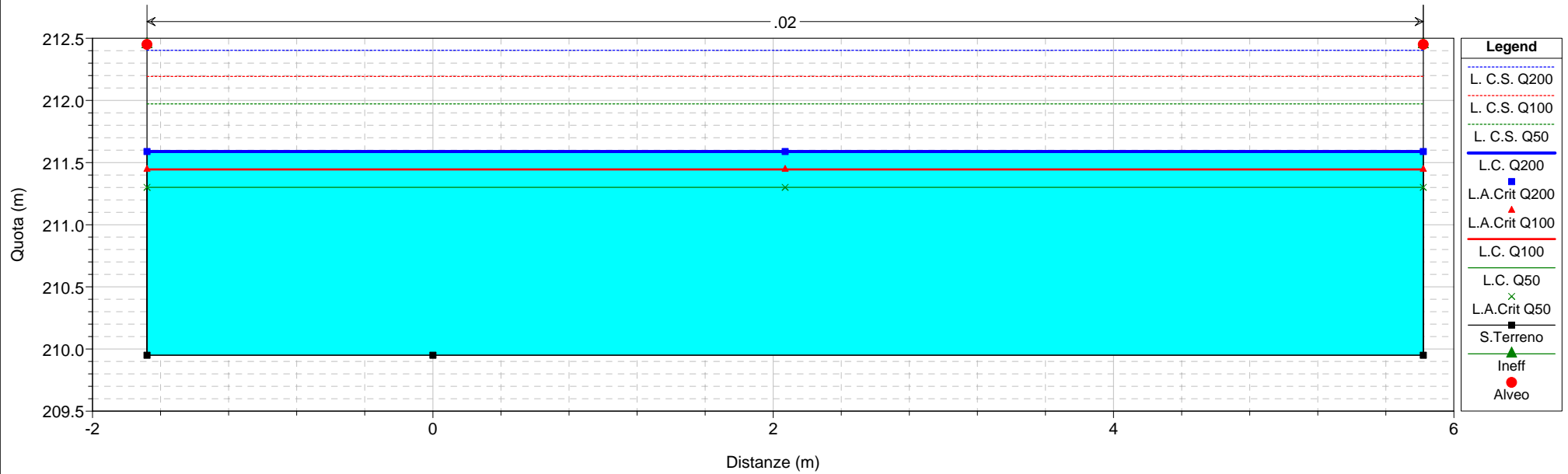
Cava del Bosco_Post Operam
RS = 2088.30 S.81 - CANALE IN CA



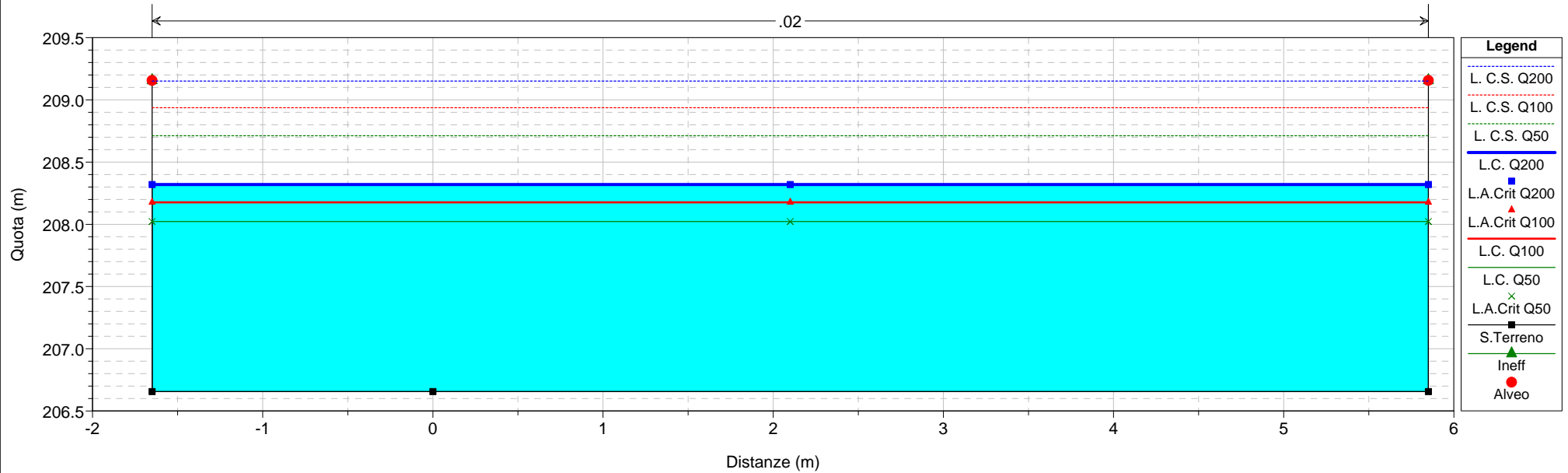
Cava del Bosco_Post Operam
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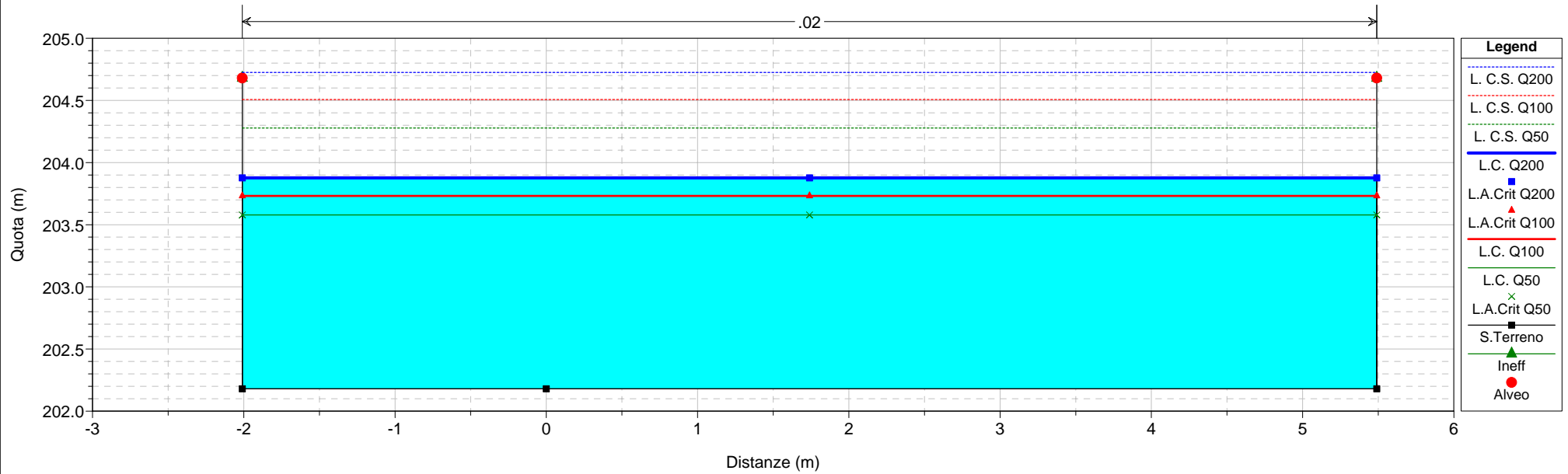
Cava del Bosco_Post Operam
RS = 1836.76 S.83 - CANALE IN CA



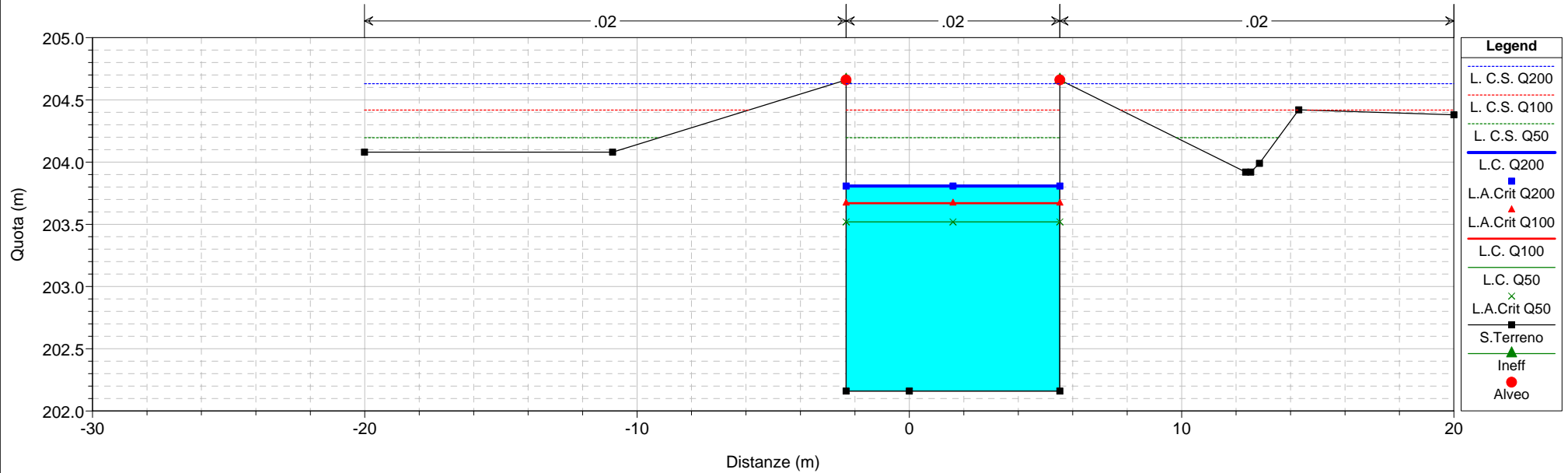
Cava del Bosco_Post Operam
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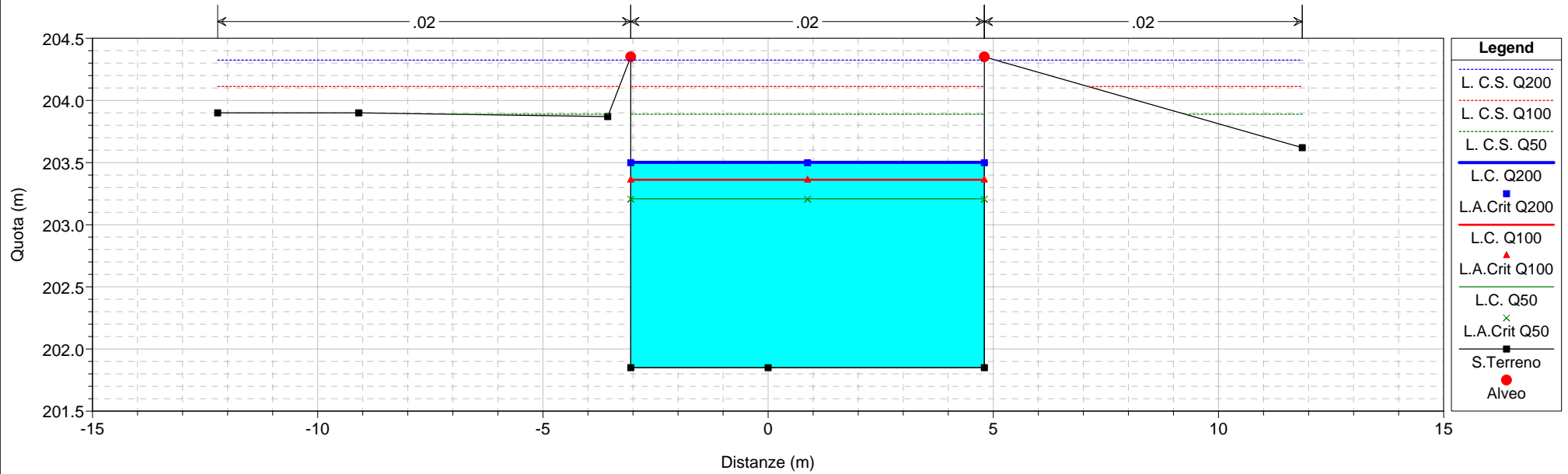
Cava del Bosco_Post Operam
RS = 1262.73 S.87 - CANALE IN CA



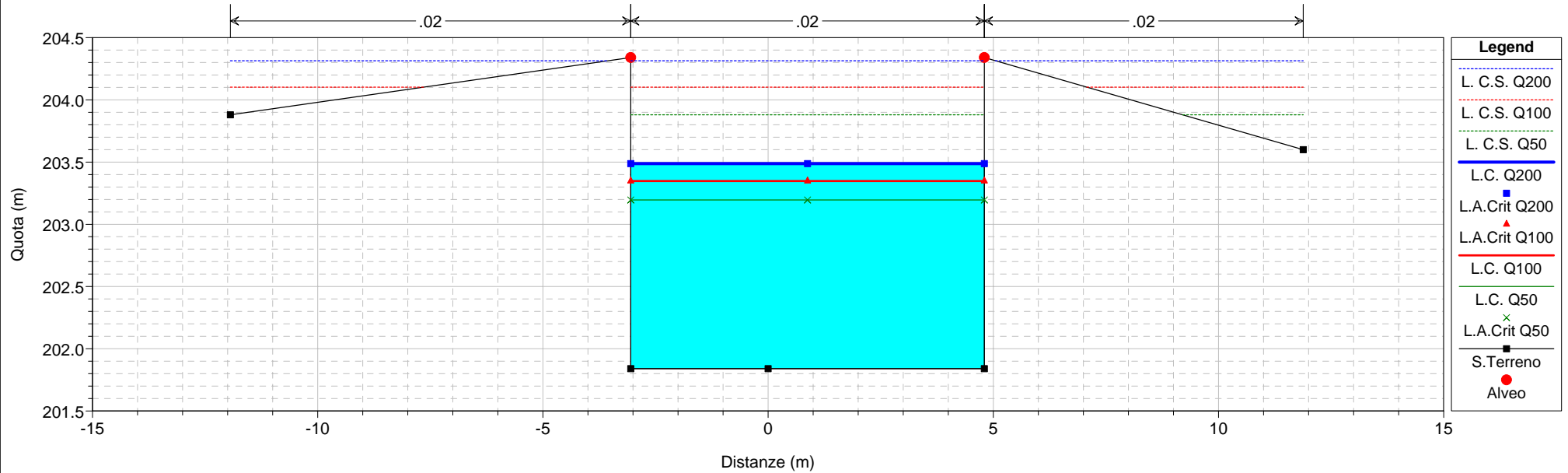
Cava del Bosco_Post Operam
RS = 1260.90 S.88 - CANALE IN CA



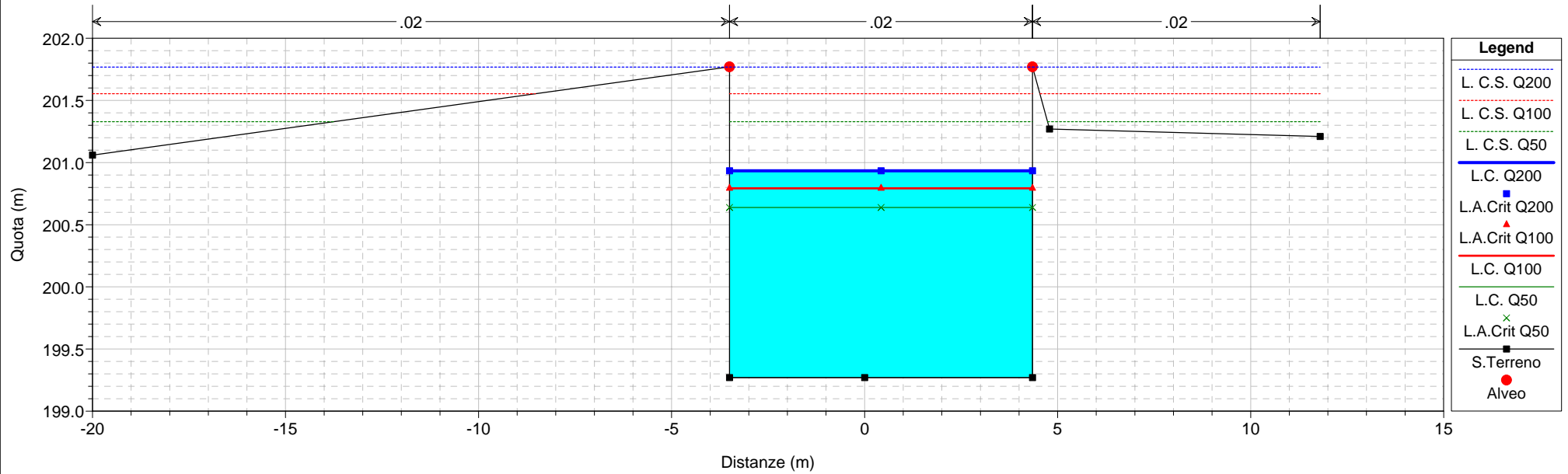
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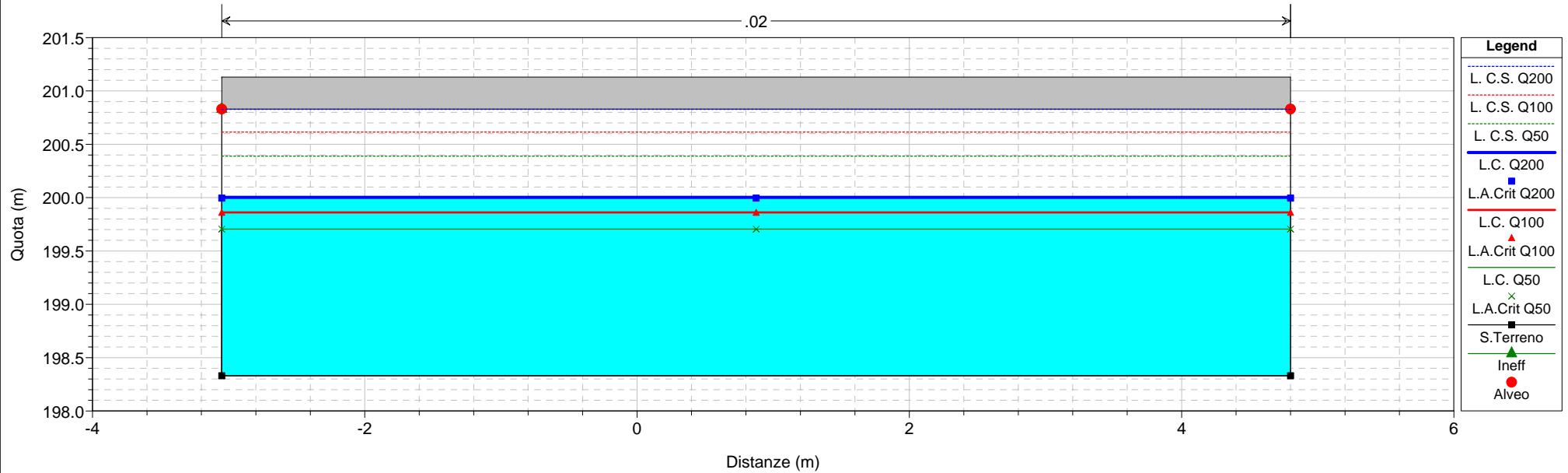
Cava del Bosco_Post Operam
RS = 1228.52 S.90 - CANALE IN CA



Cava del Bosco_Post Operam
RS = 974.40 S.93 - CANALE IN CA

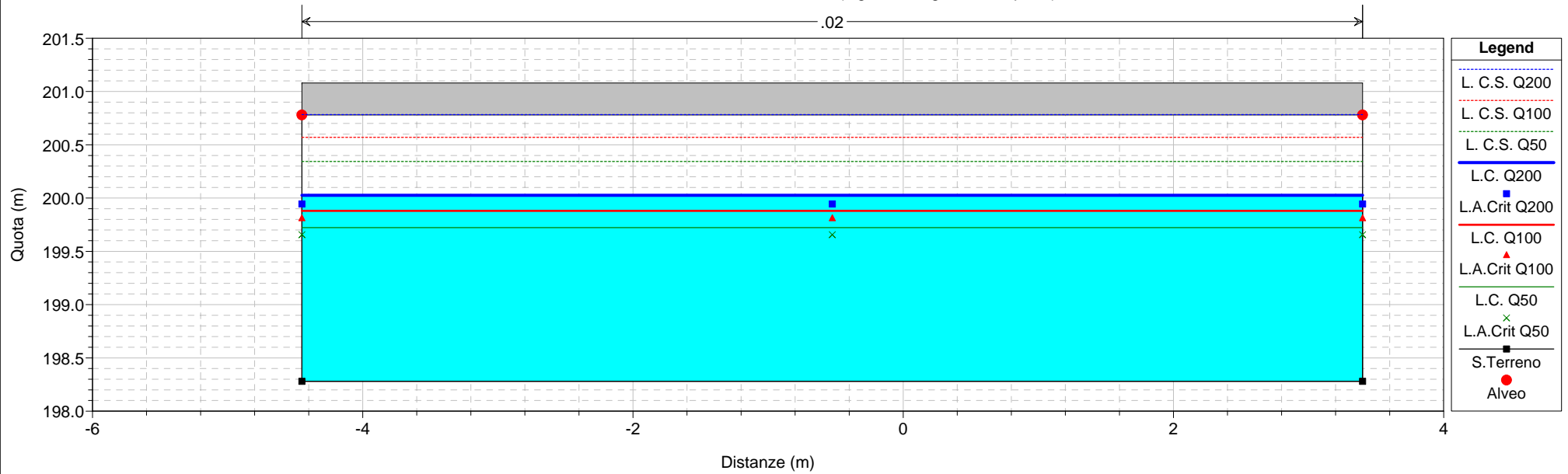


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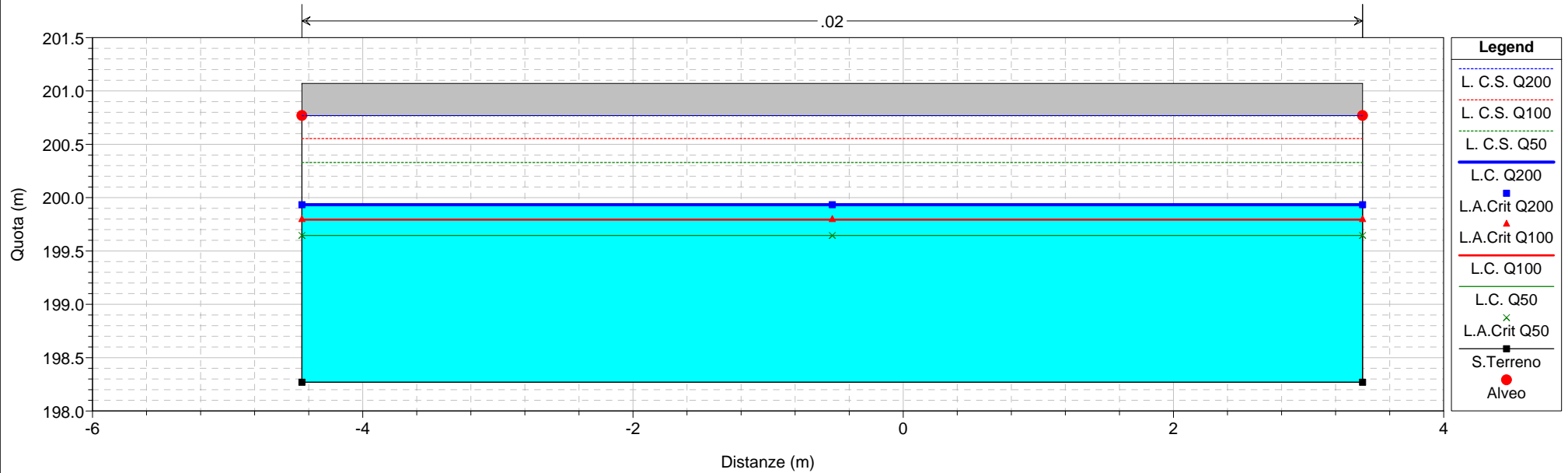
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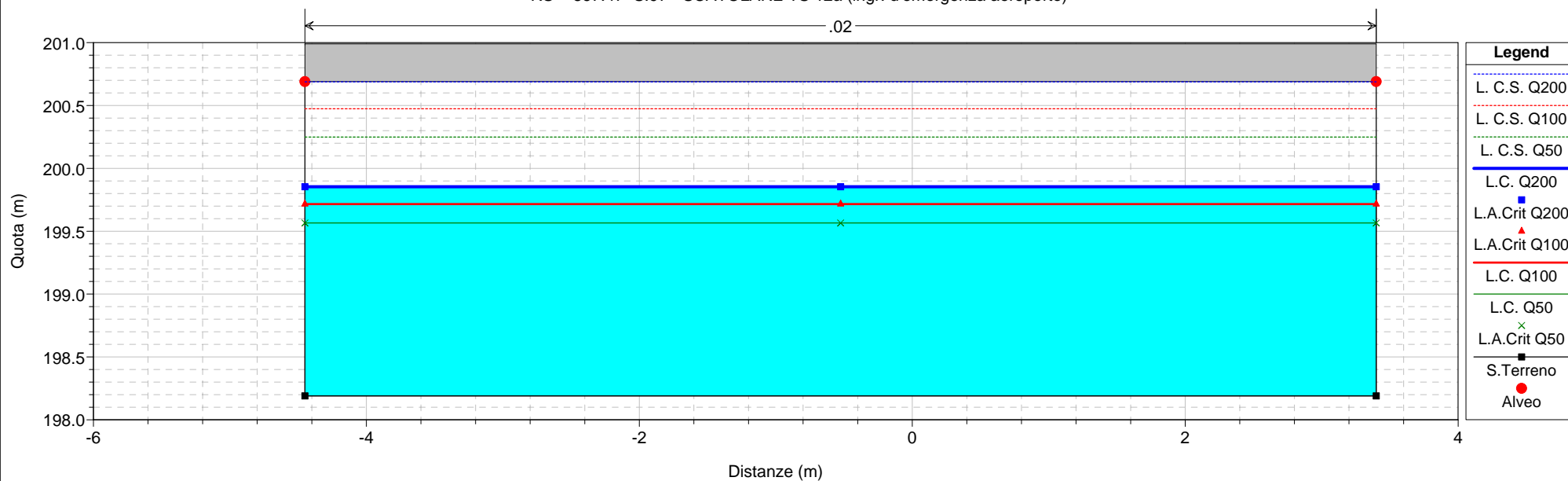
Cava del Bosco_Post Operam

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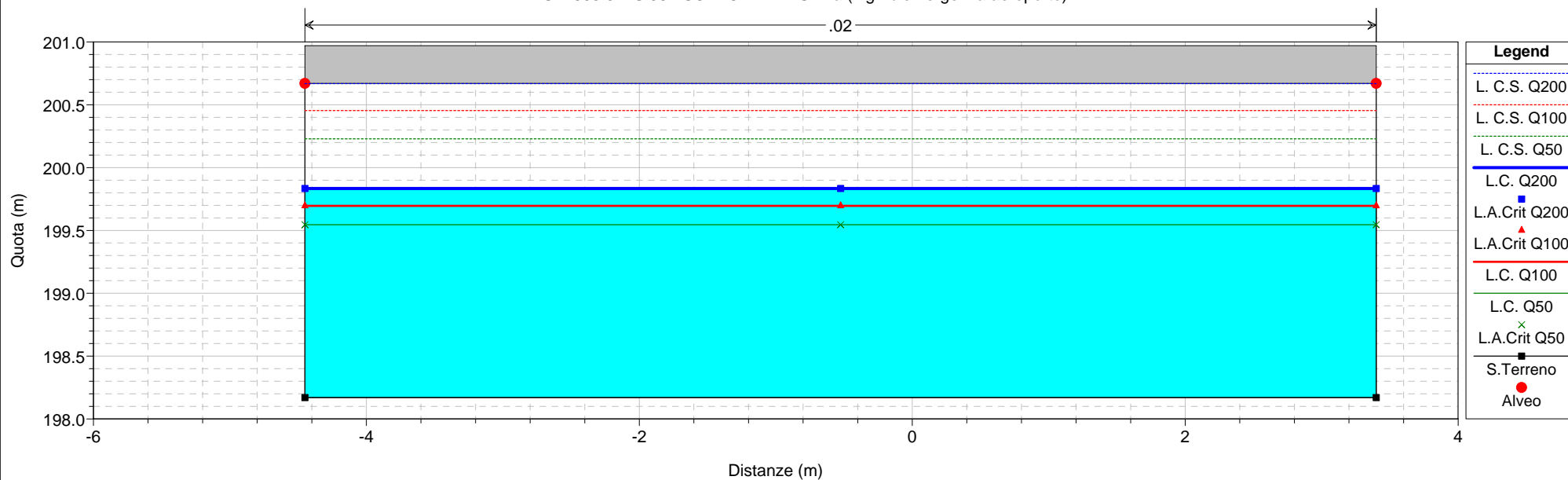
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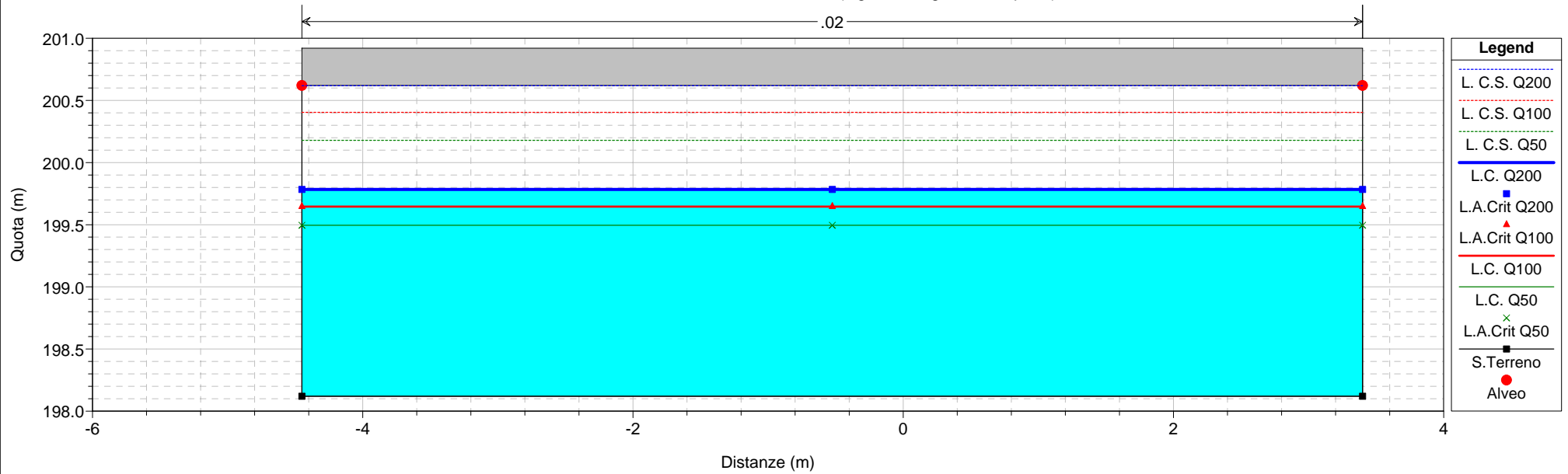
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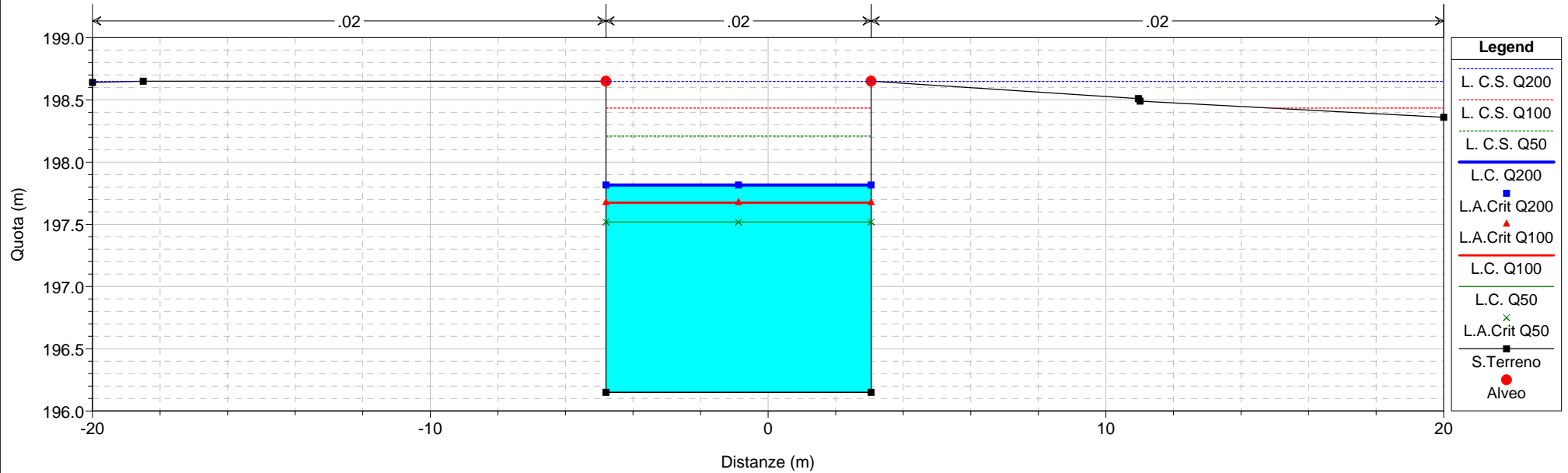
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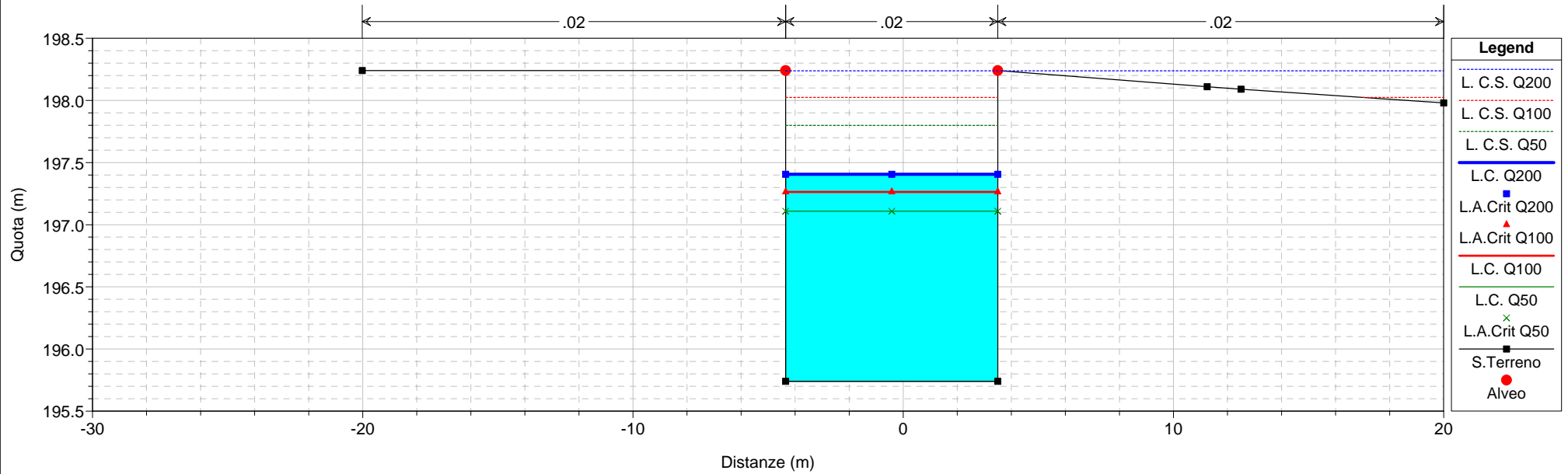


Cava del Bosco_Post Operam

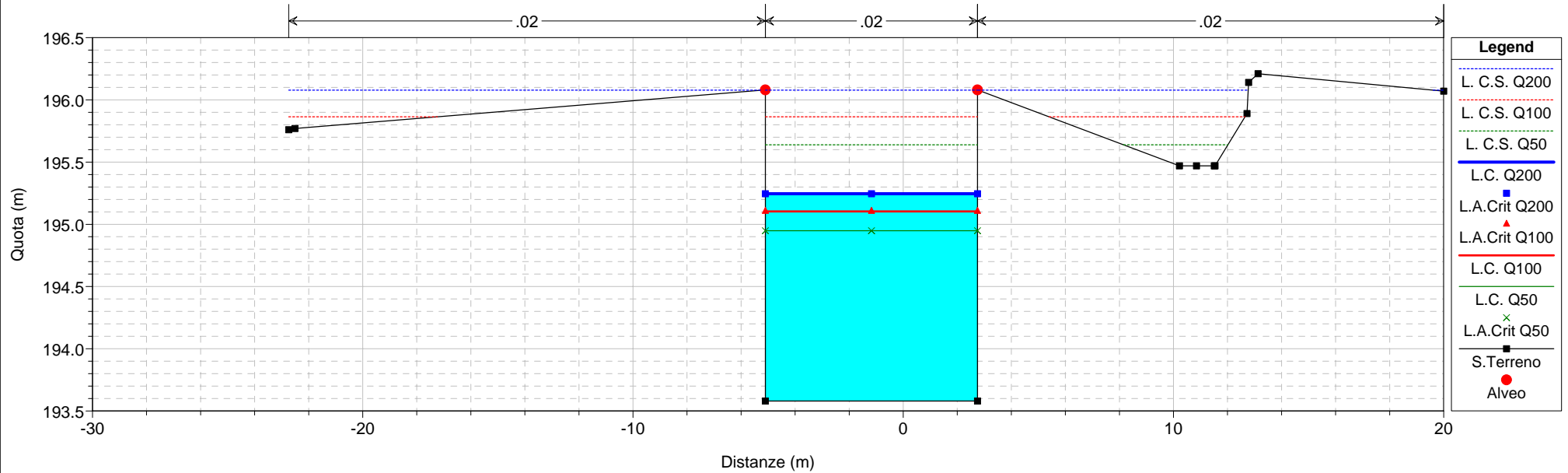
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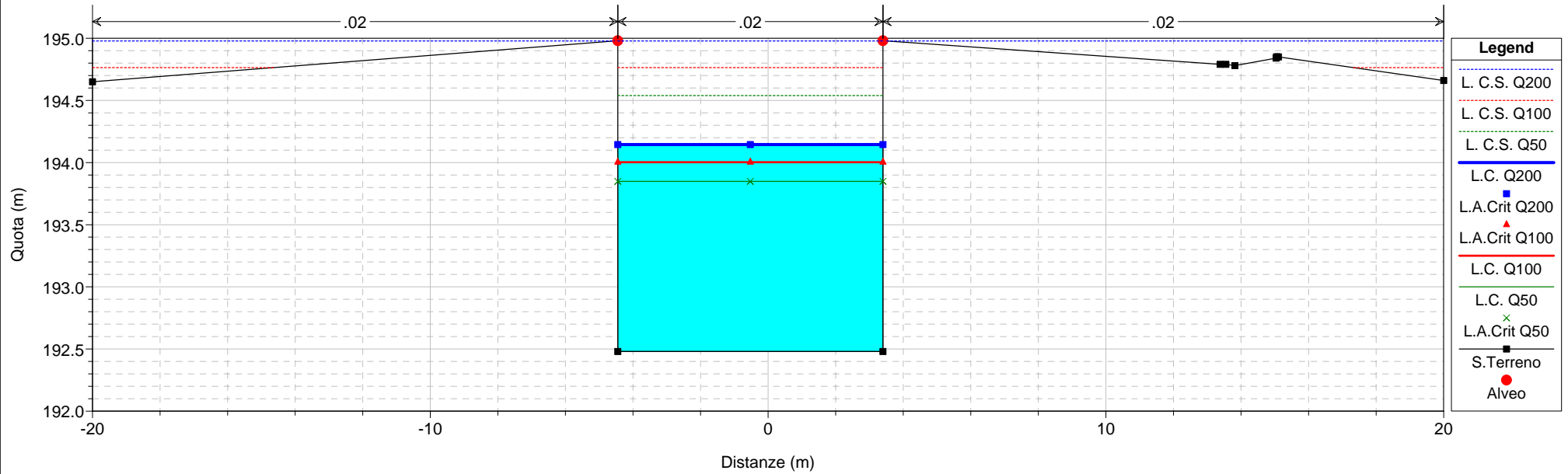
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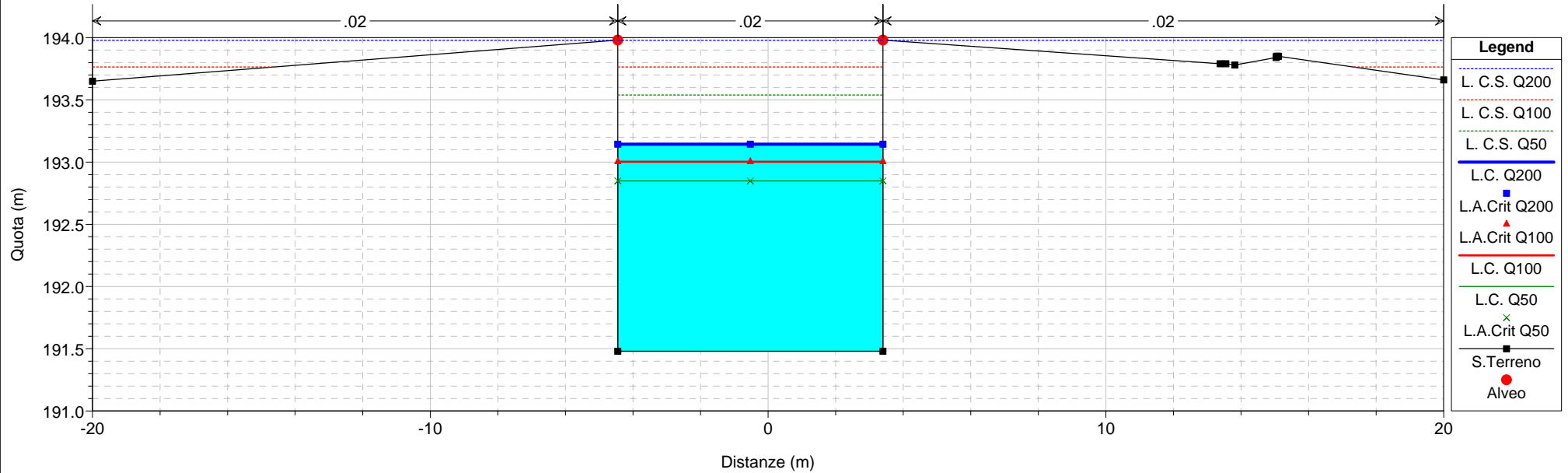
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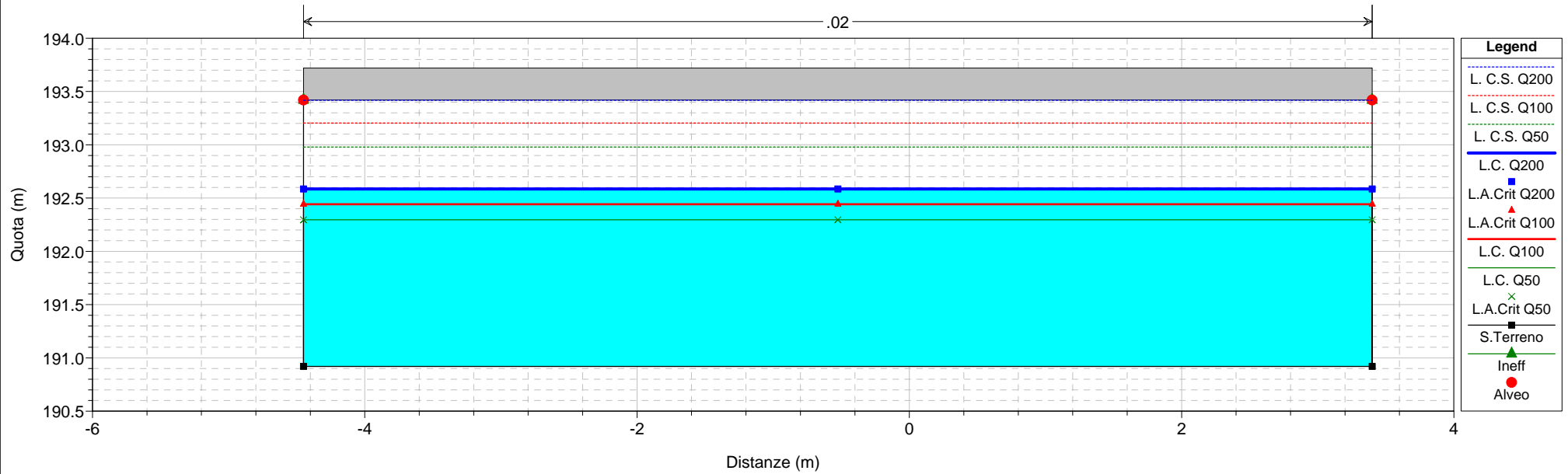
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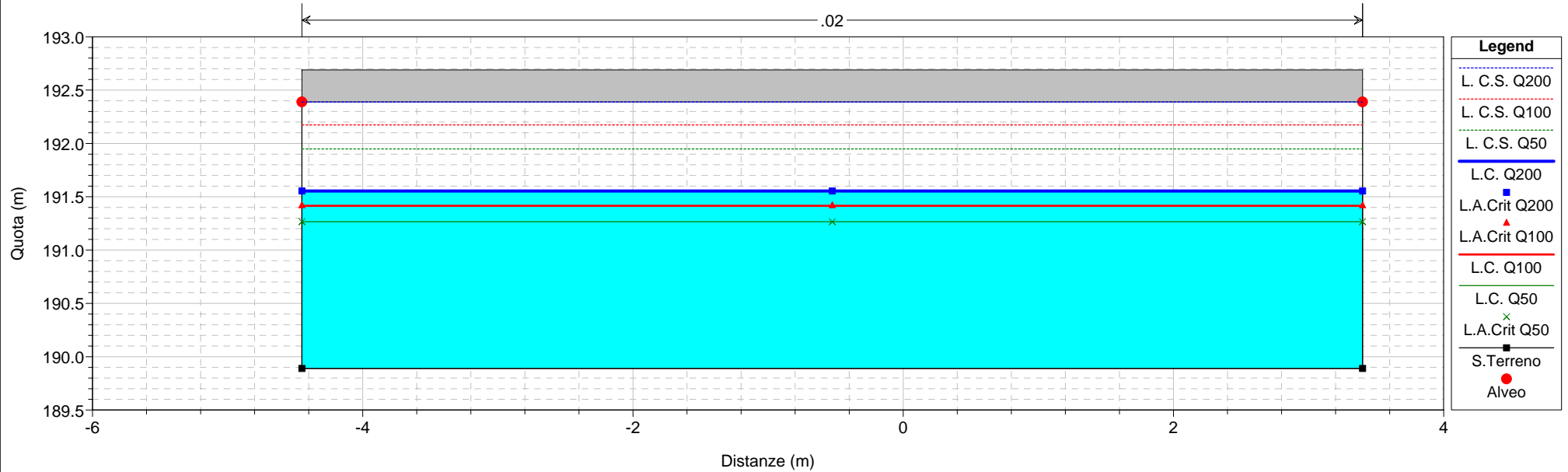
Cava del Bosco_Post Operam
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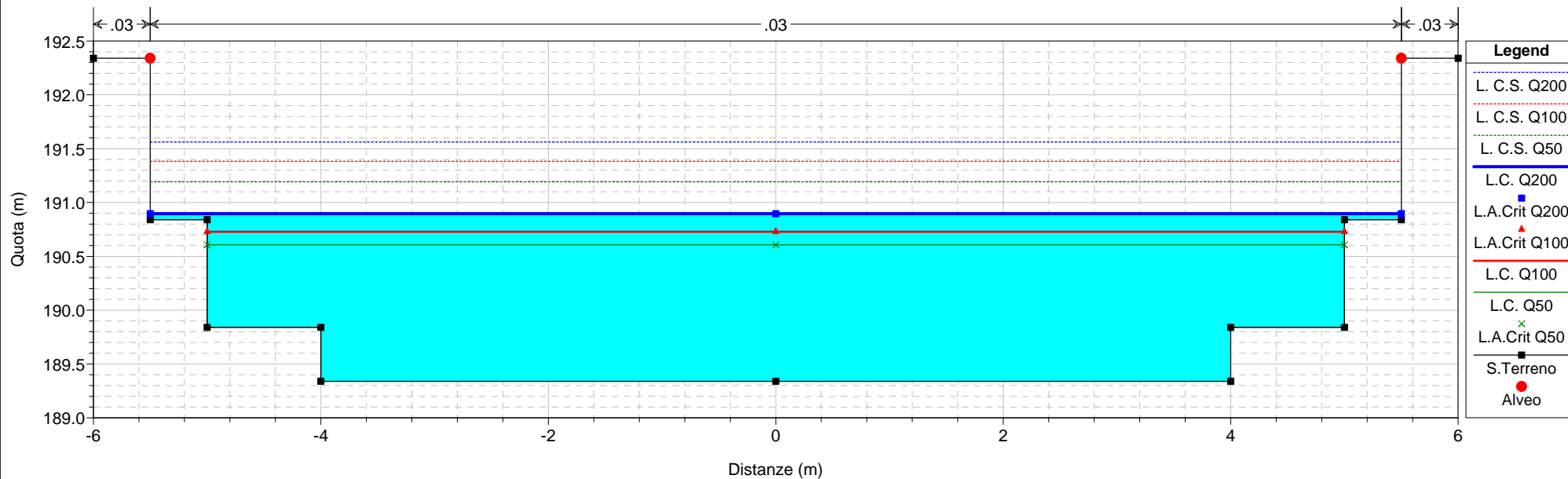
Cava del Bosco_Post Operam
RS = 248.82 S.105 - SCATOLARE TS 12b



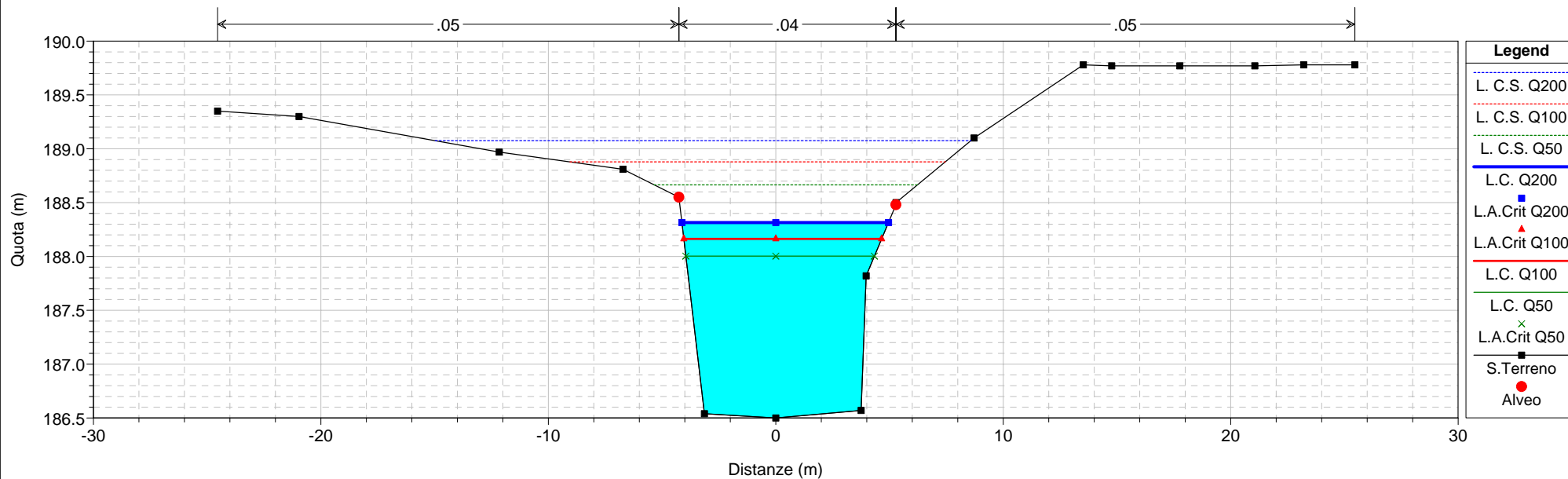
Cava del Bosco_Post Operam
RS = 146.02 S.106 - SCATOLARE TS 12b



Cava del Bosco_Post Operam RS = 91.00 S.107 - MODELLAZIONE ALVEO IN GABBIONI



Cava del Bosco_Post Operam RS = 1 S.108



AFFLUENTE TORRENTE VOLPE

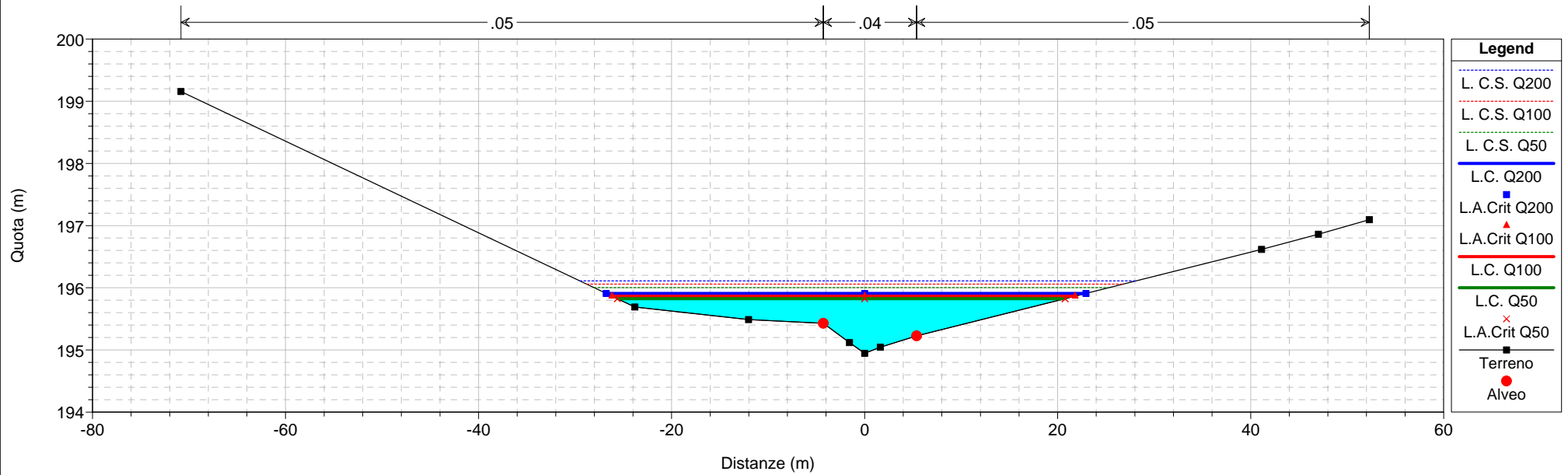
STATO POST OPERAM

SIMULAZIONE IDRAULICA IN MOTO PERMANENTE

**PORTATE DI PIENA CON TEMPI DI RITORNO:
TR 200 ANNI, TR 100 ANNI, TR 50 ANNI**

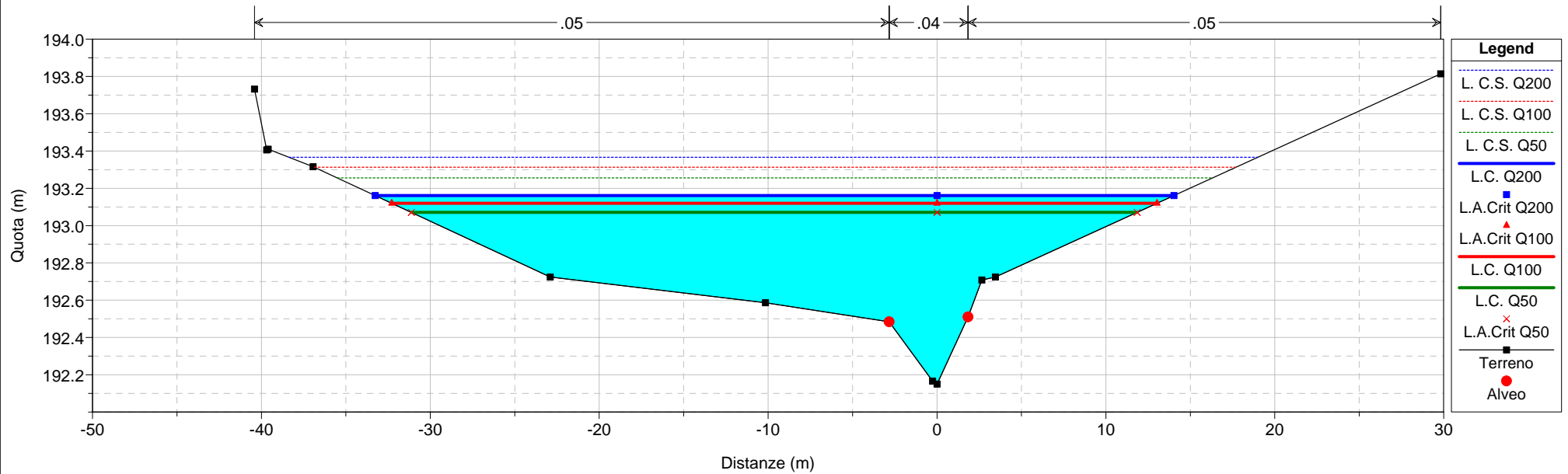
Affluente T. Volpe_ Post Operam

RS = 405.53 S. 1



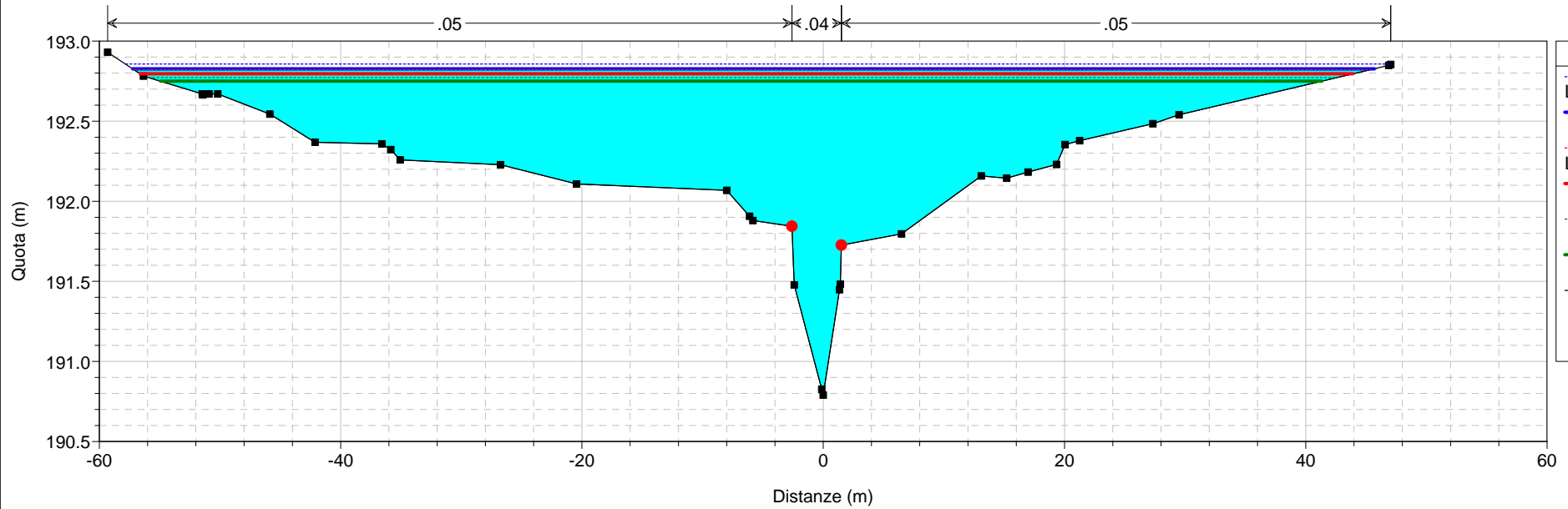
Affluente T. Volpe_ Post Operam

RS = 257.48 S. 2



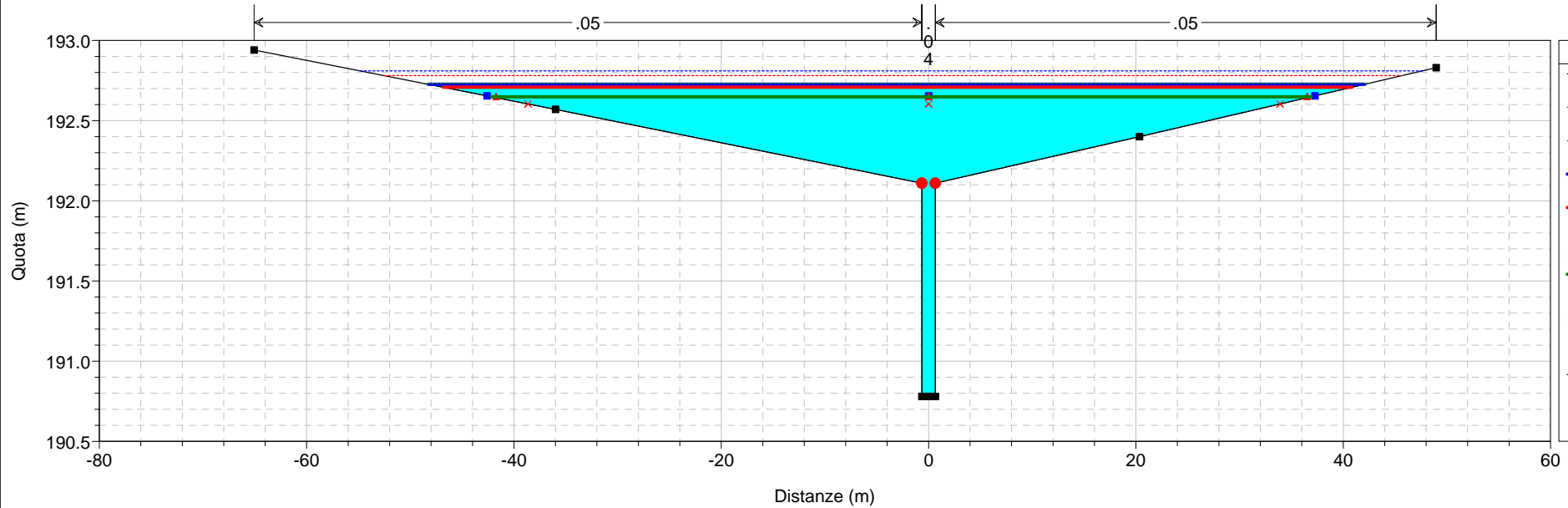
Affluente T. Volpe_ Post Operam

RS = 140.35 S. 3



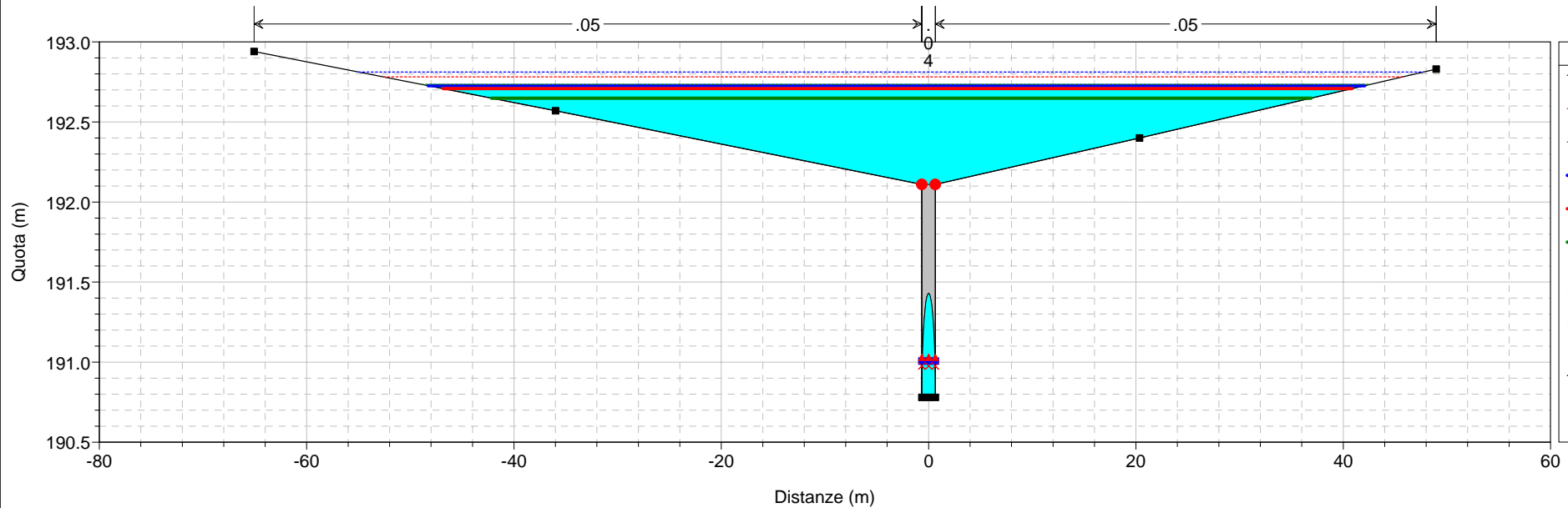
Affluente T. Volpe_ Post Operam

RS = 137.08 S. 4



Affluente T. Volpe_ Post Operam

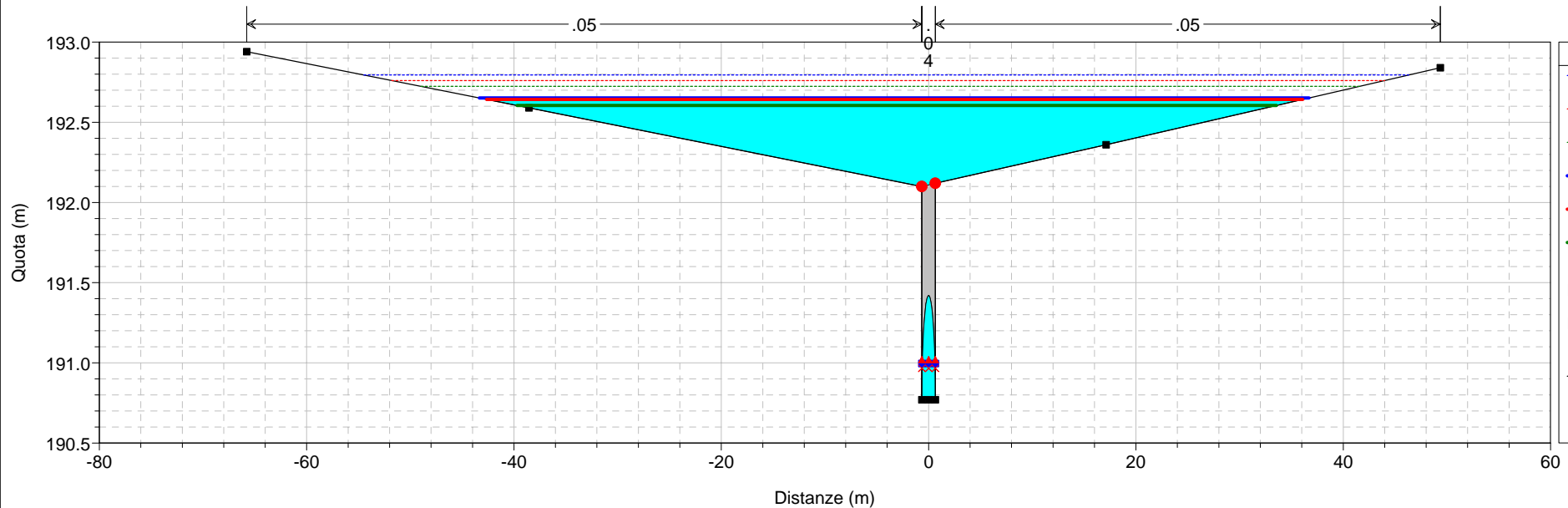
RS = 137.06 Culv Attraversamento con tombino semicircolare



Legend	
L. C.S. Q200	
L. C.S. Q100	
L. C.S. Q50	
L.C. Q200	
L.C. Q100	
L.C. Q50	
L.A.Crit Q100	
L.A.Crit Q200	
L.A.Crit Q50	
Terreno	
Alveo	

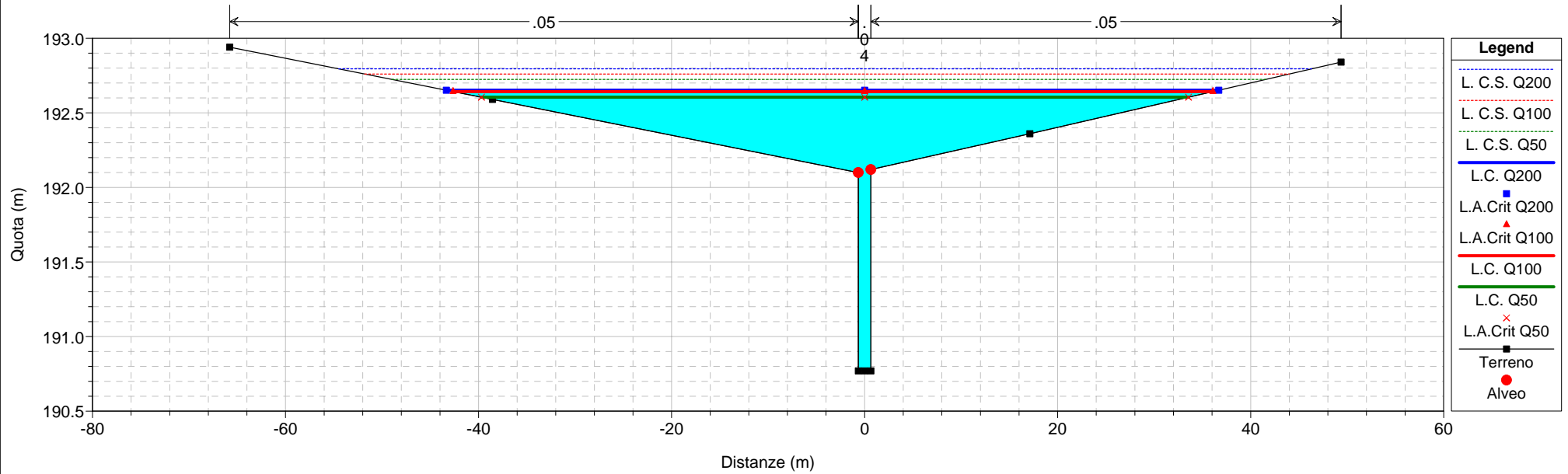
Affluente T. Volpe_ Post Operam

RS = 137.06 Culv Attraversamento con tombino semicircolare

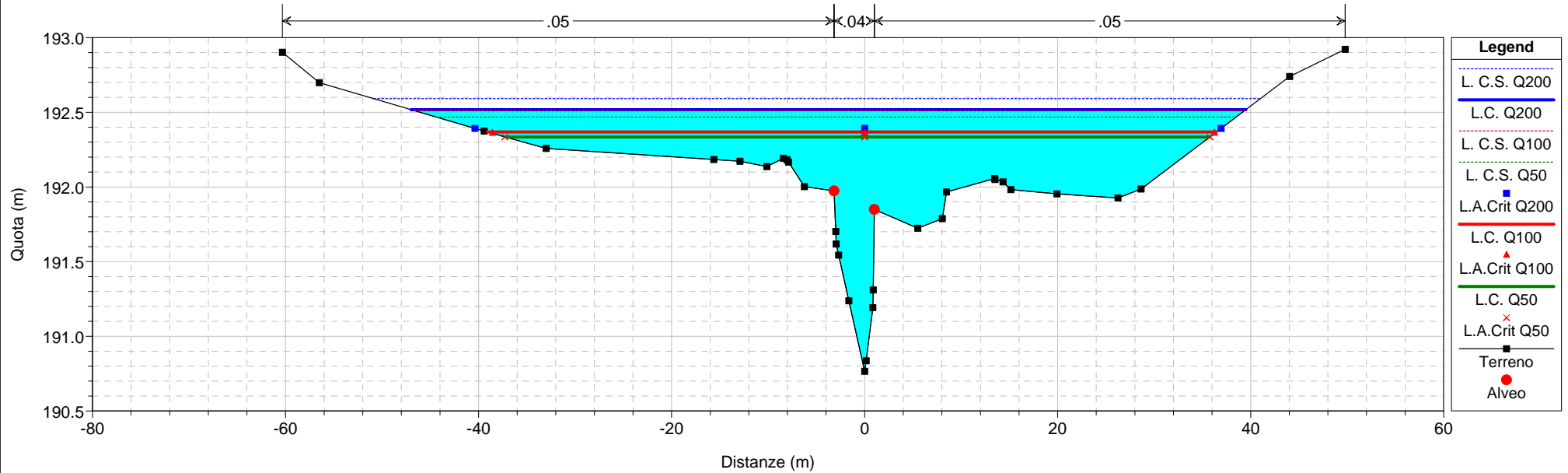


Legend	
L. C.S. Q200	
L. C.S. Q100	
L. C.S. Q50	
L.C. Q200	
L.C. Q100	
L.C. Q50	
L.A.Crit Q100	
L.A.Crit Q200	
L.A.Crit Q50	
Terreno	
Alveo	

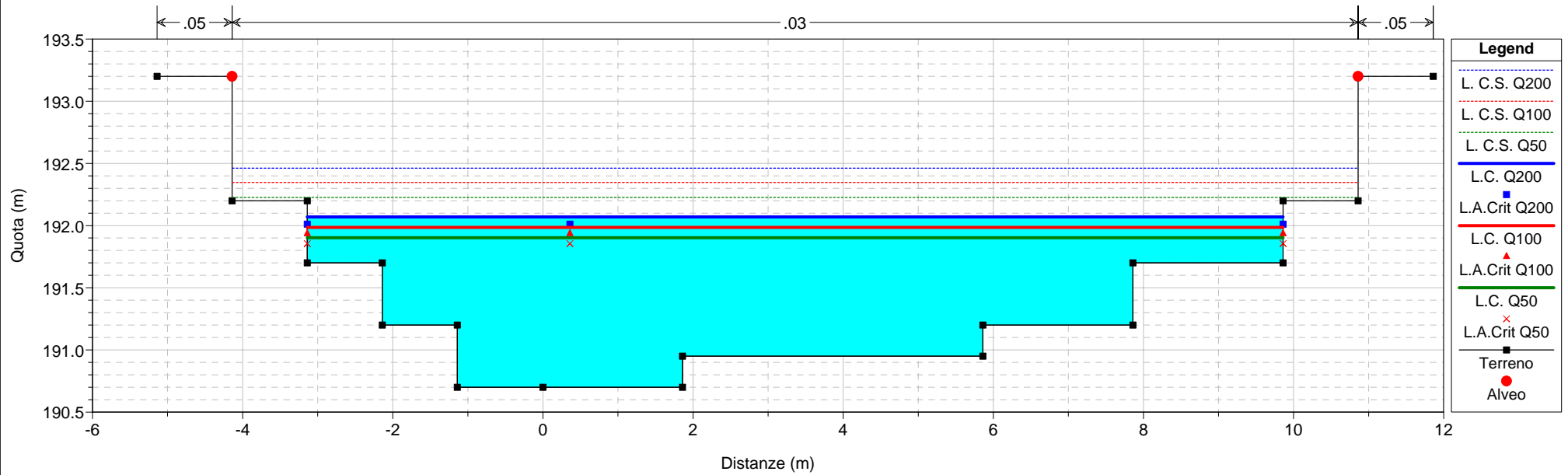
Affluente T. Volpe_ Post Operam
RS = 133.02 S. 5



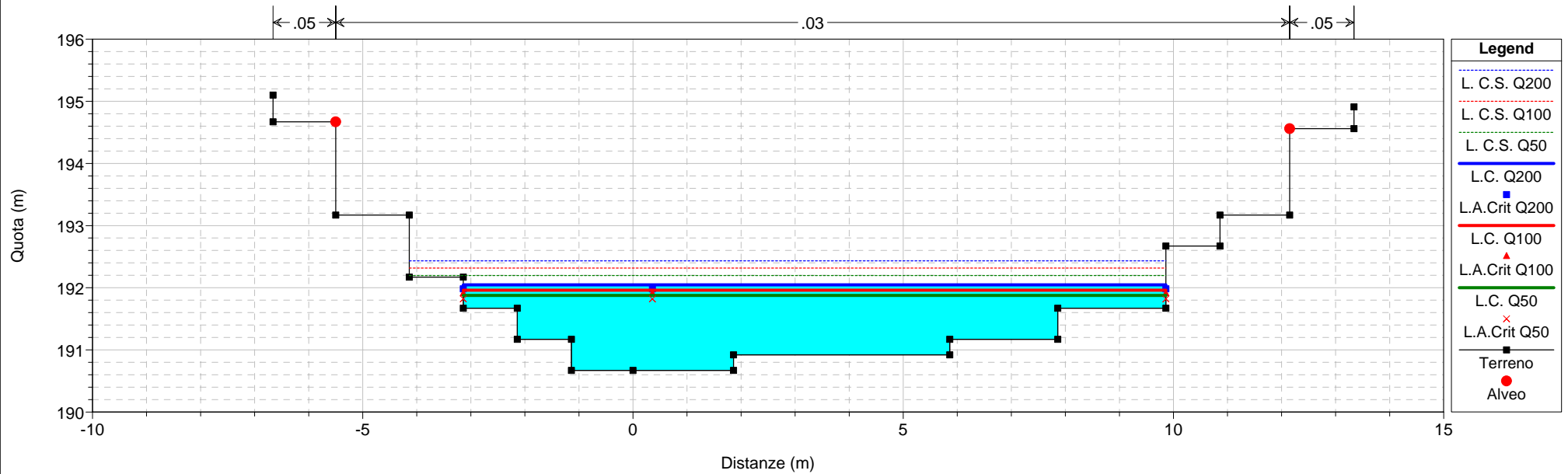
Affluente T. Volpe_ Post Operam
RS = 128.64 S. 6



Affluente T. Volpe_ Post Operam
RS = 123.20 S. 7 - MODELLAZIONE ALVEO IN GABBIONI

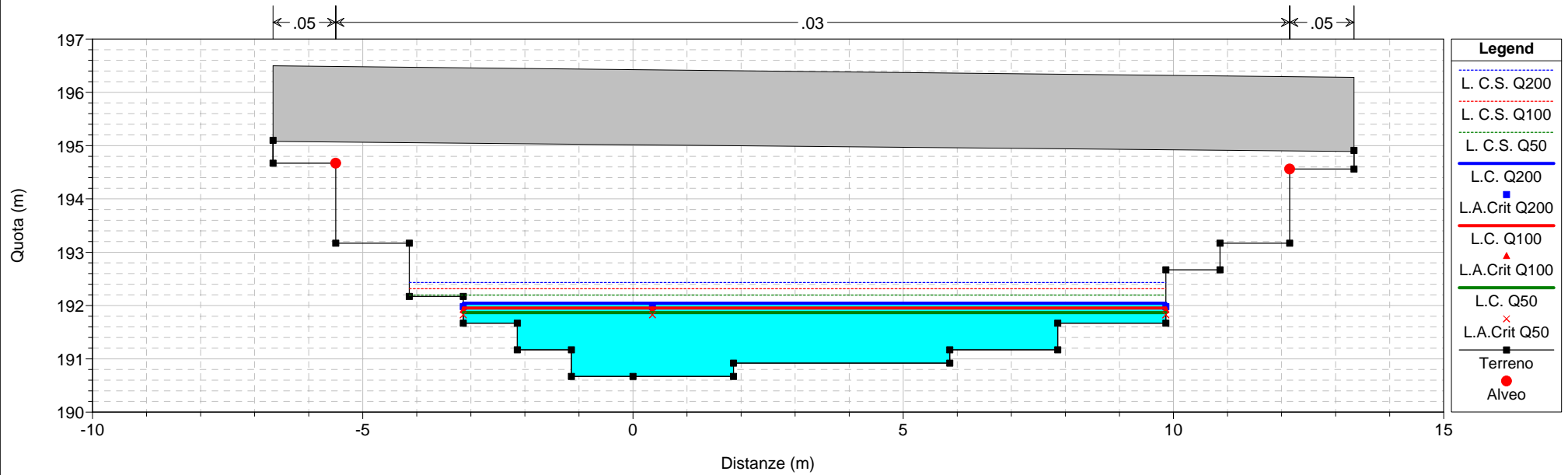


Affluente T. Volpe_ Post Operam
RS = 120.53 S. 8 - MODELLAZIONE ALVEO IN GABBIONI



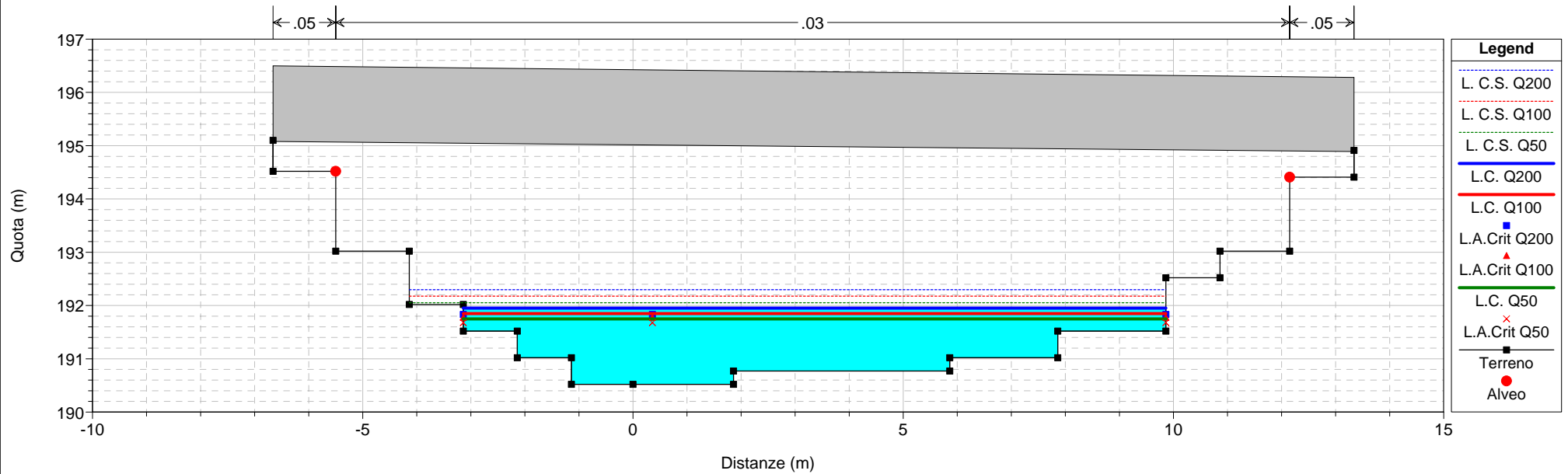
Affluente T. Volpe_ Post Operam

RS = 120.52 BR PONTE VOLPE - MODELLAZIONE ALVEO IN GABBIONI

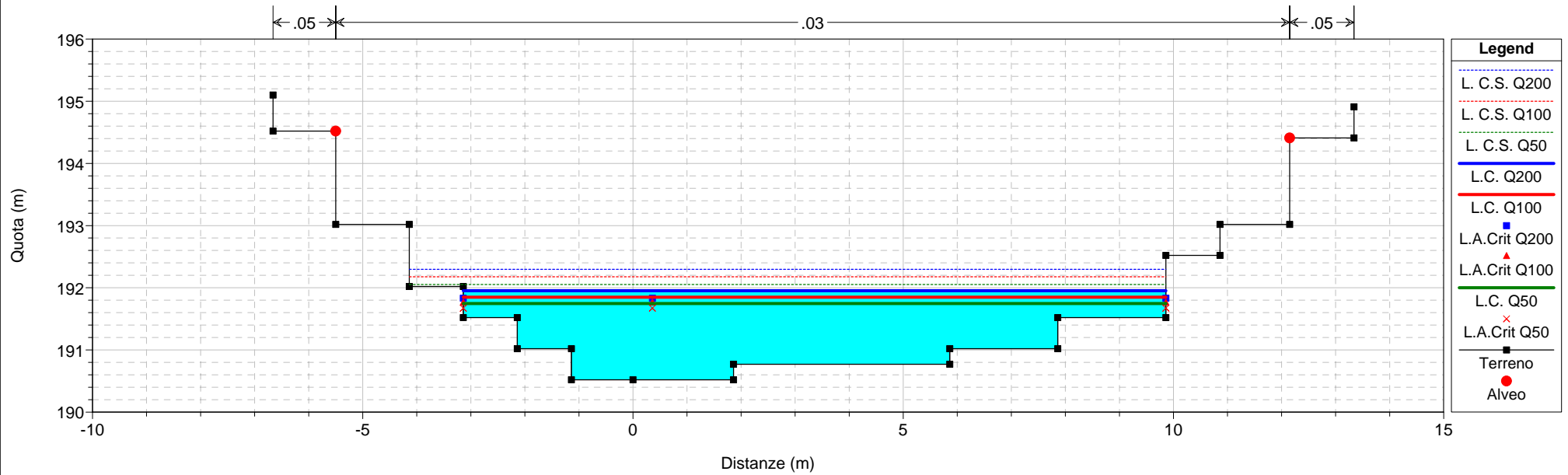


Affluente T. Volpe_ Post Operam

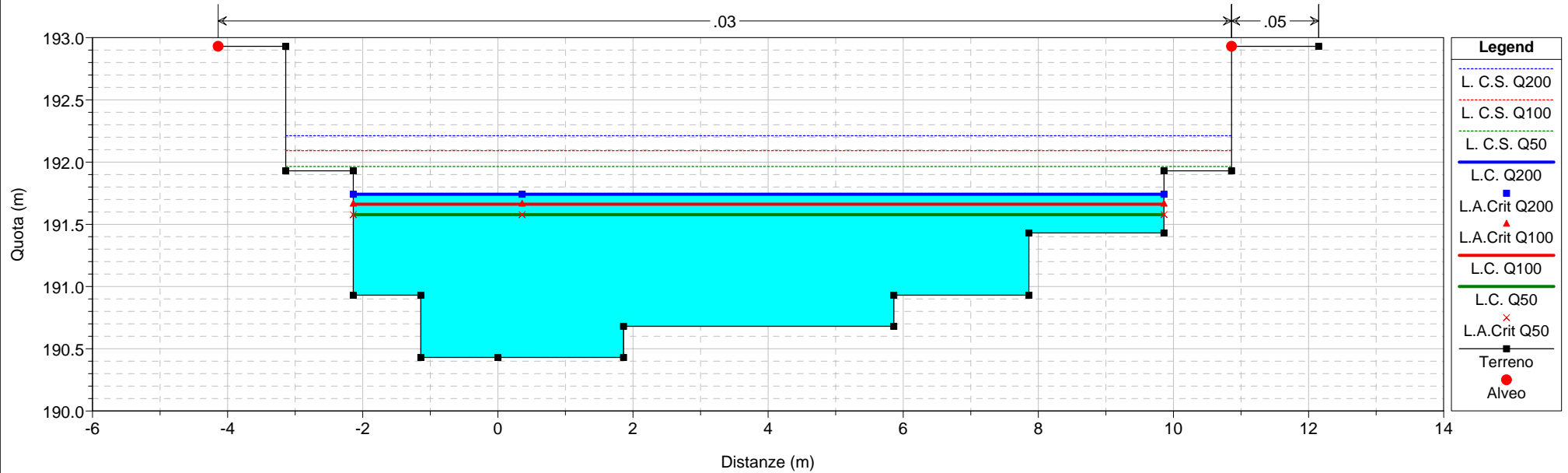
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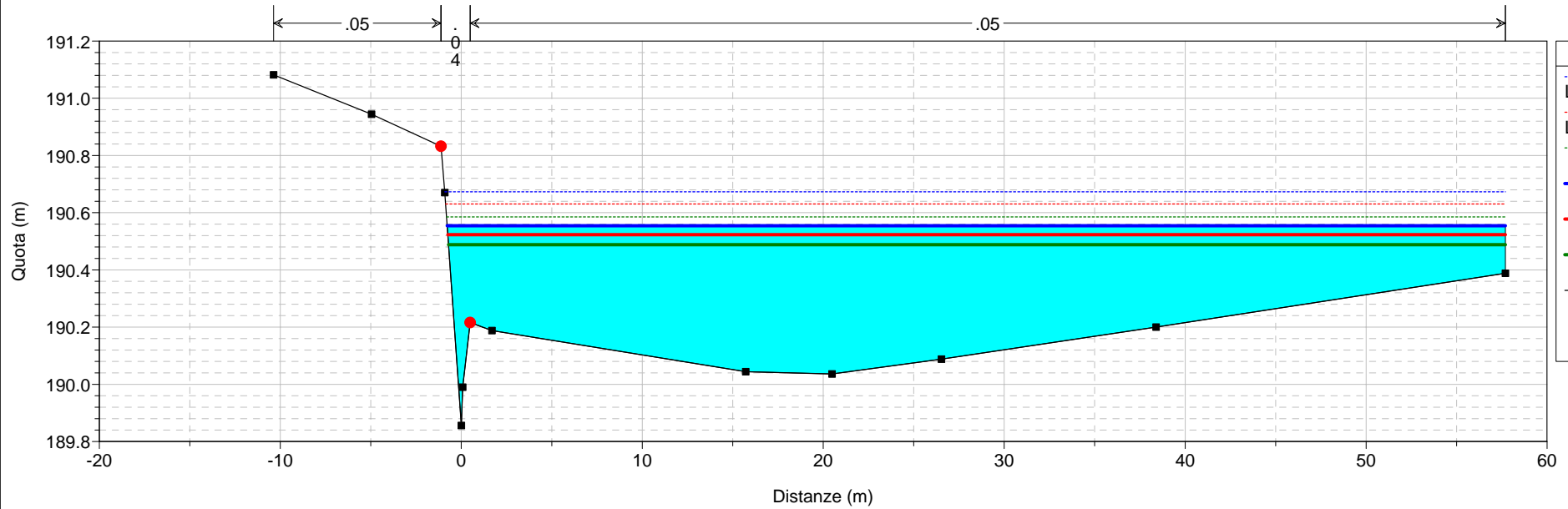
Affluente T. Volpe_ Post Operam
RS = 106.36 S.9 - MODELLAZIONE ALVEO IN GABBIONI



Affluente T. Volpe_ Post Operam
RS = 98.64 S. 10 - MODELLAZIONE ALVEO IN GABBIONI



Affluente T. Volpe_ Post Operam
RS = 49.68 S. 11



Affluente T. Volpe_ Post Operam
RS = 13.19 S. 12

