



# PROVINCIA REGIONALE DI RAGUSA

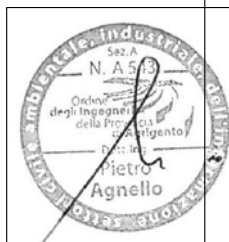
## POTENZIAMENTO DEI COLLEGAMENTI STRADALI FRA LA S.S. N. 115 TRATTO COMISO-VITTORIA, IL NUOVO AEROPORTO DI COMISO E LA S.S. N. 514 RAGUSA-CATANIA

### 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 ante operam

CODICE: PD-ID01-IDR-SZ01-A

SCALA: ----

DATA: Ottobre 2010

NOME FILE: PD-ID01-IDR-SZ01-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**

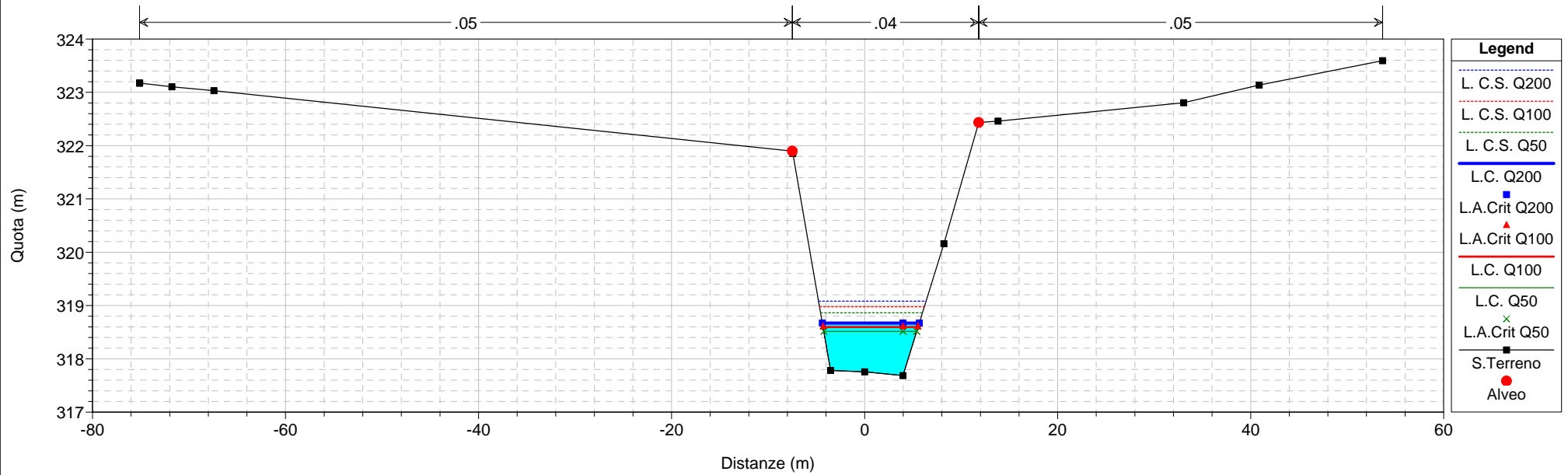
**STATO ANTE OPERAM  
(STATO DI FATTO)**

**SIMULAZIONE IDRAULICA IN MOTO PERMANENTE**

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

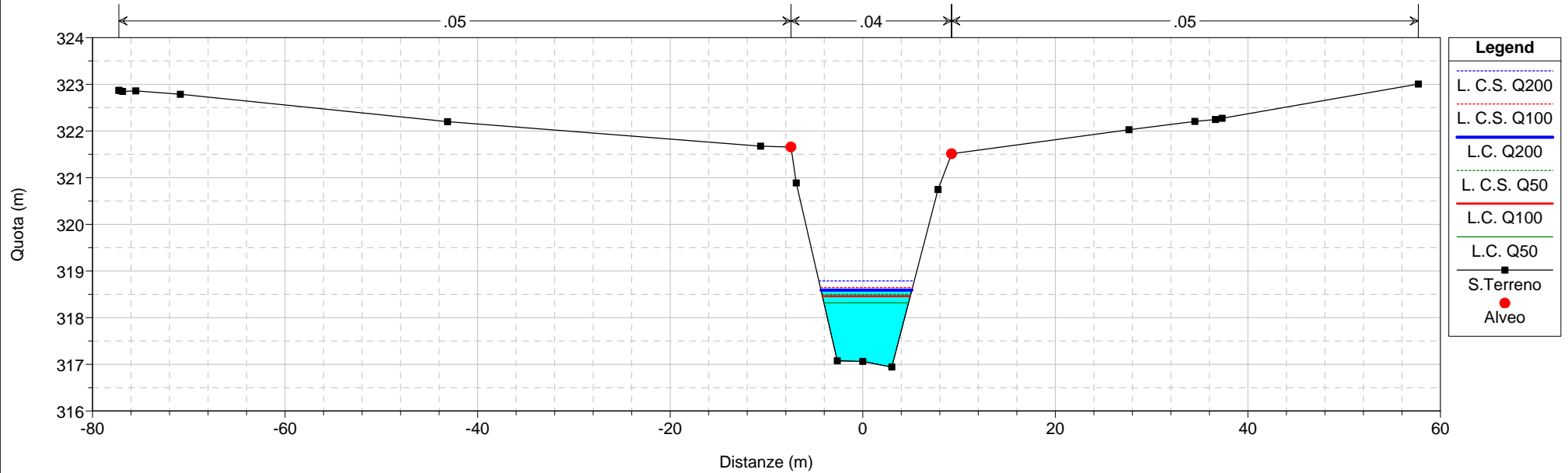
Cava del Bosco\_Stato di fatto

S.1



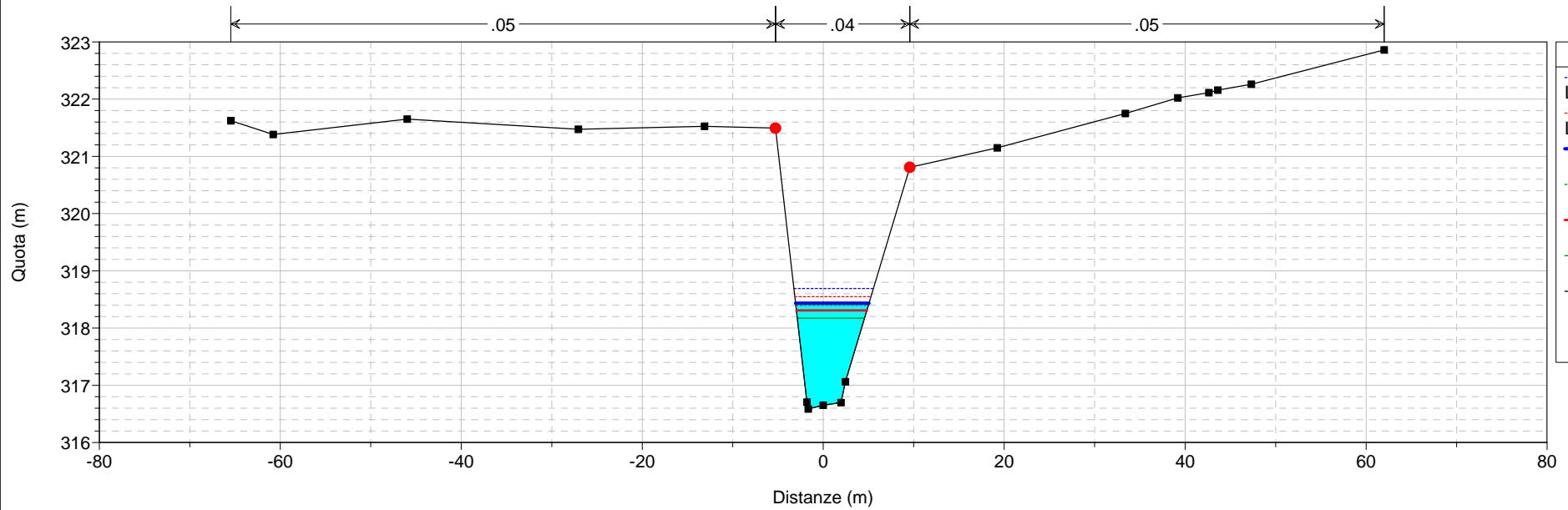
Cava del Bosco\_Stato di fatto

S.2



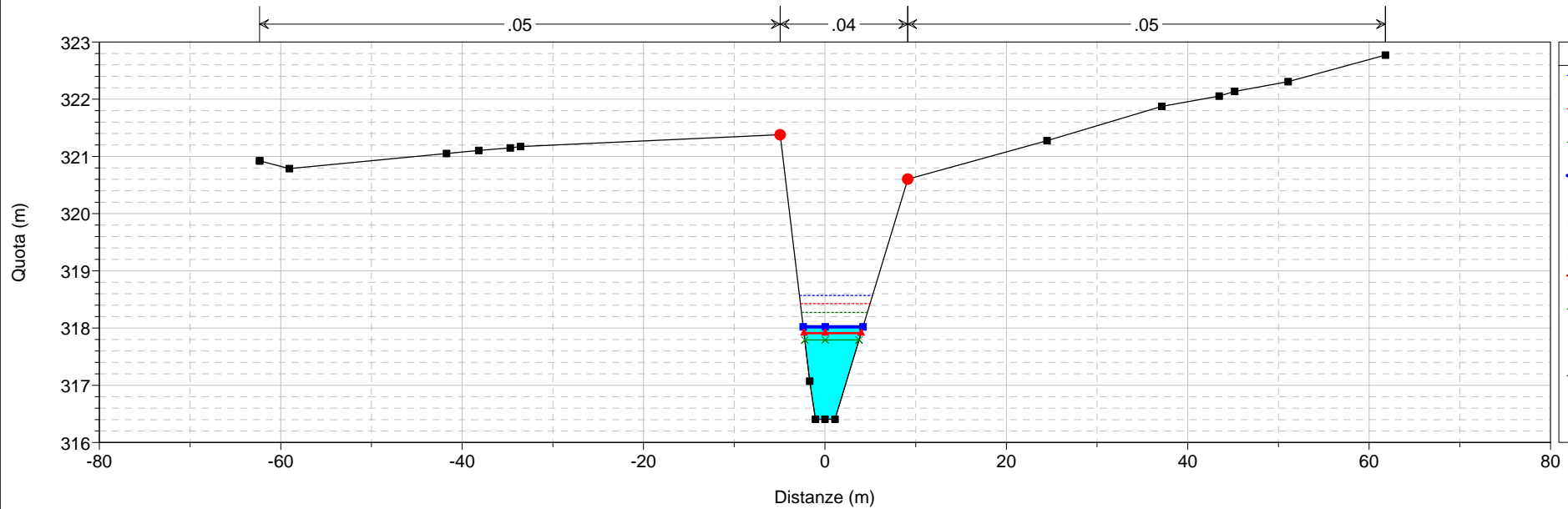
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S.3



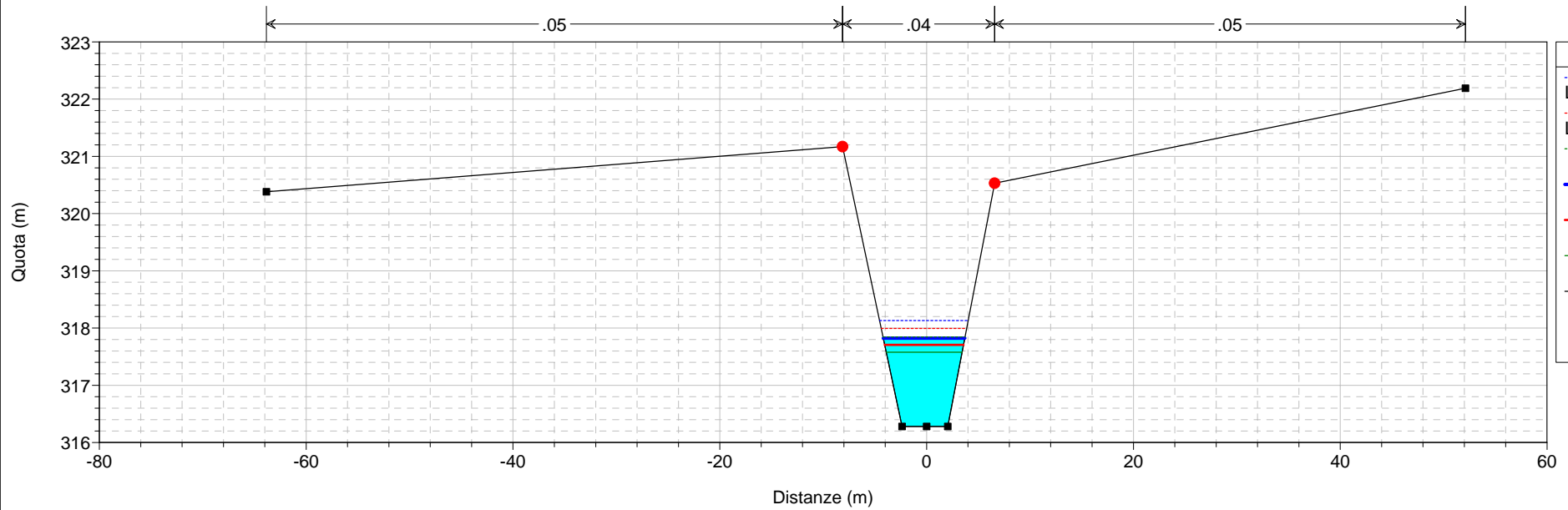
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S.4



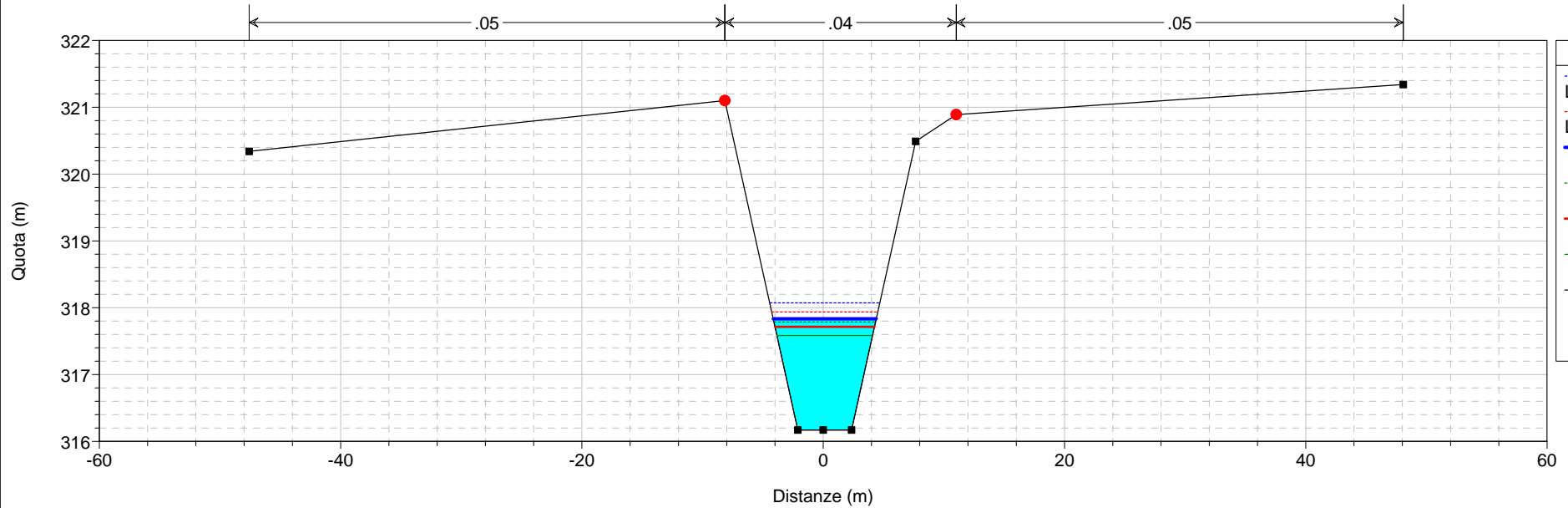
Cava del Bosco\_Stato di fatto

S.5



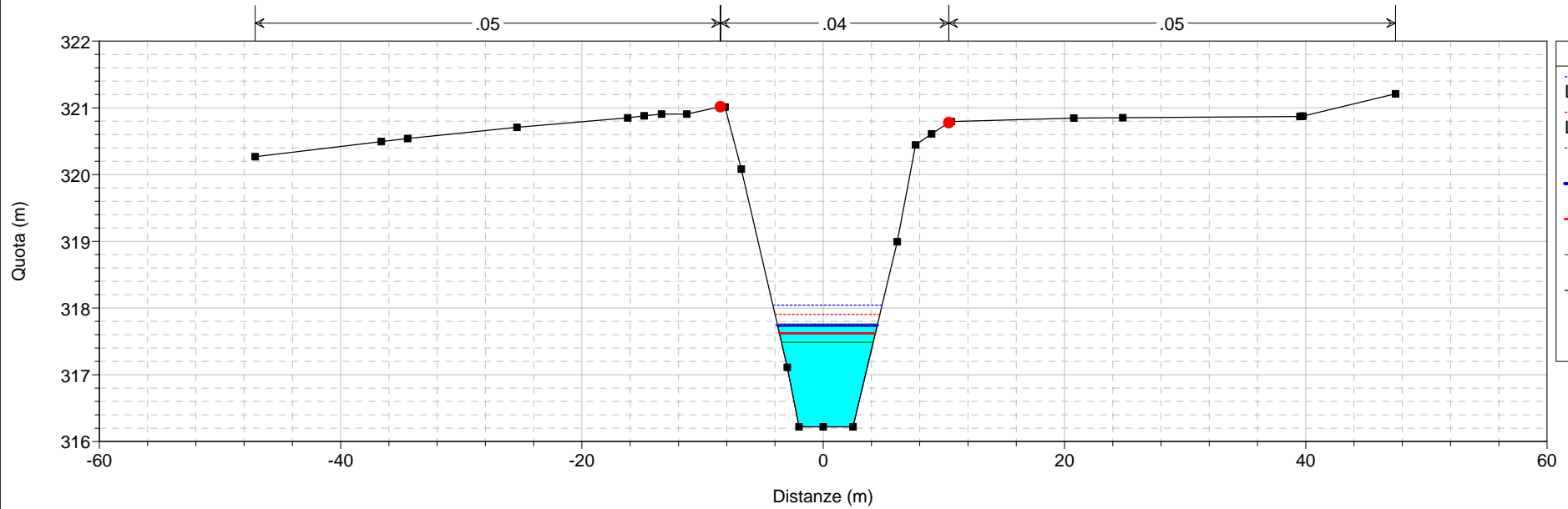
Cava del Bosco\_Stato di fatto

S.6



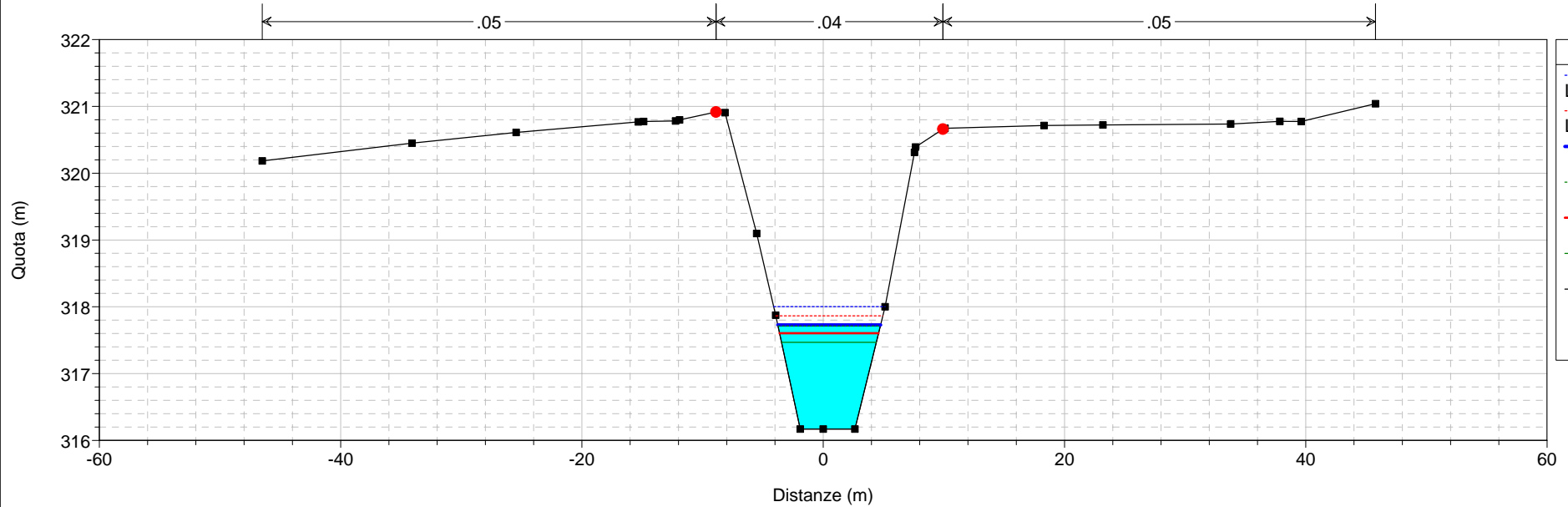
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S.7



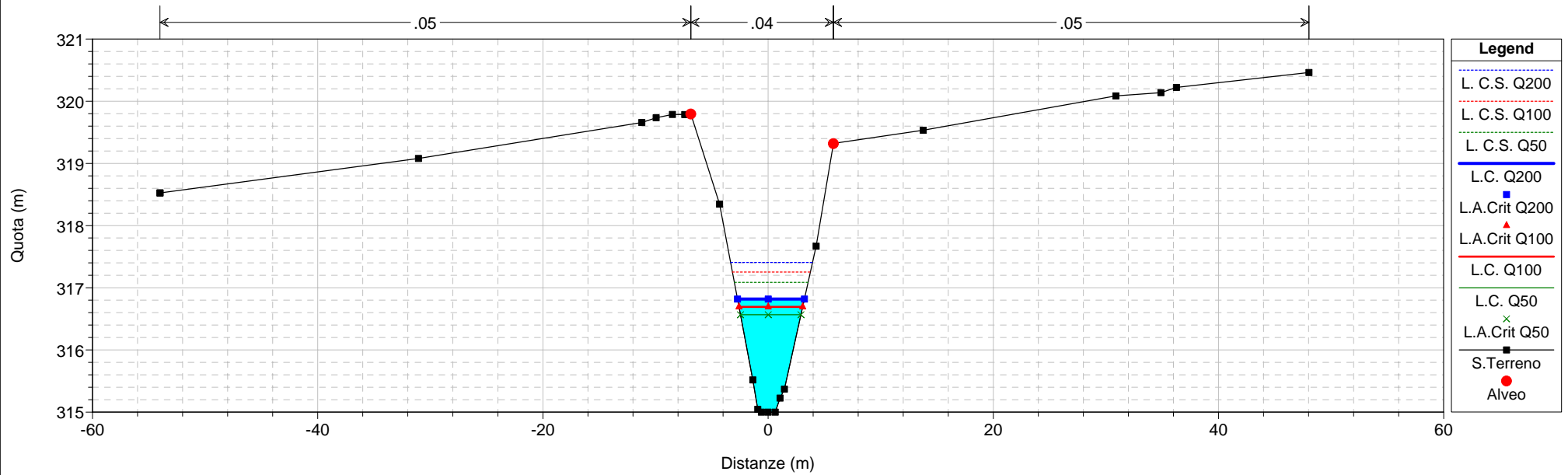
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S.8



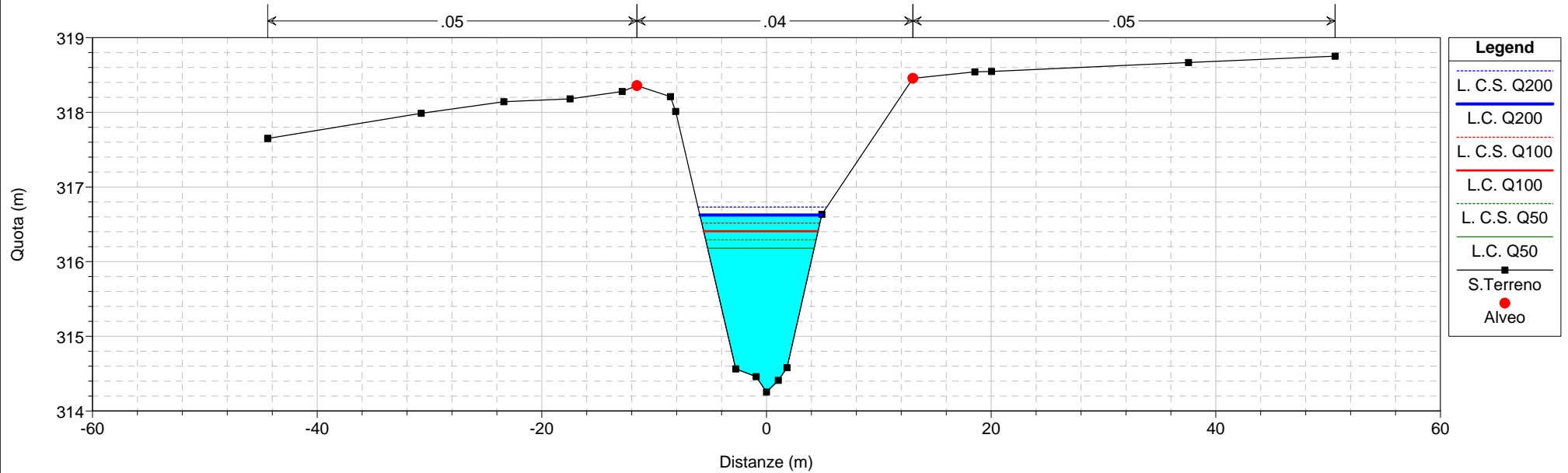
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S.9

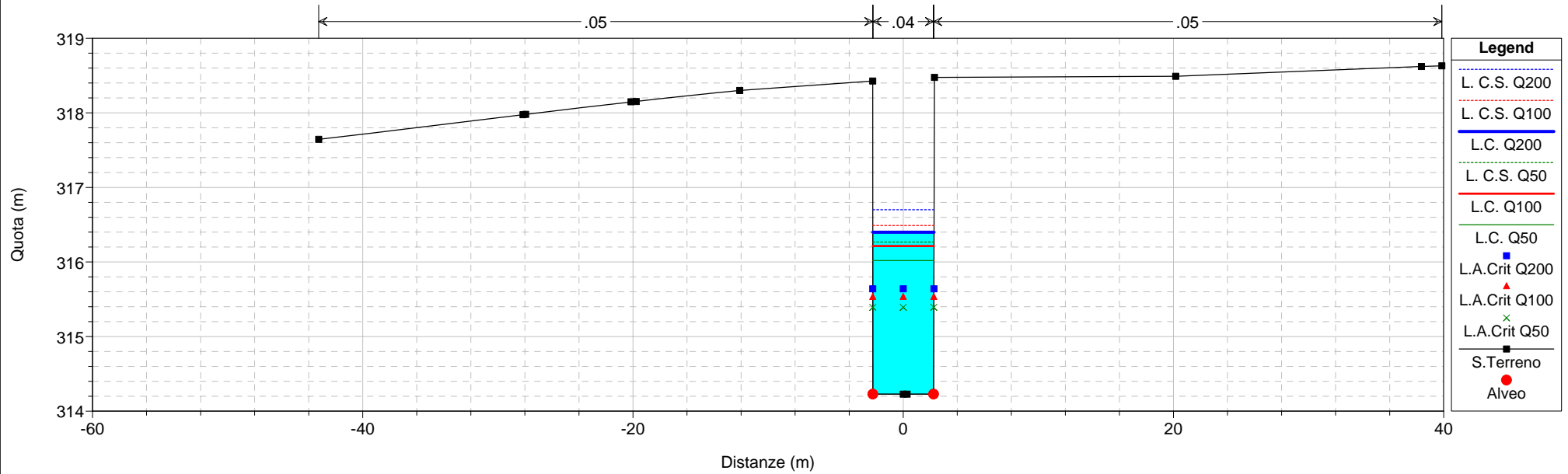


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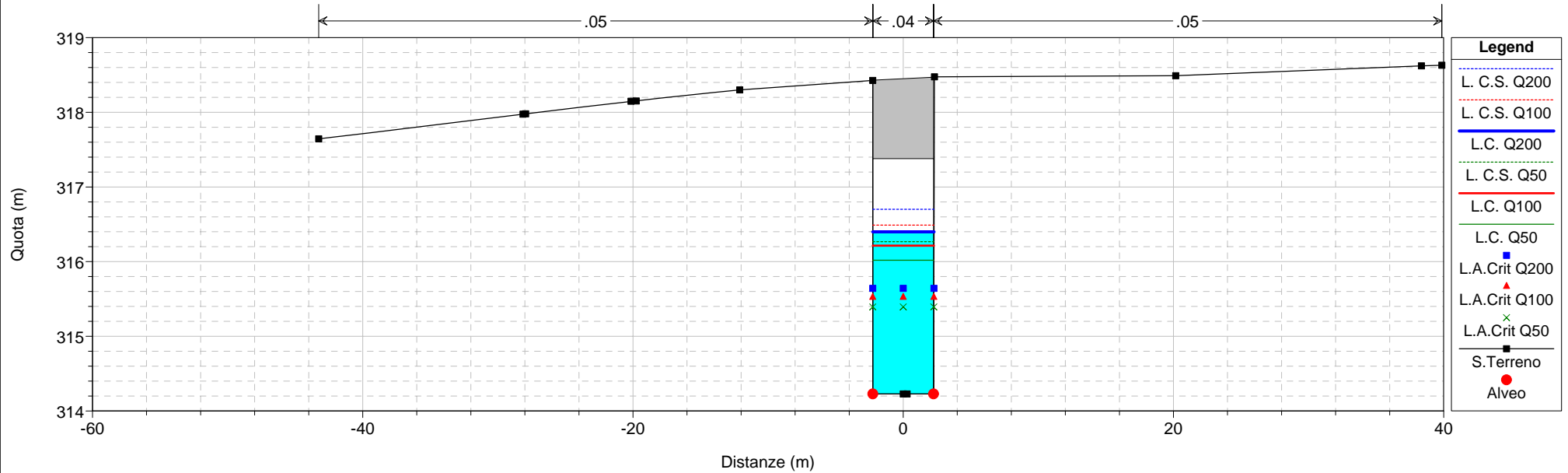
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Cava del Bosco\_Stato di fatto  
S.11

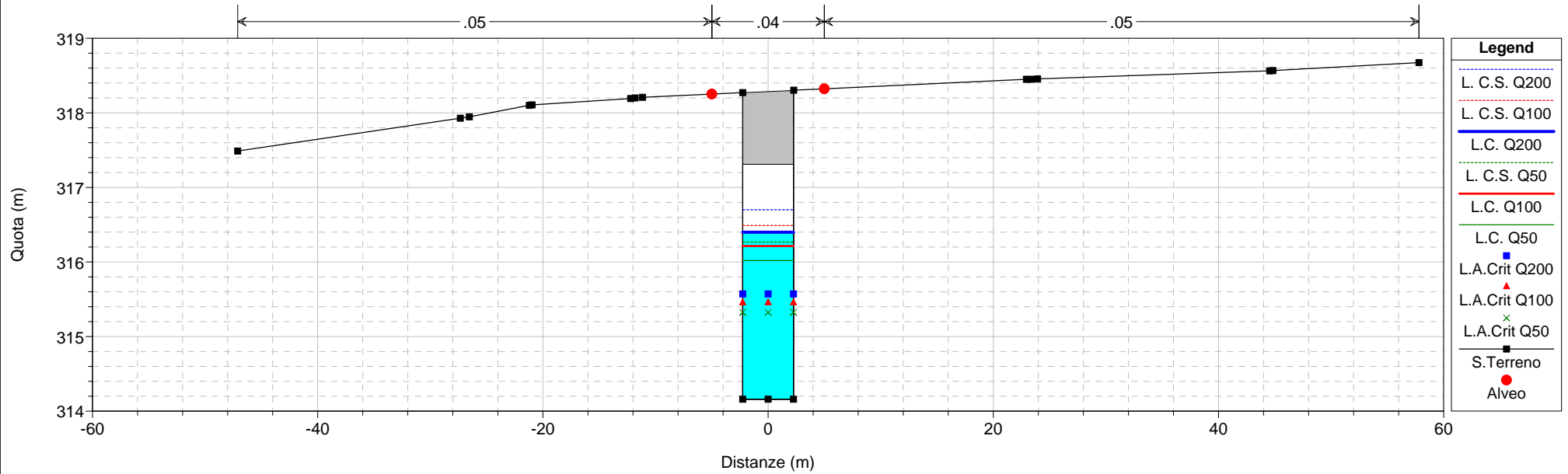


Cava del Bosco\_Stato di fatto  
SCATOLARE

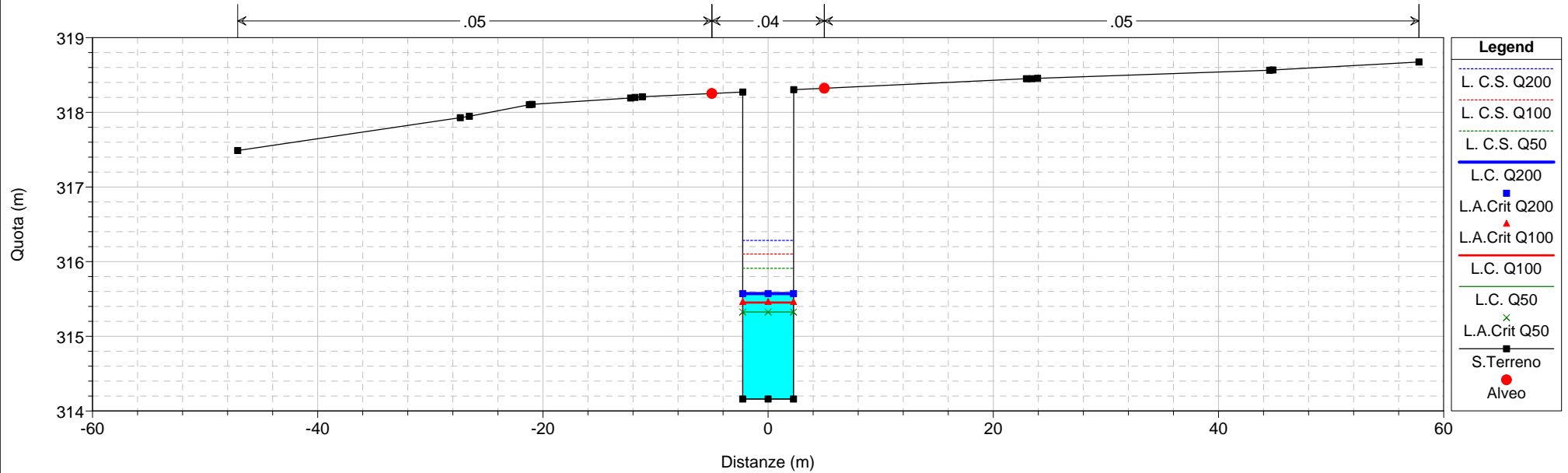




# Cava del Bosco\_Stato di fatto SCATOLARE

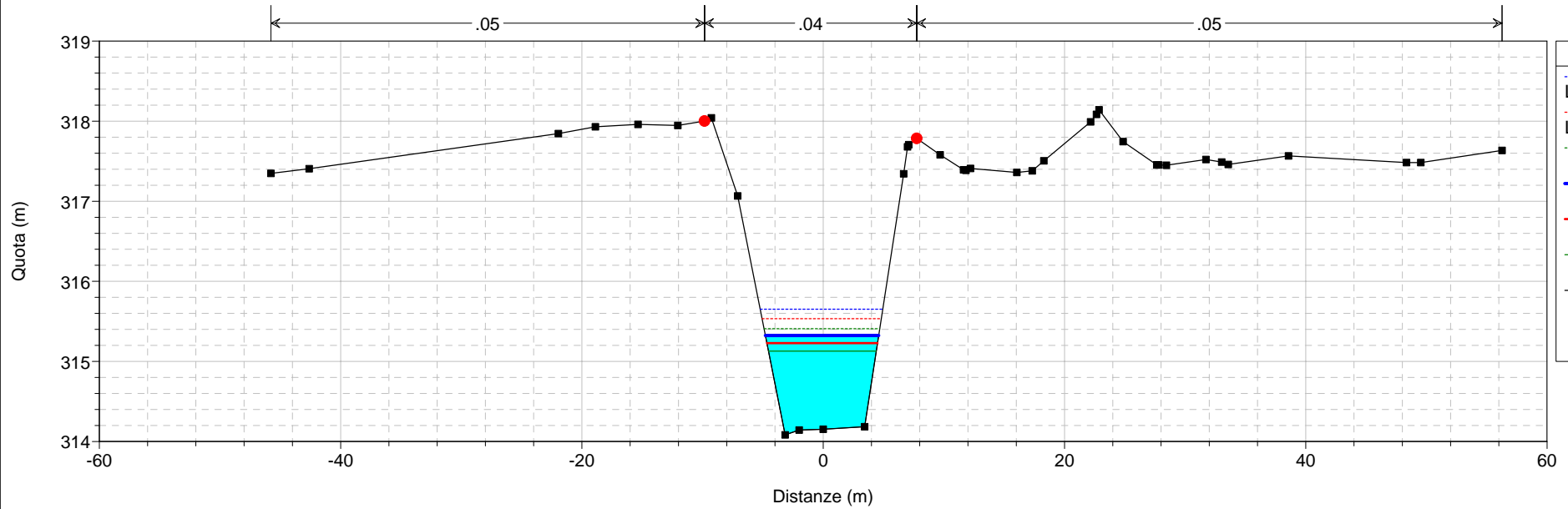


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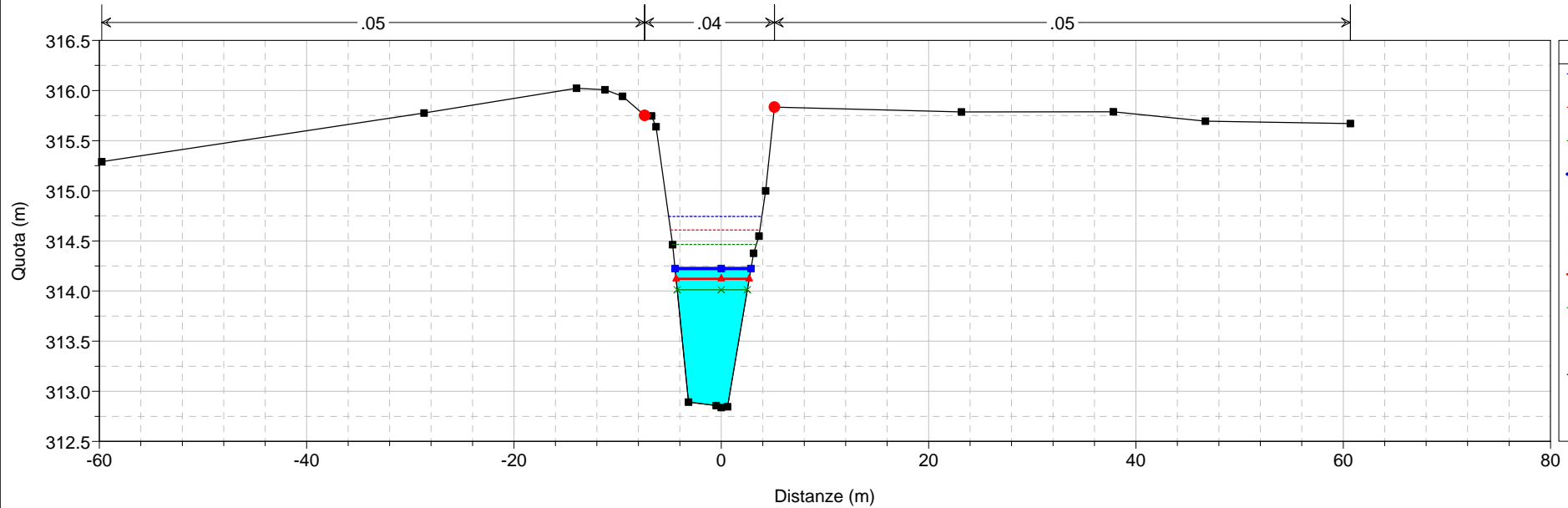
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S.13



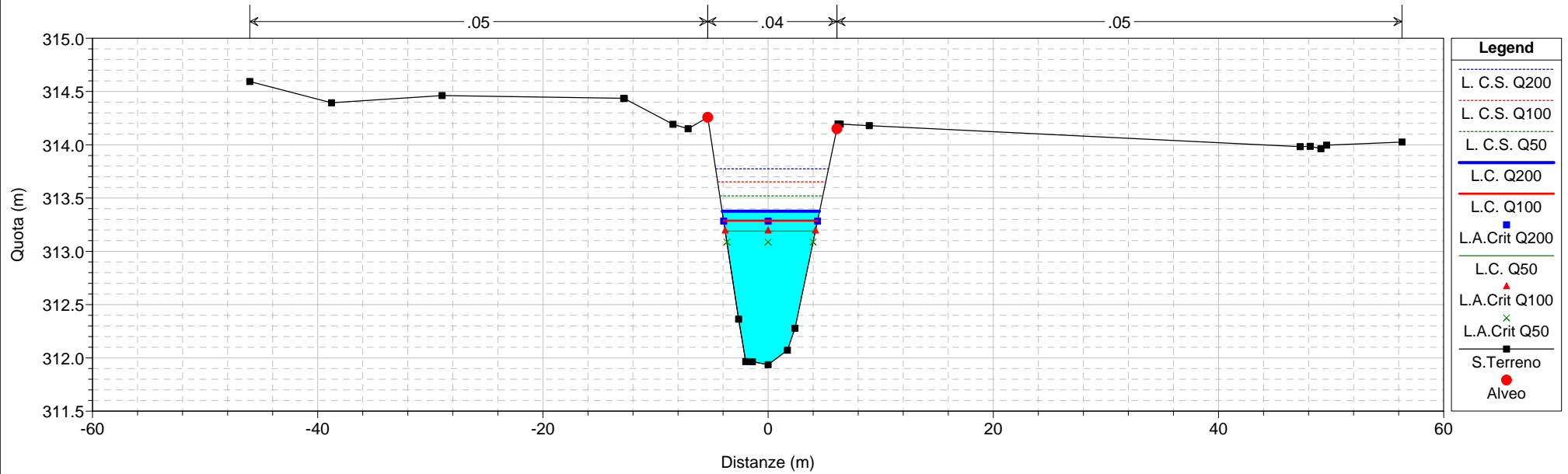
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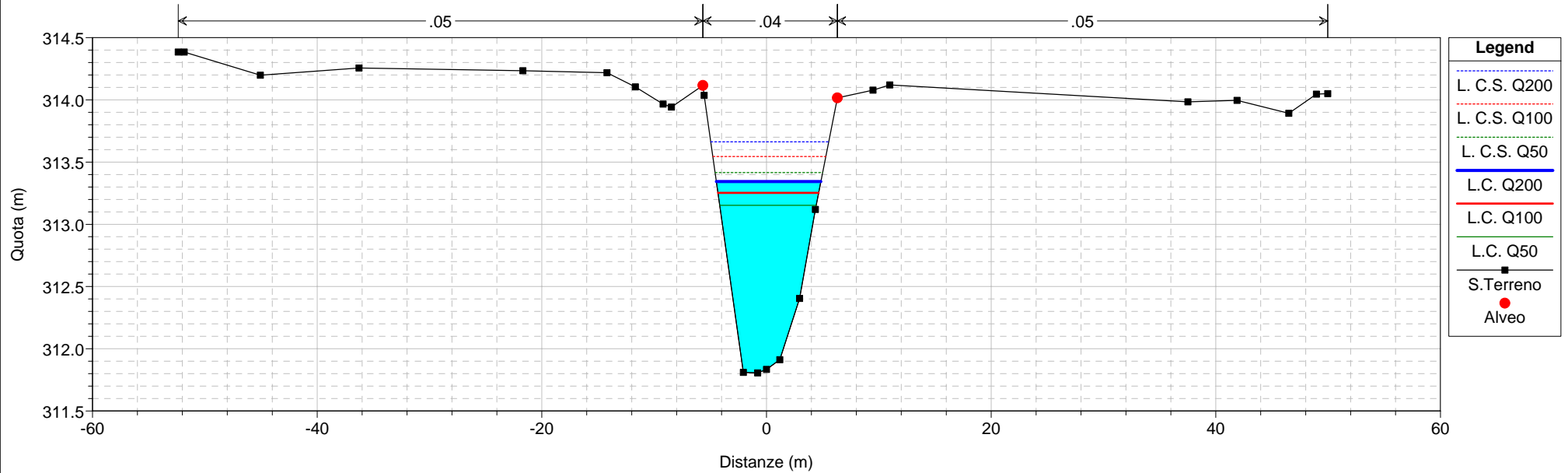
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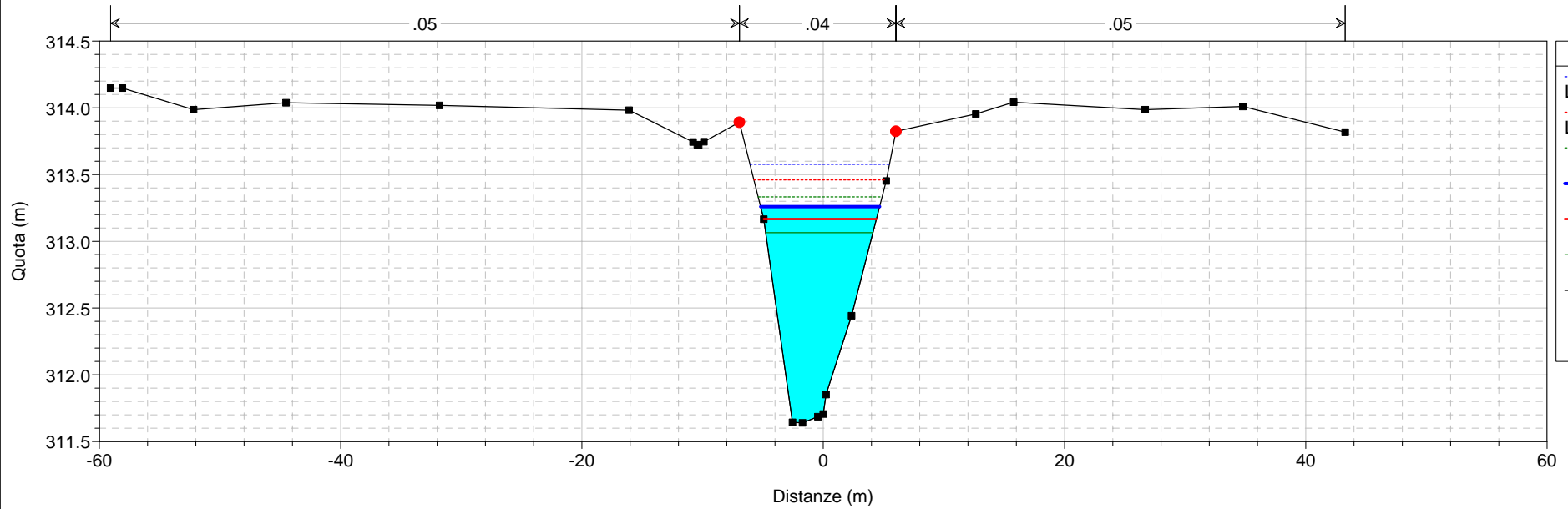


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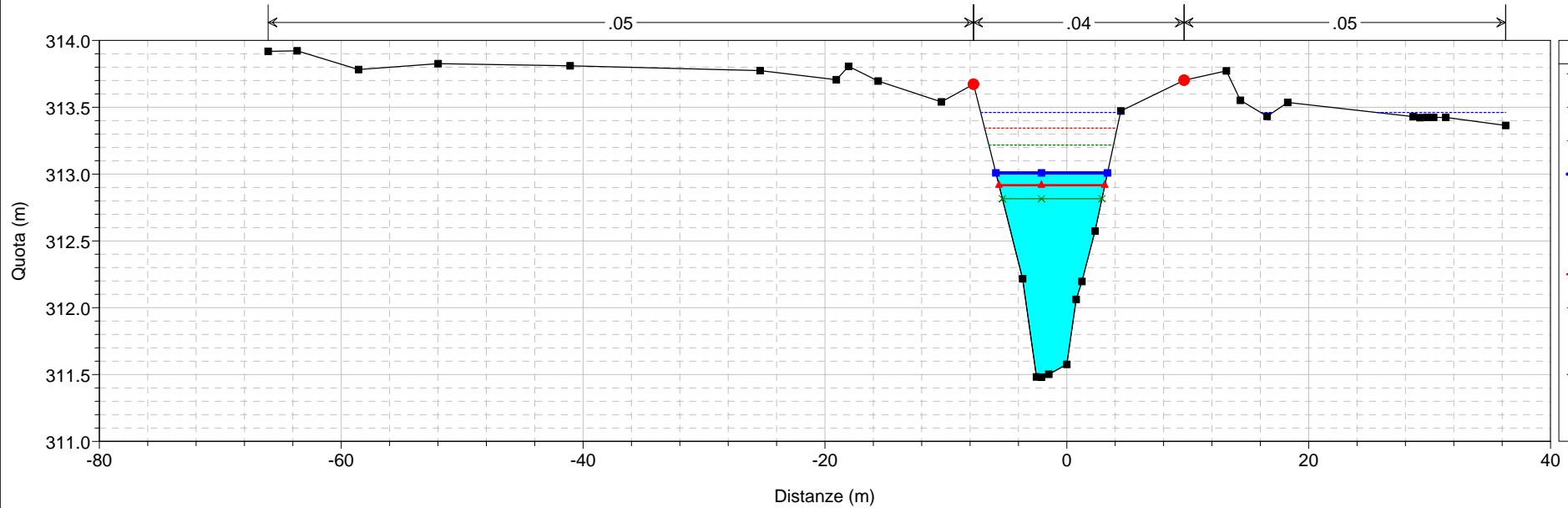
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Cava del Bosco\_Stato di fatto  
S.17



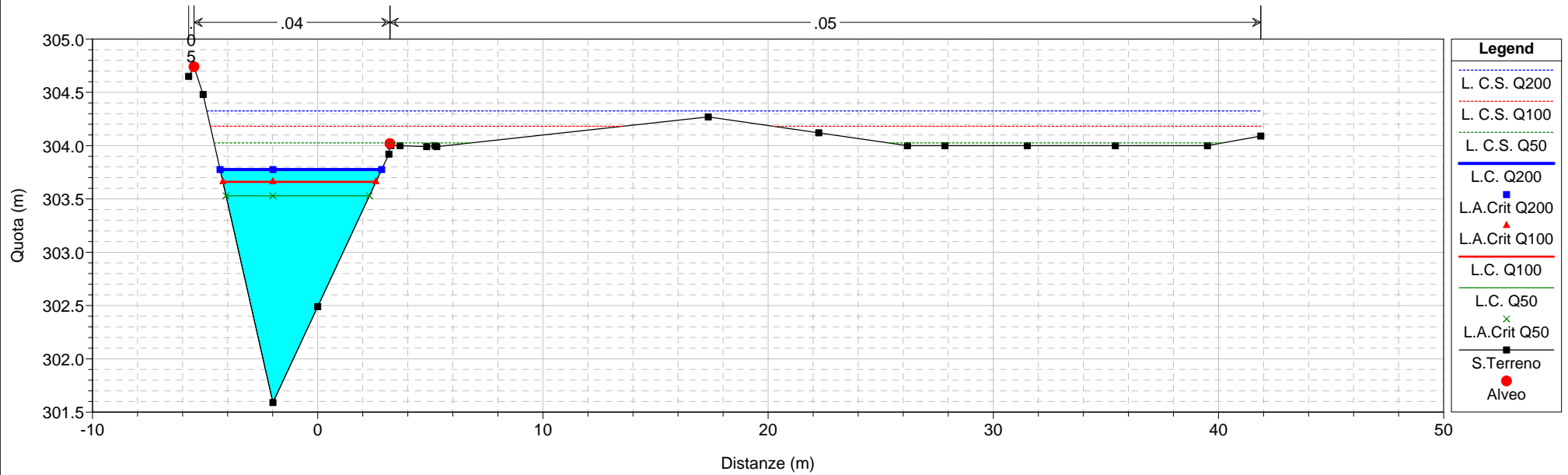
Cava del Bosco\_Stato di fatto  
S.18





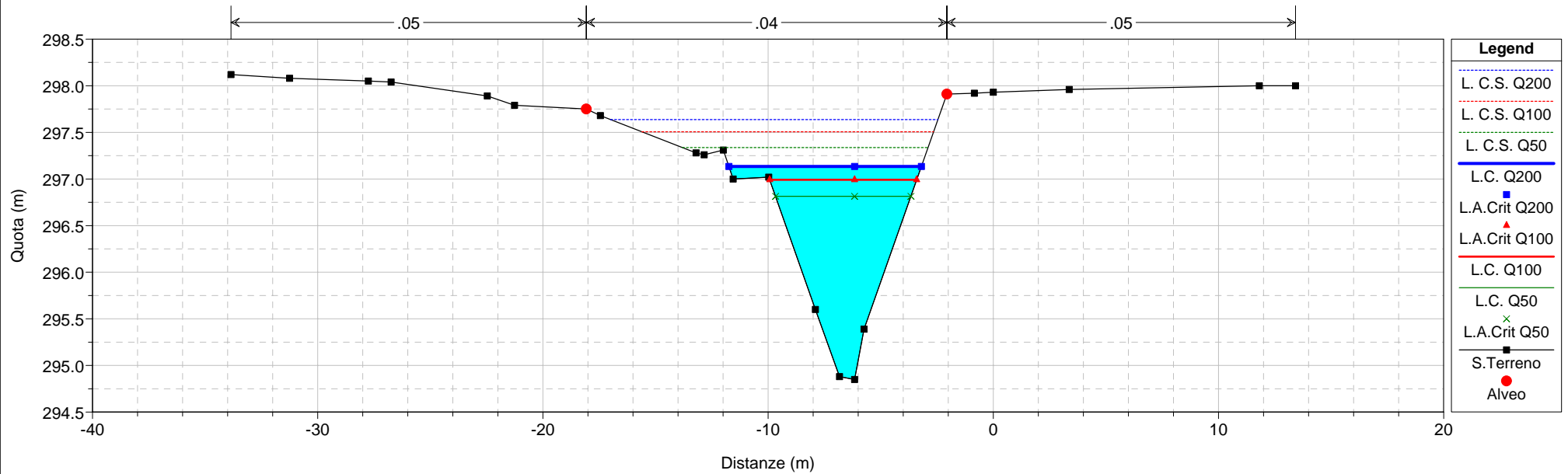
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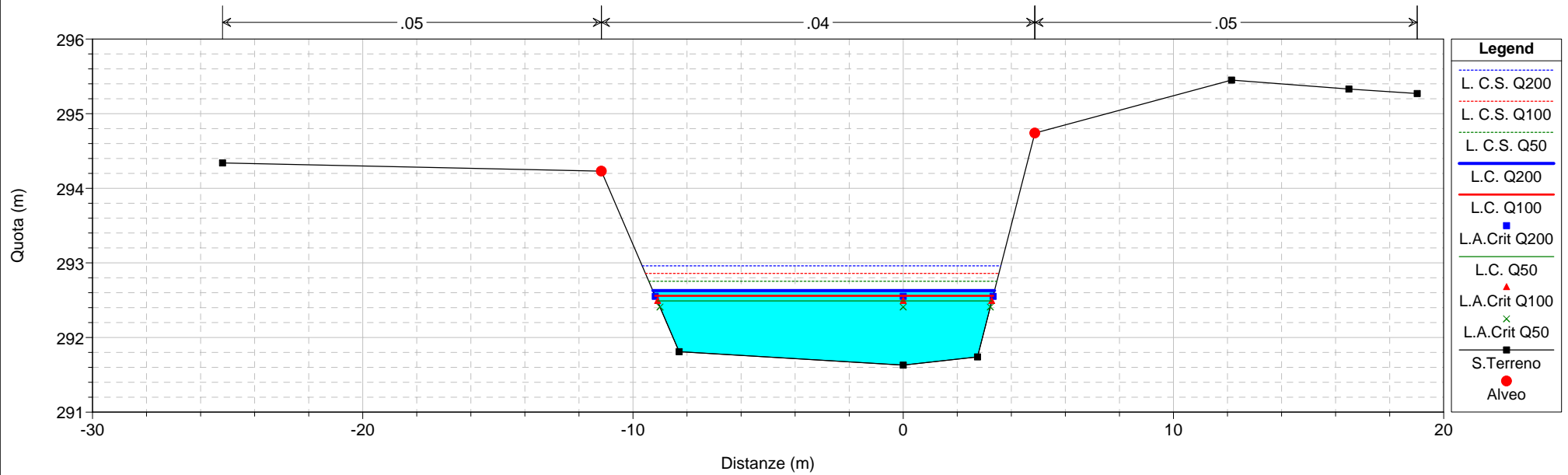


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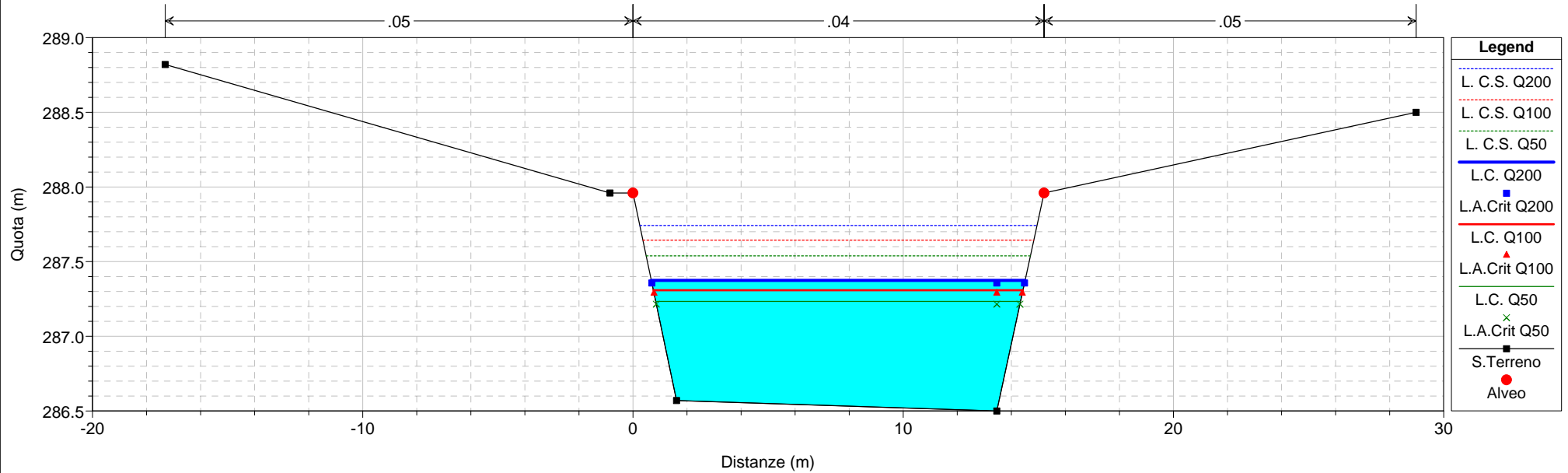
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Cava del Bosco\_Stato di fatto  
S.26

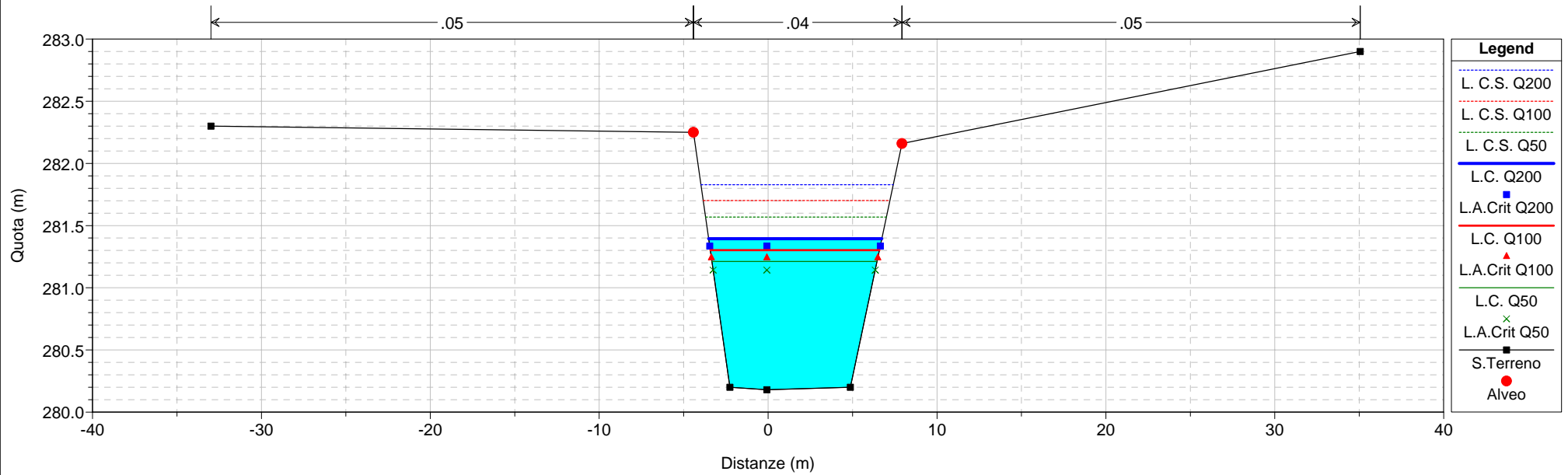


Cava del Bosco\_Stato di fatto  
S.27



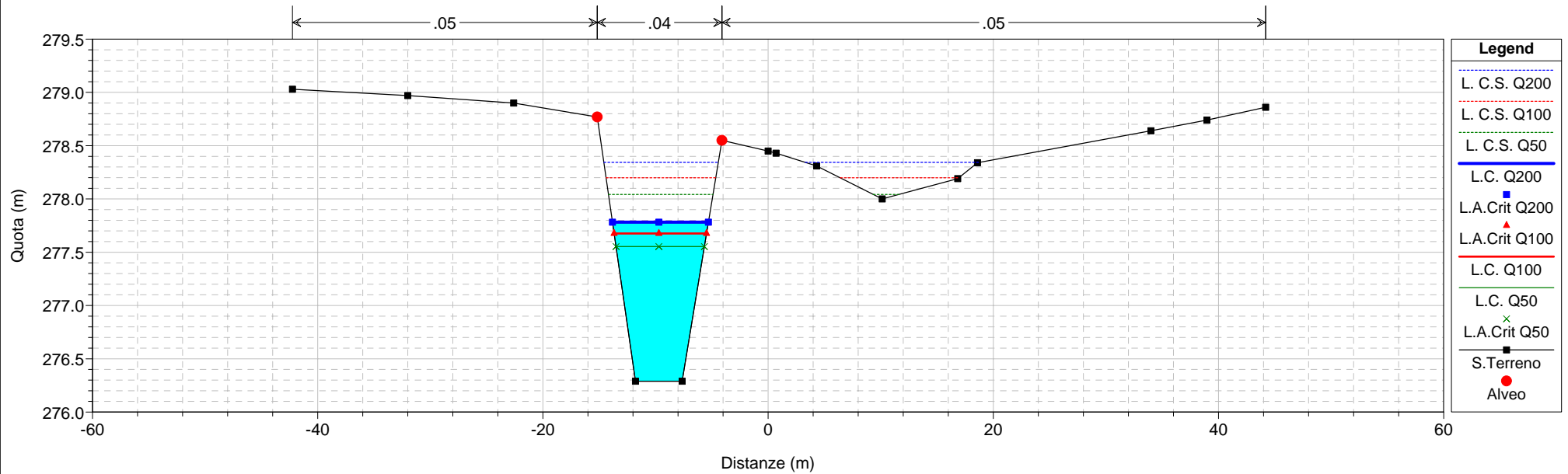
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S.28



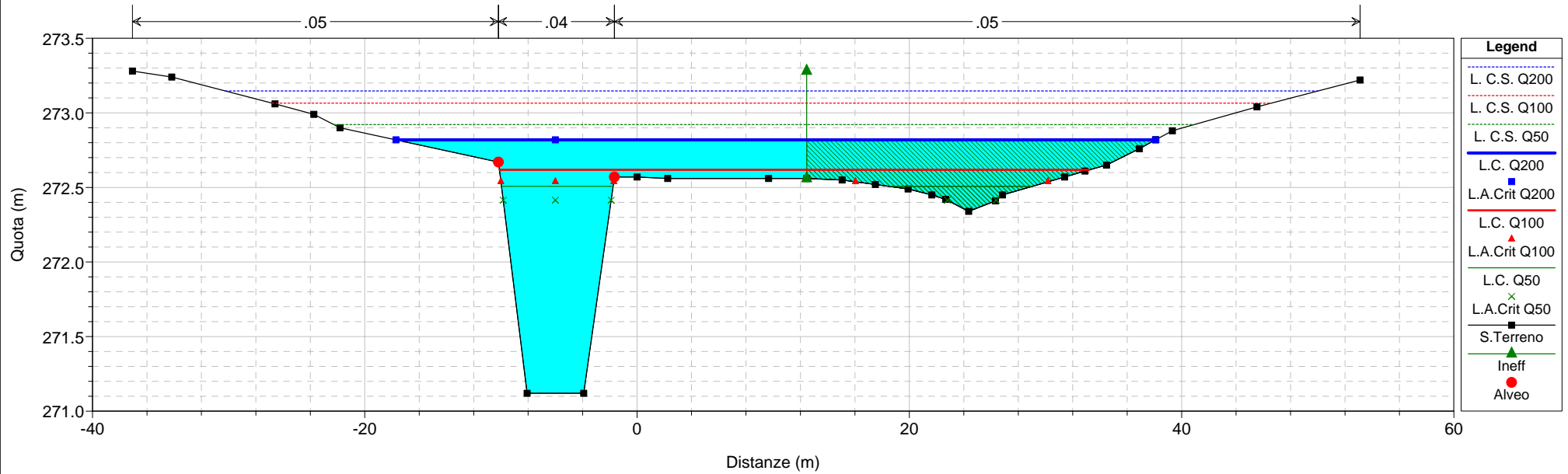
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S.29

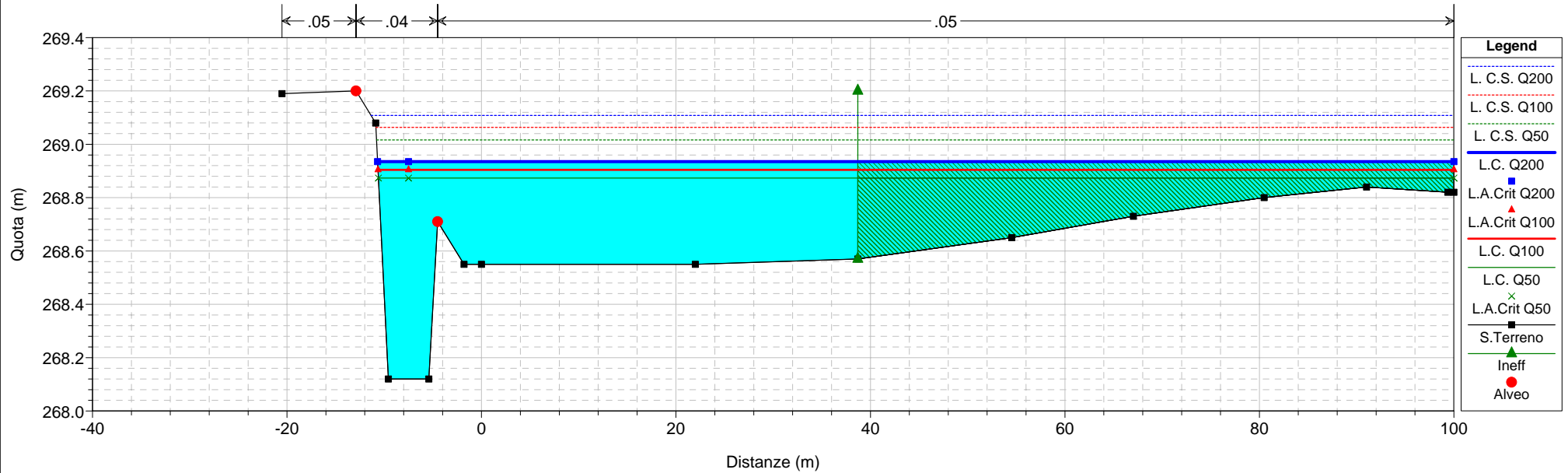




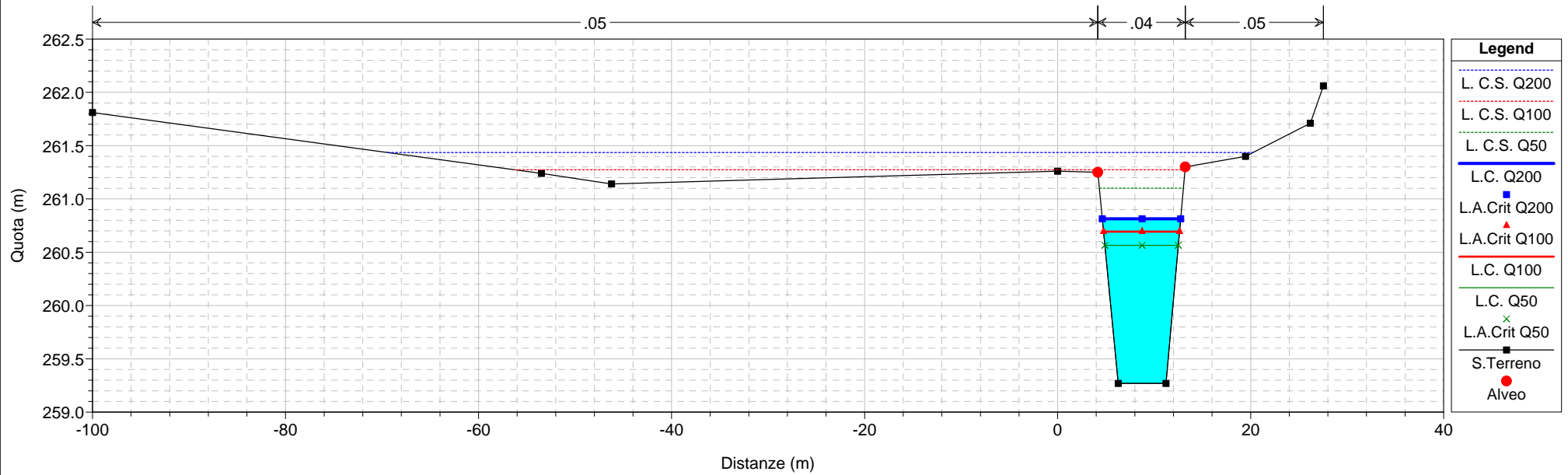
Cava del Bosco\_Stato di fatto  
S.30



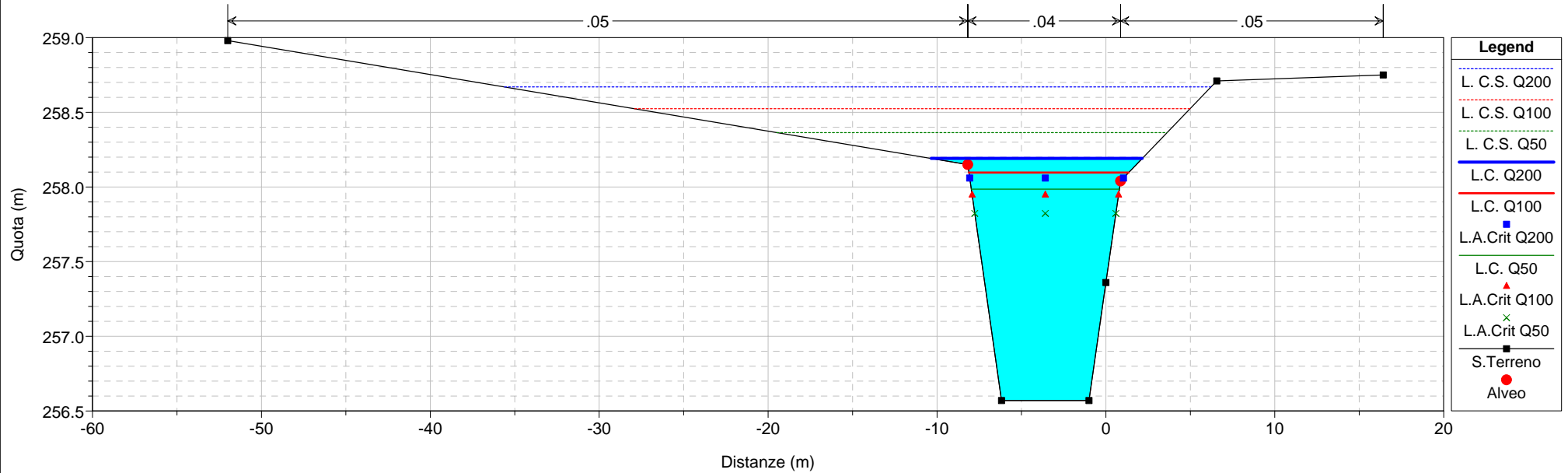
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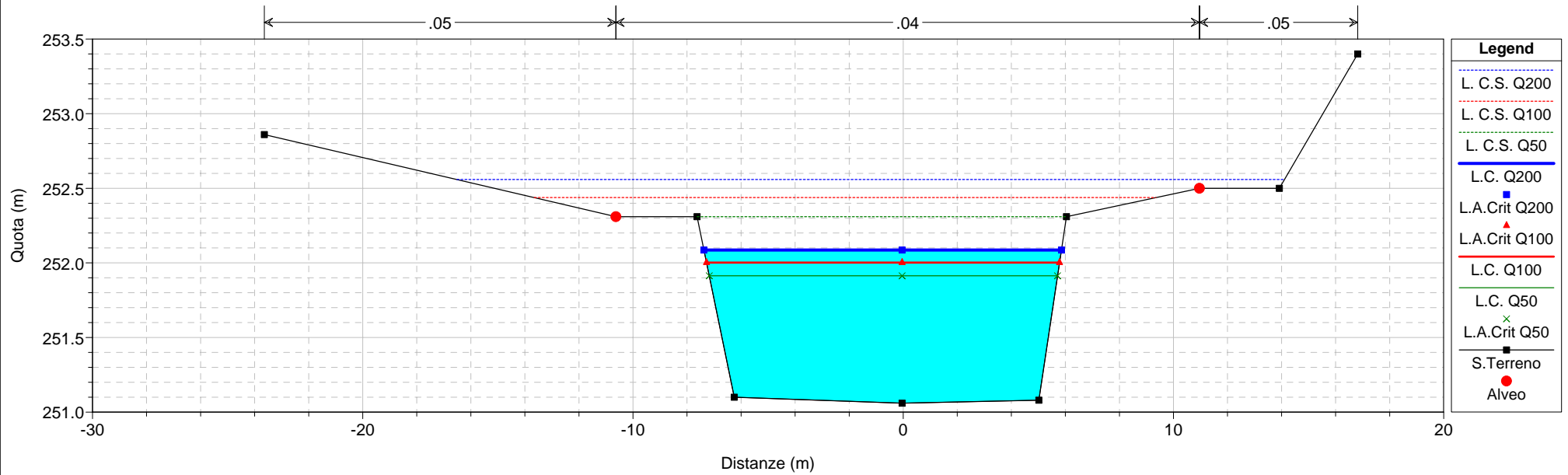
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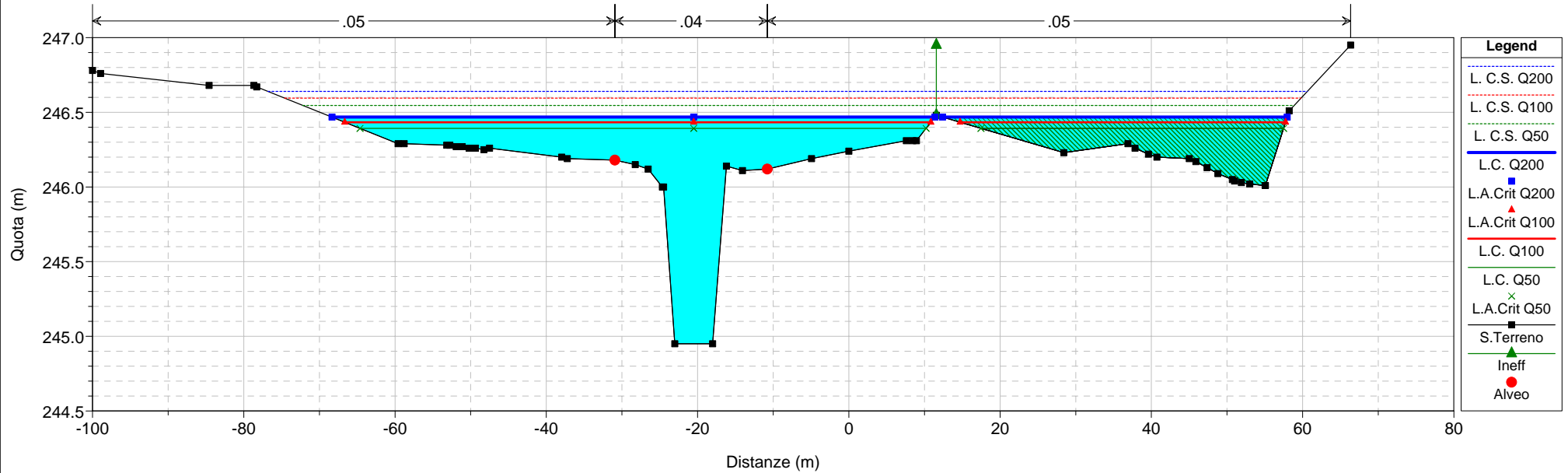
Cava del Bosco\_Stato di fatto  
S.33



Cava del Bosco\_Stato di fatto  
S.34

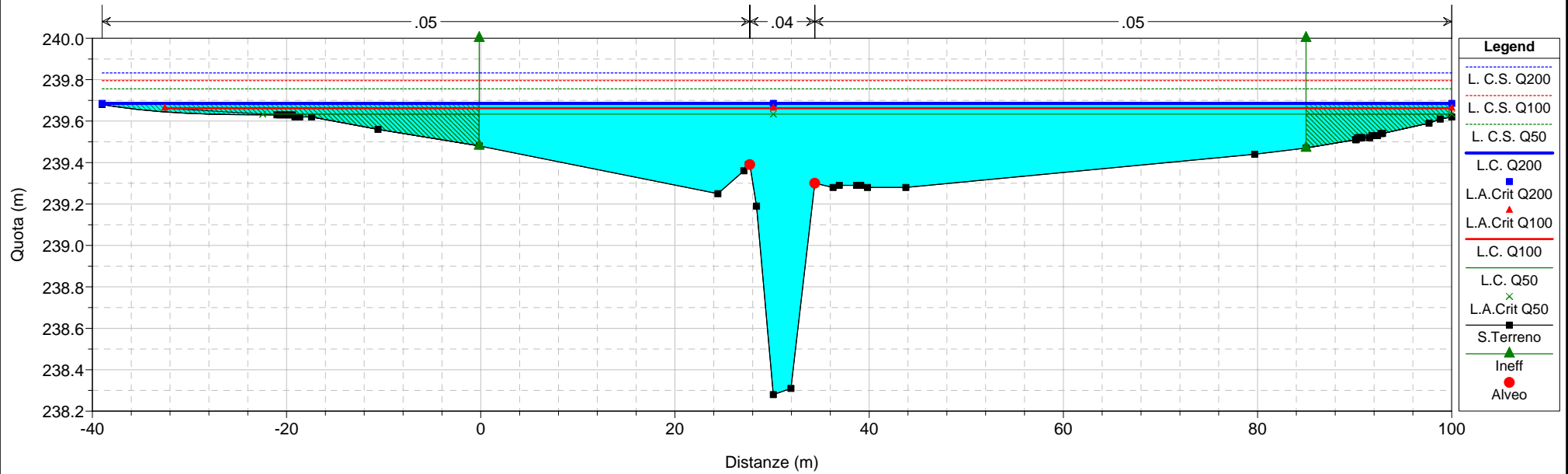


Cava del Bosco\_Stato di fatto  
S.35



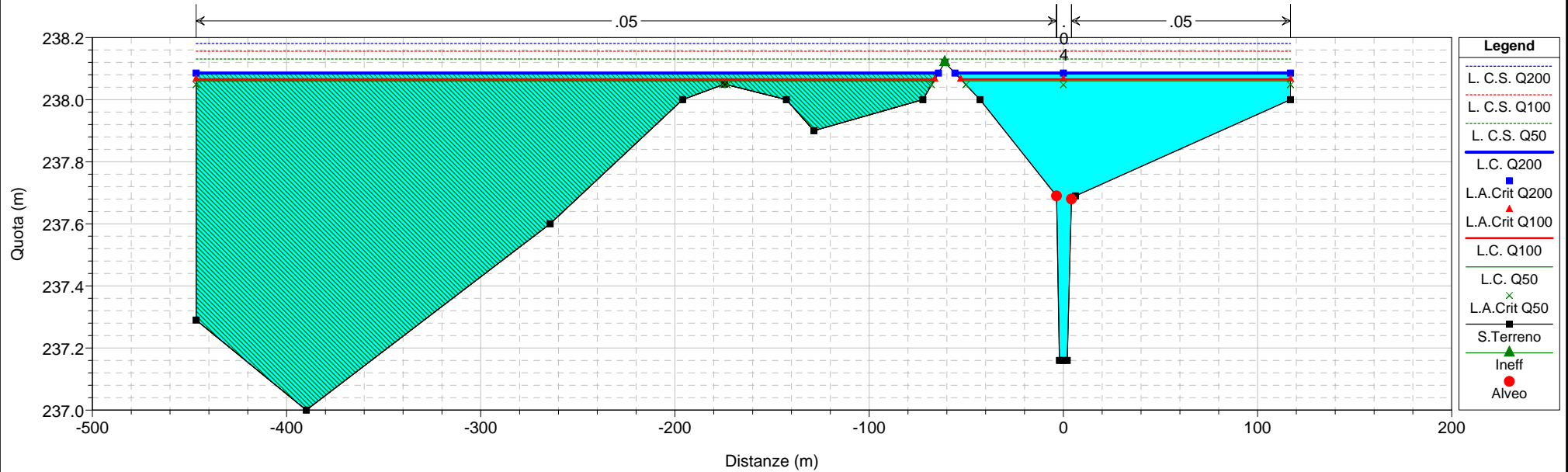
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S.36

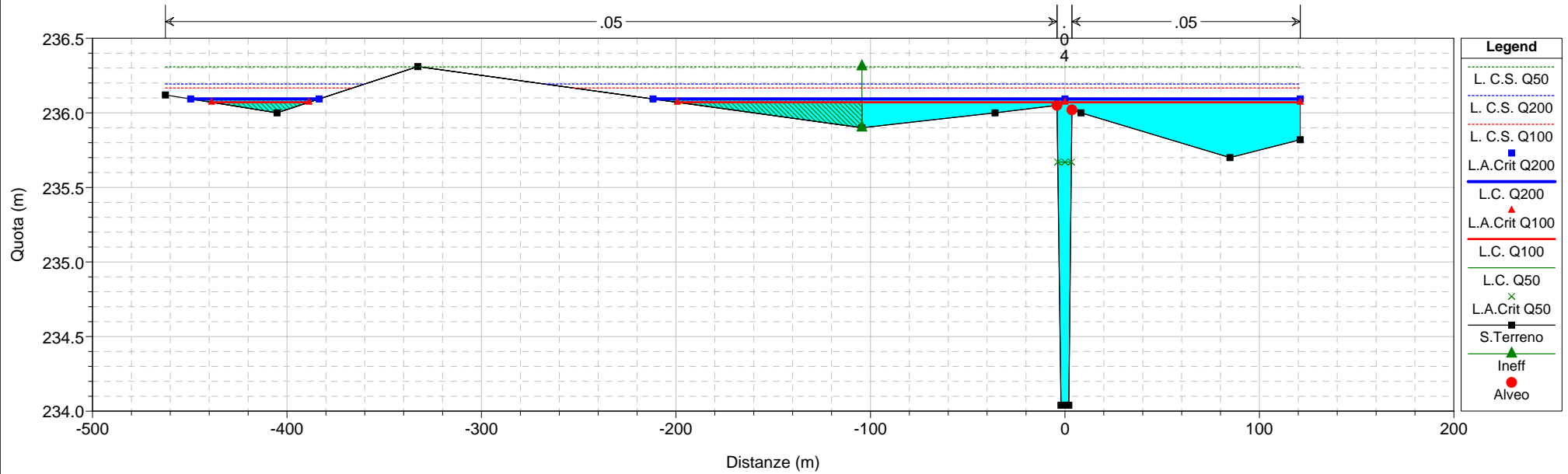


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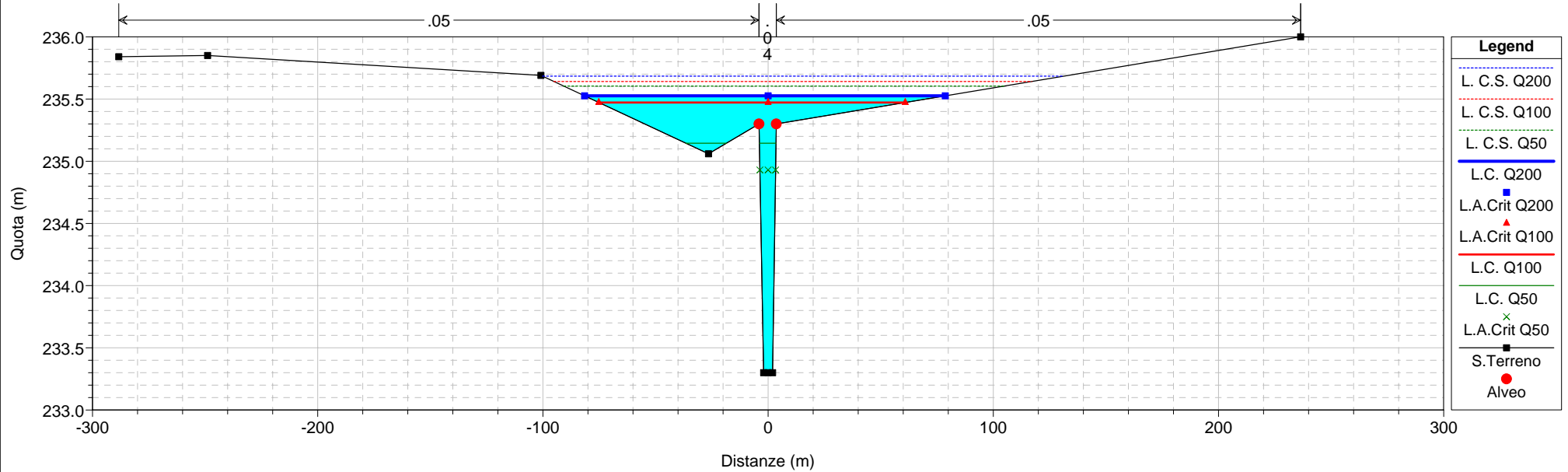
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Cava del Bosco\_Stato di fatto  
S.38

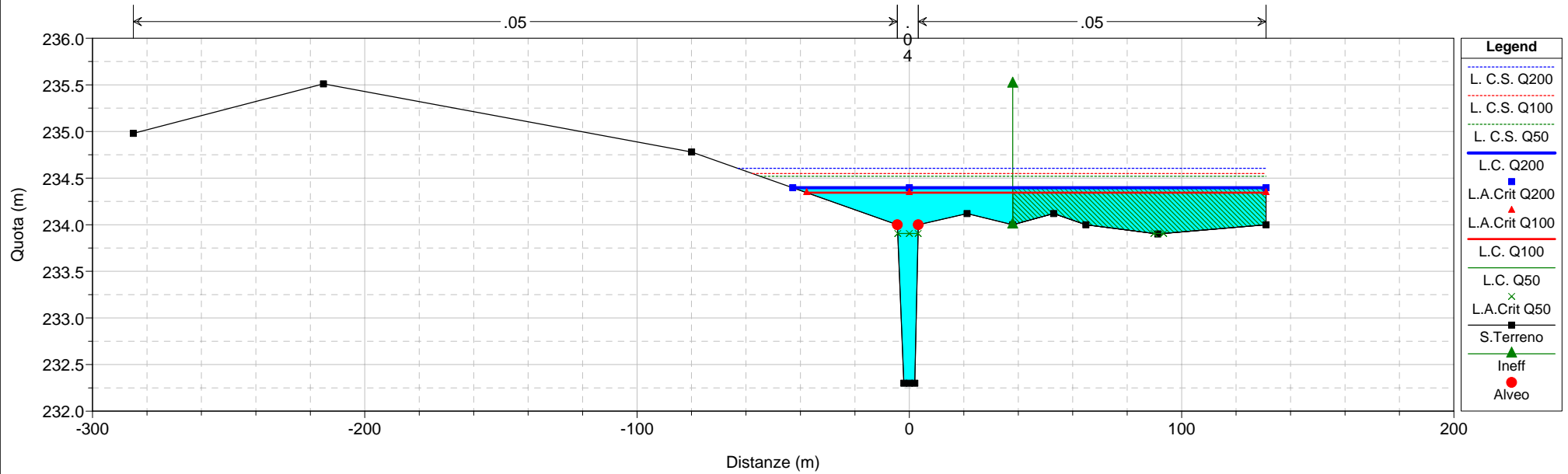


Cava del Bosco\_Stato di fatto  
S. 39



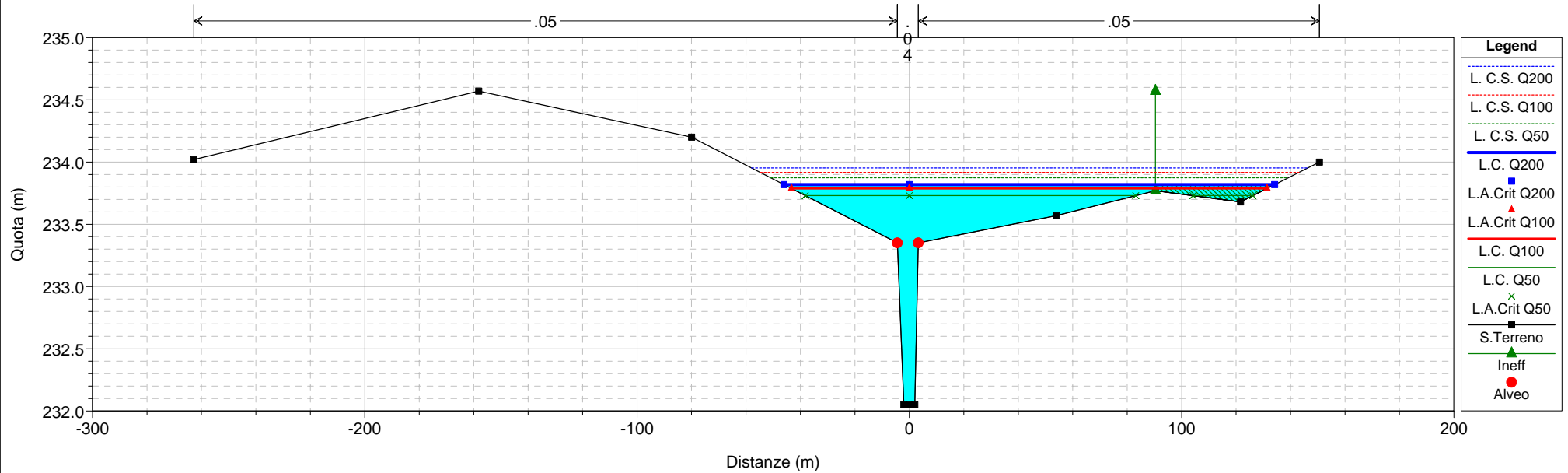
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S. 40

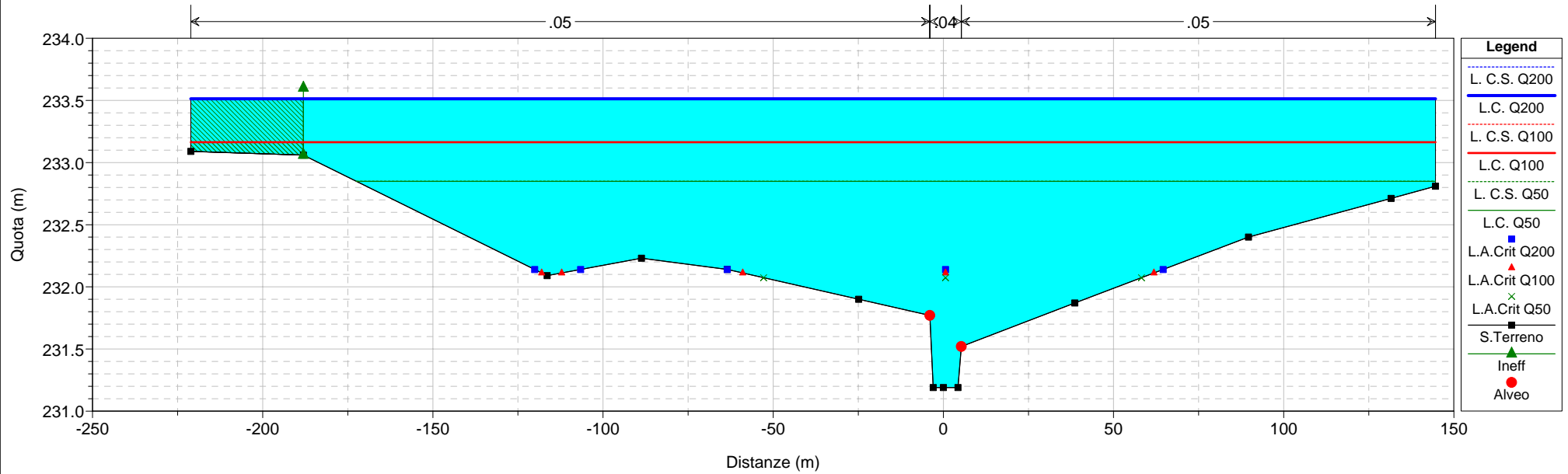


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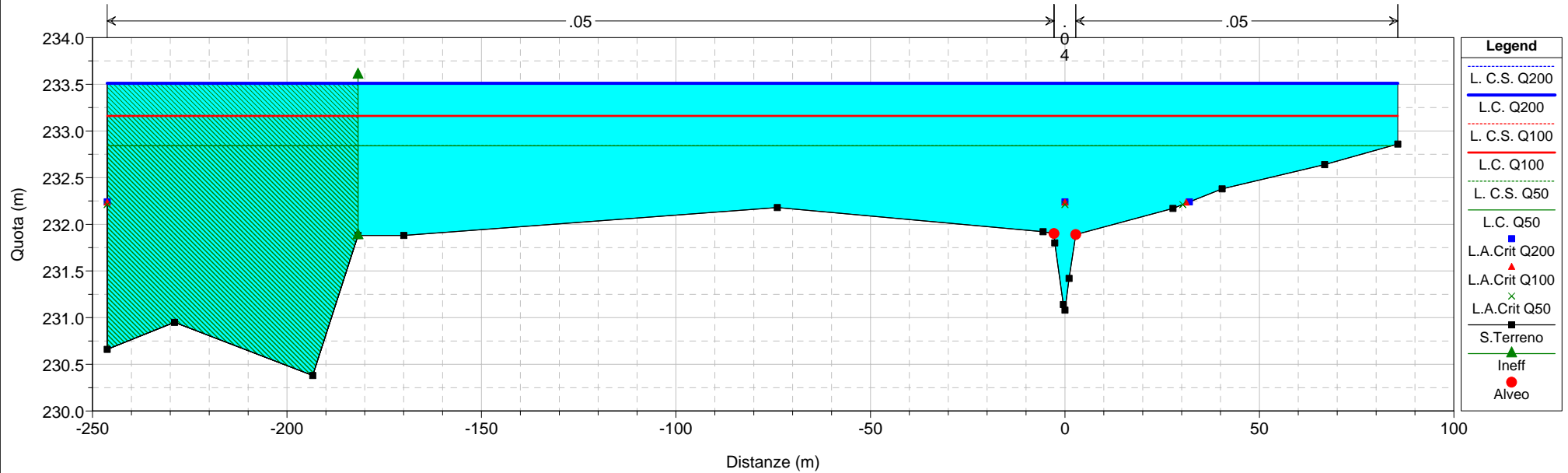
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Cava del Bosco\_Stato di fatto  
S. 42

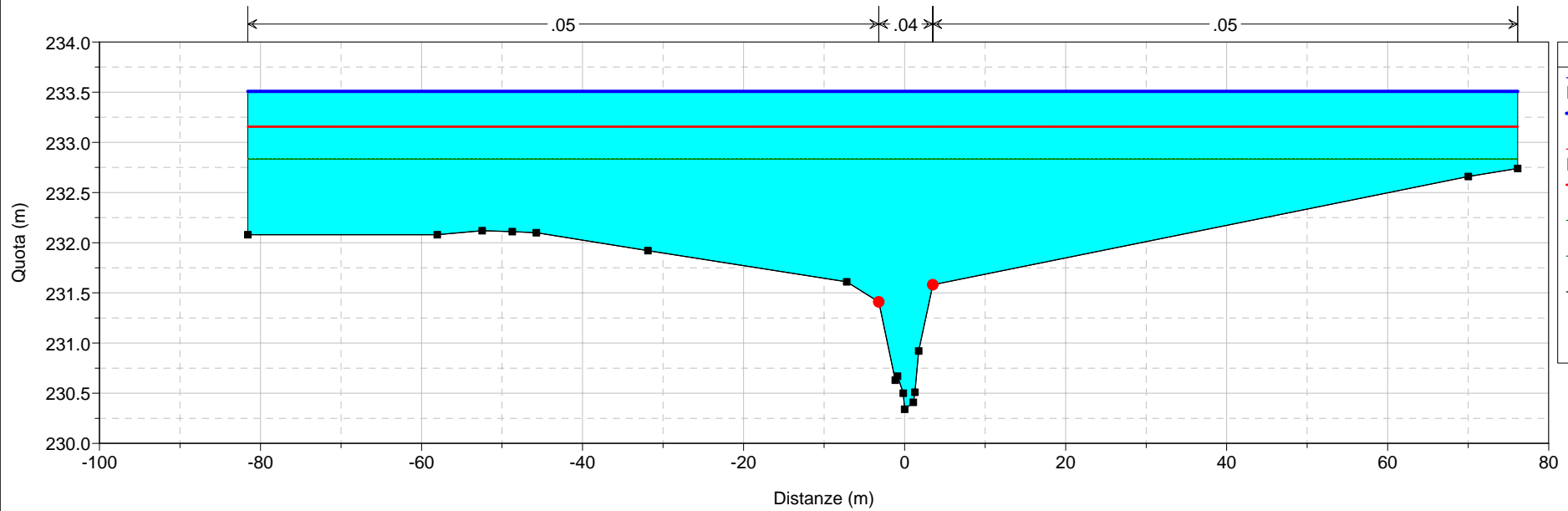


Cava del Bosco\_Stato di fatto  
S. 43



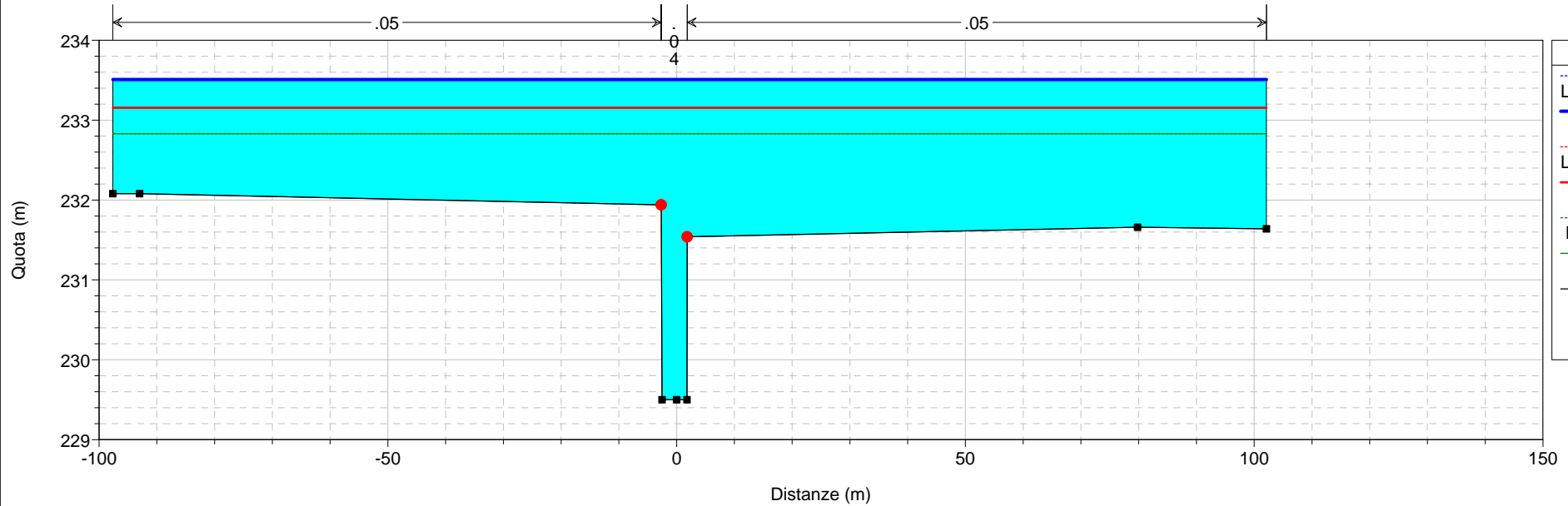
# Cava del Bosco\_Stato di fatto

S. 44



# Cava del Bosco\_Stato di fatto

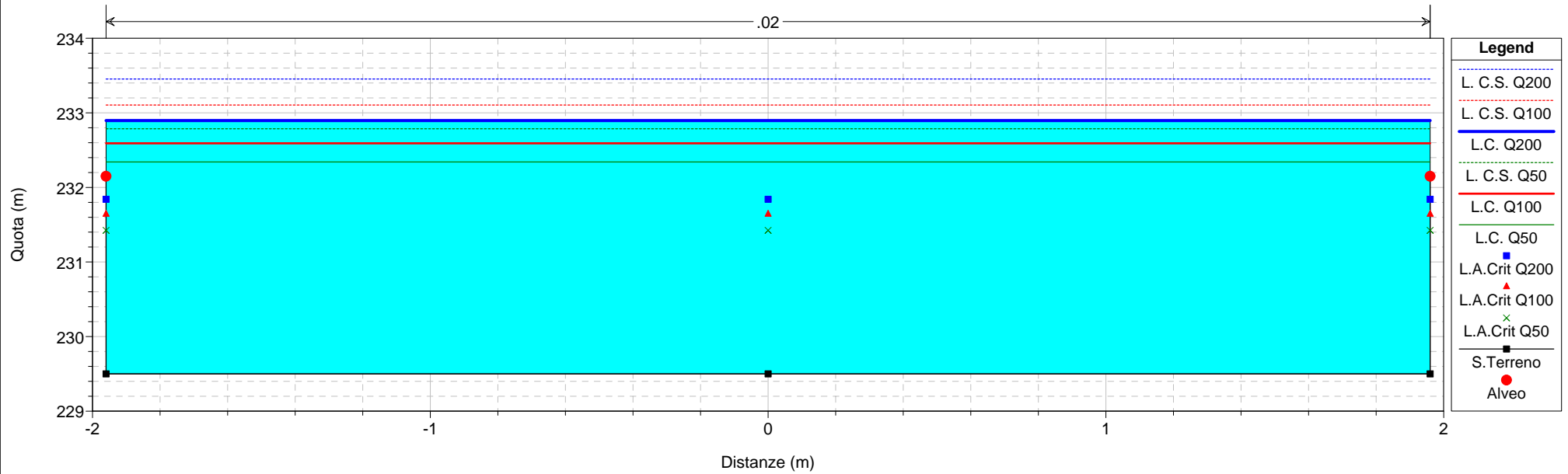
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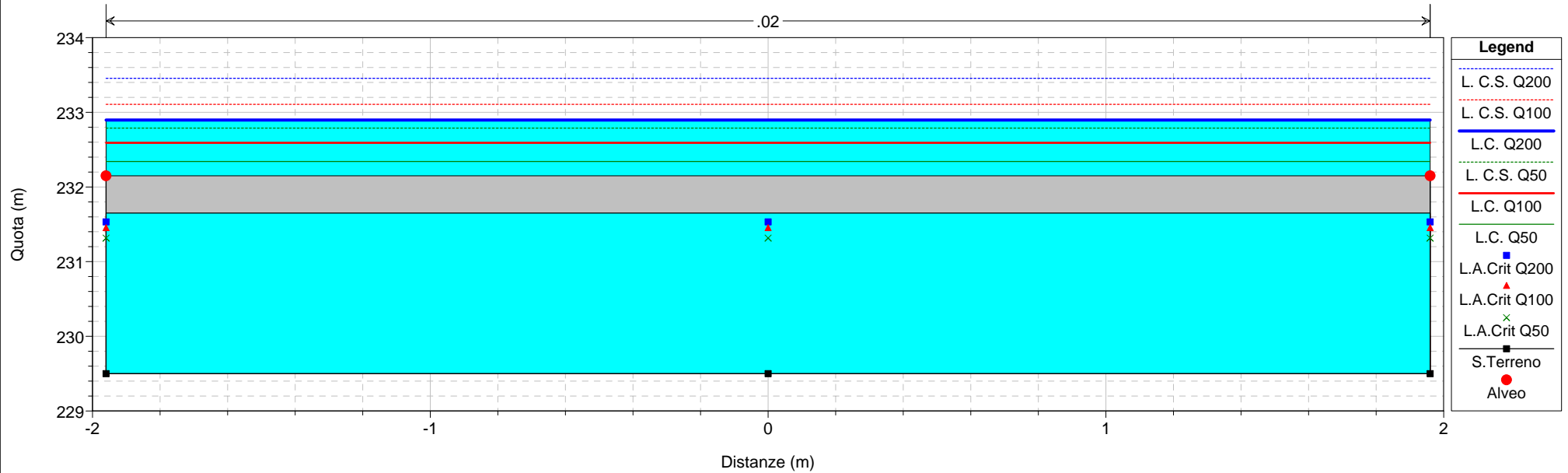
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S.46

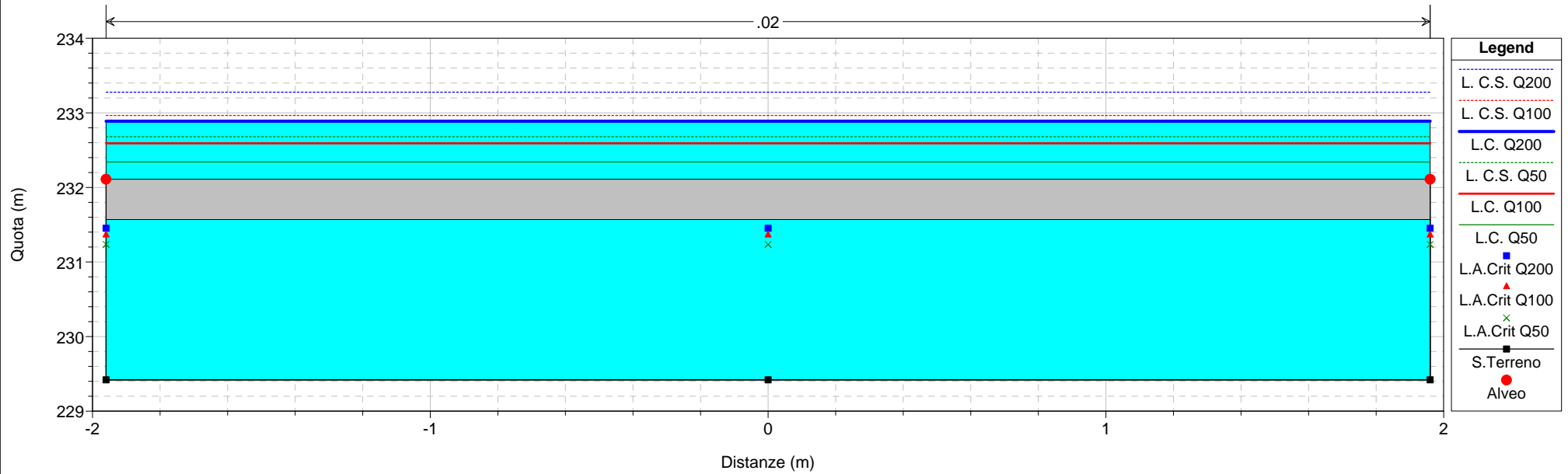


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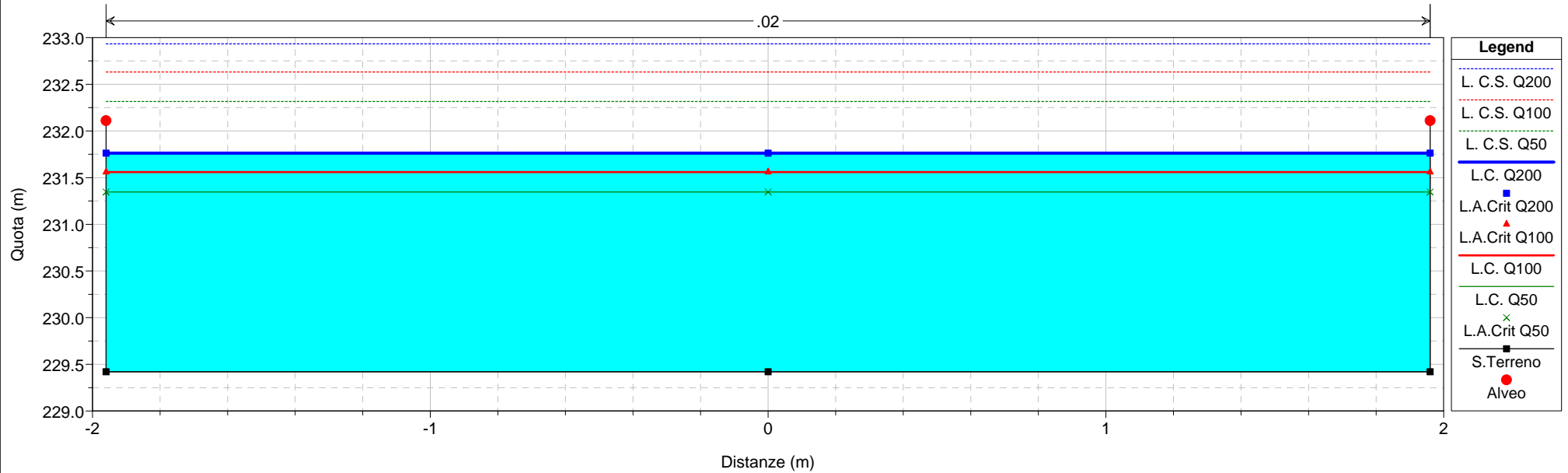
SCATOLARE



# Cava del Bosco\_Stato di fatto SCATOLARE

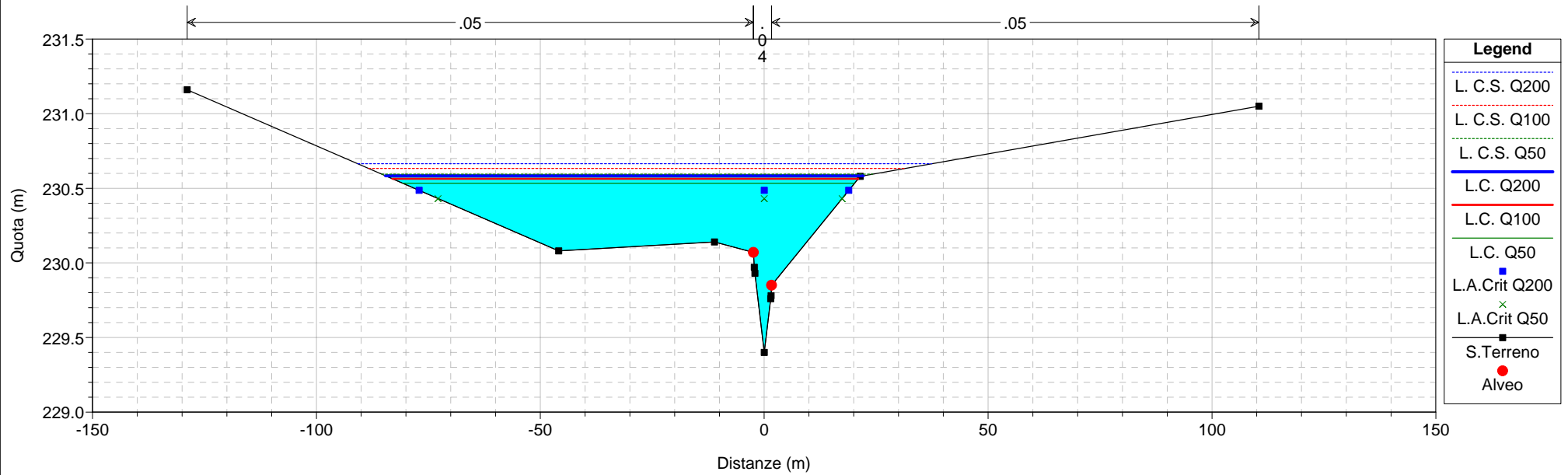


# Cava del Bosco\_Stato di fatto S. 47



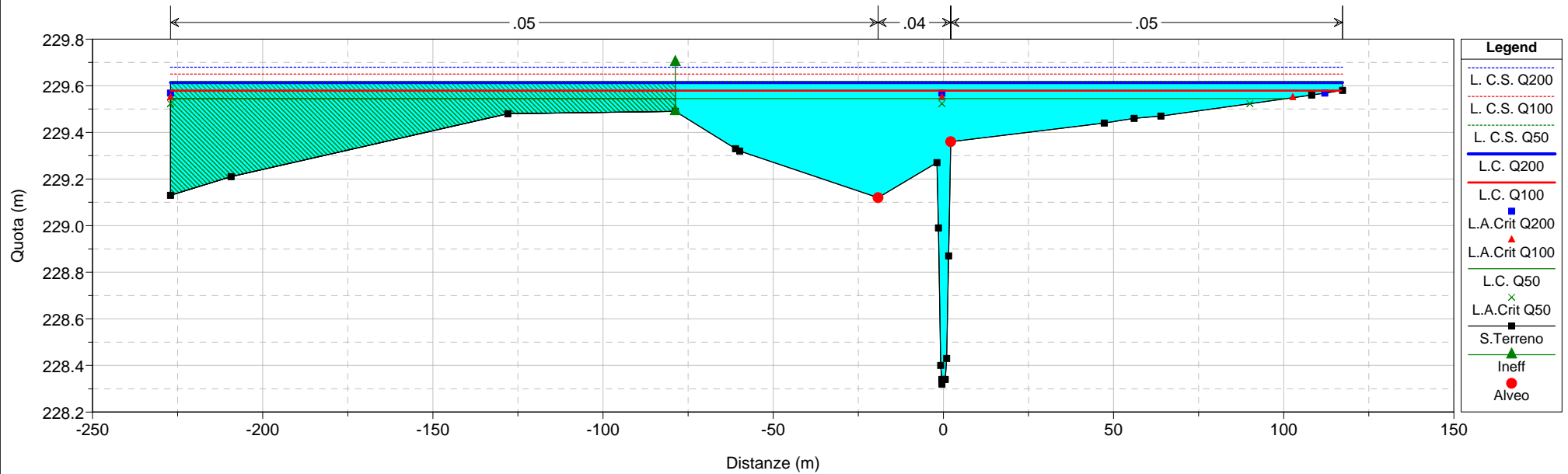
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S. 48

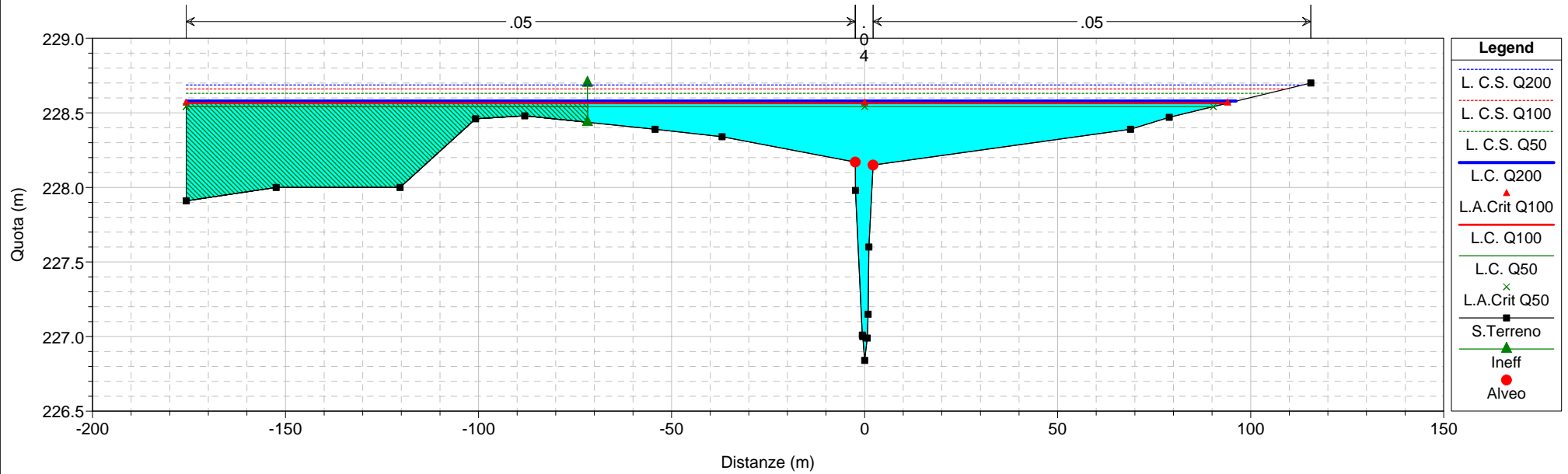


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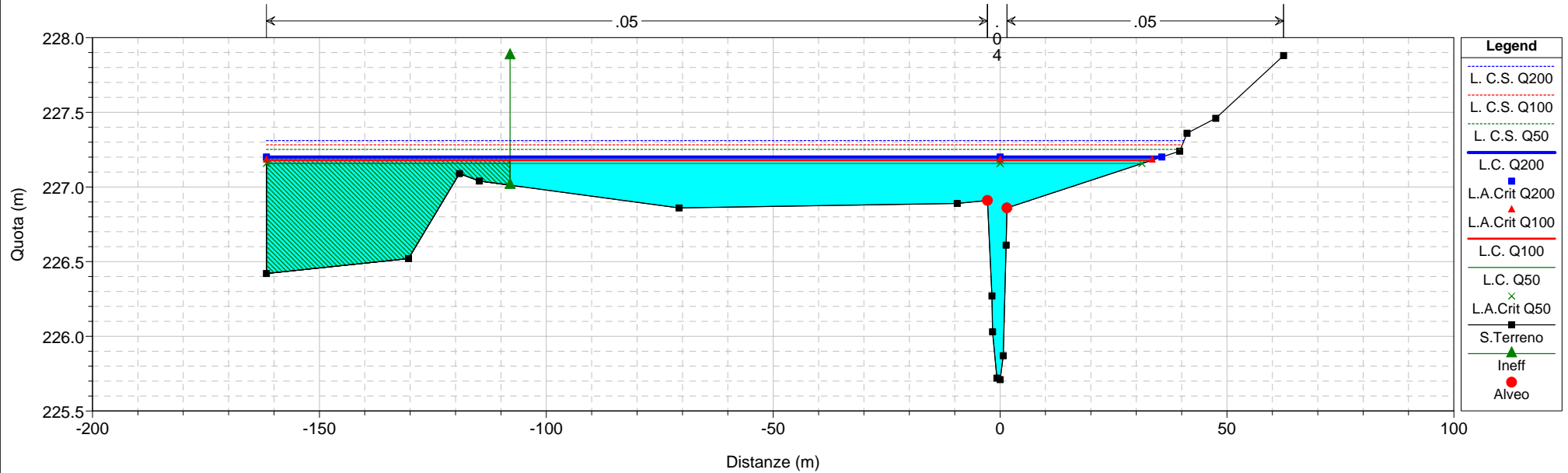
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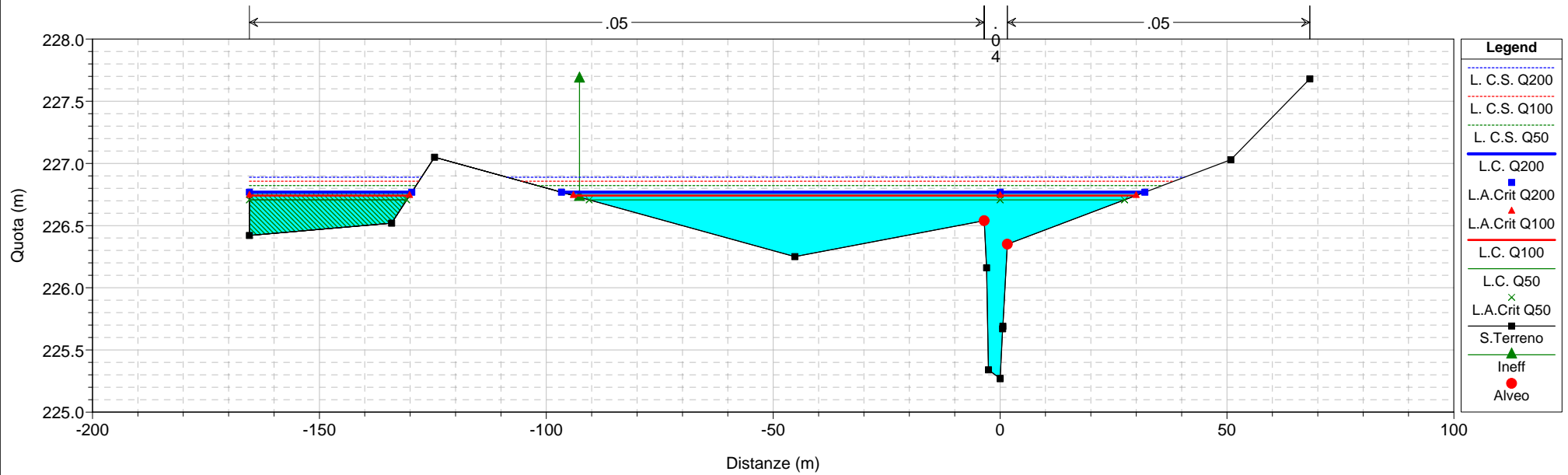
Cava del Bosco\_Stato di fatto  
S. 52



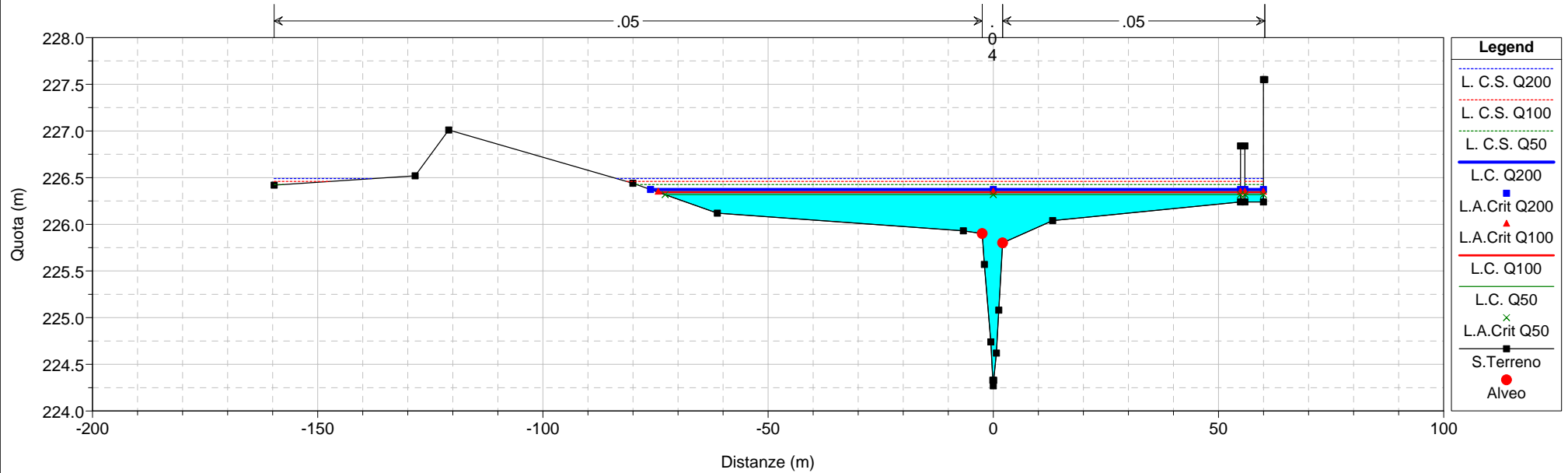
Cava del Bosco\_Stato di fatto  
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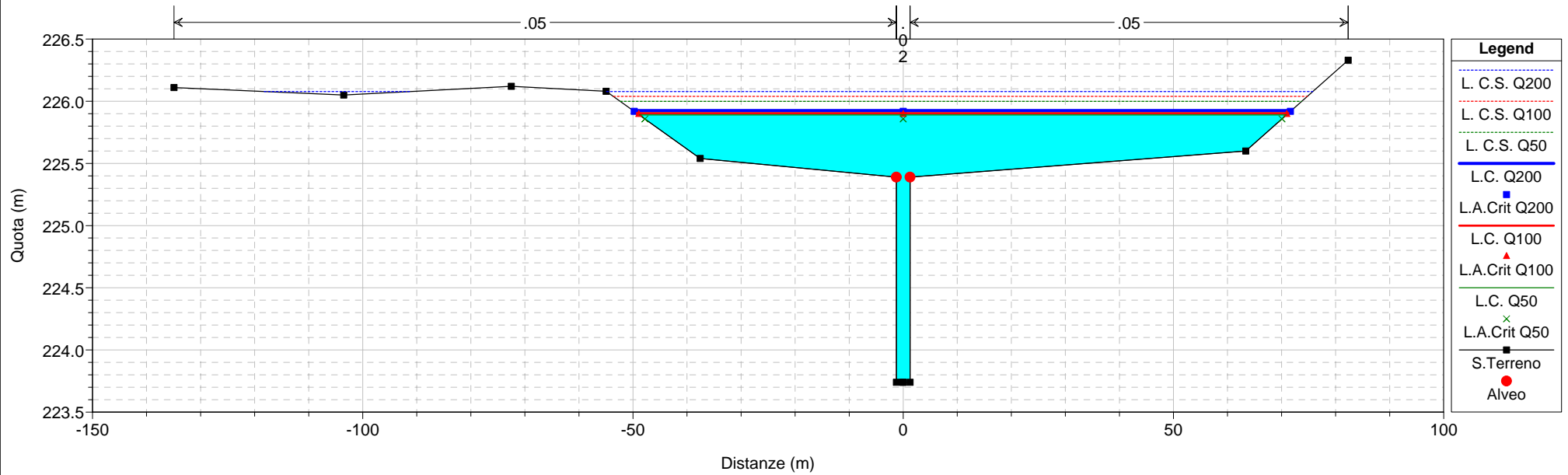
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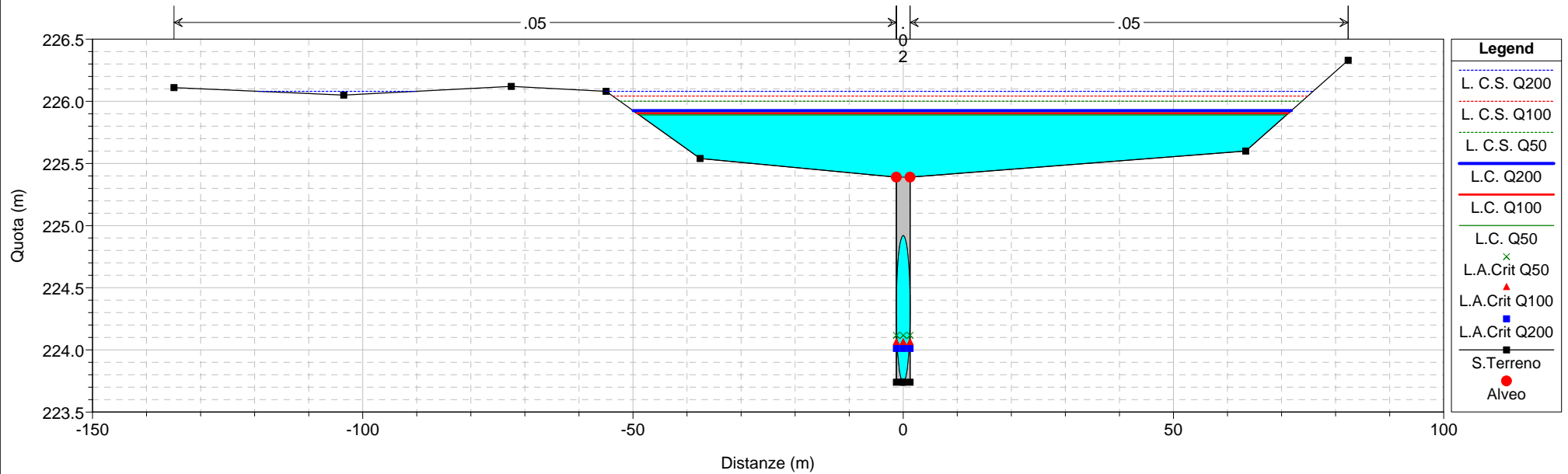
Cava del Bosco\_Stato di fatto  
S. 55



Cava del Bosco\_Stato di fatto  
S. 56

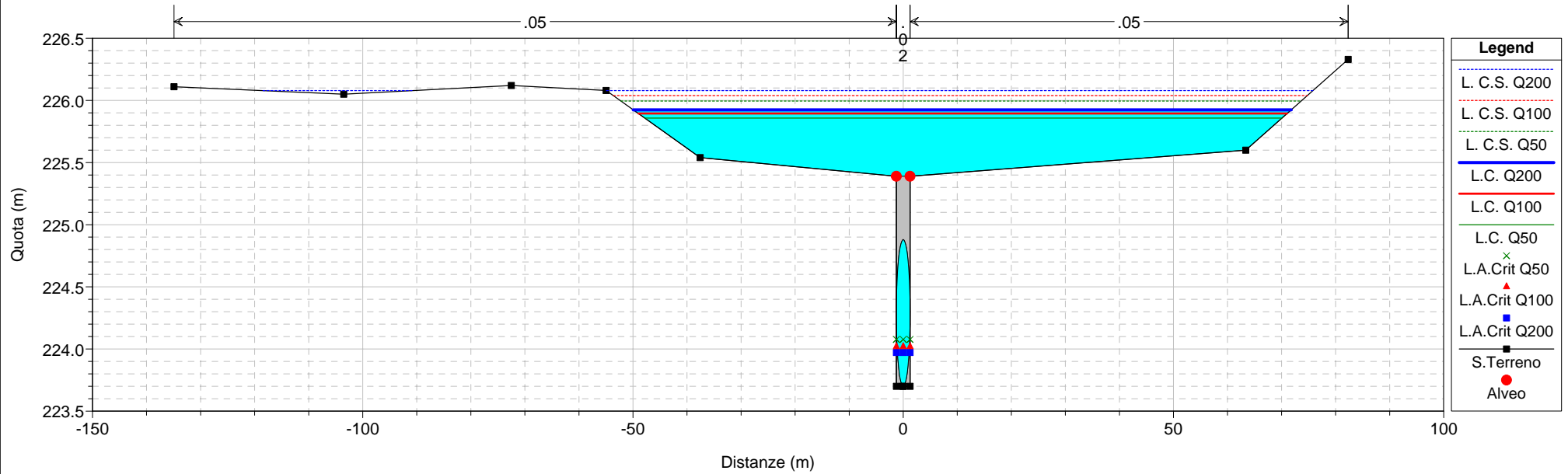


Cava del Bosco\_Stato di fatto  
Armco ovoidale



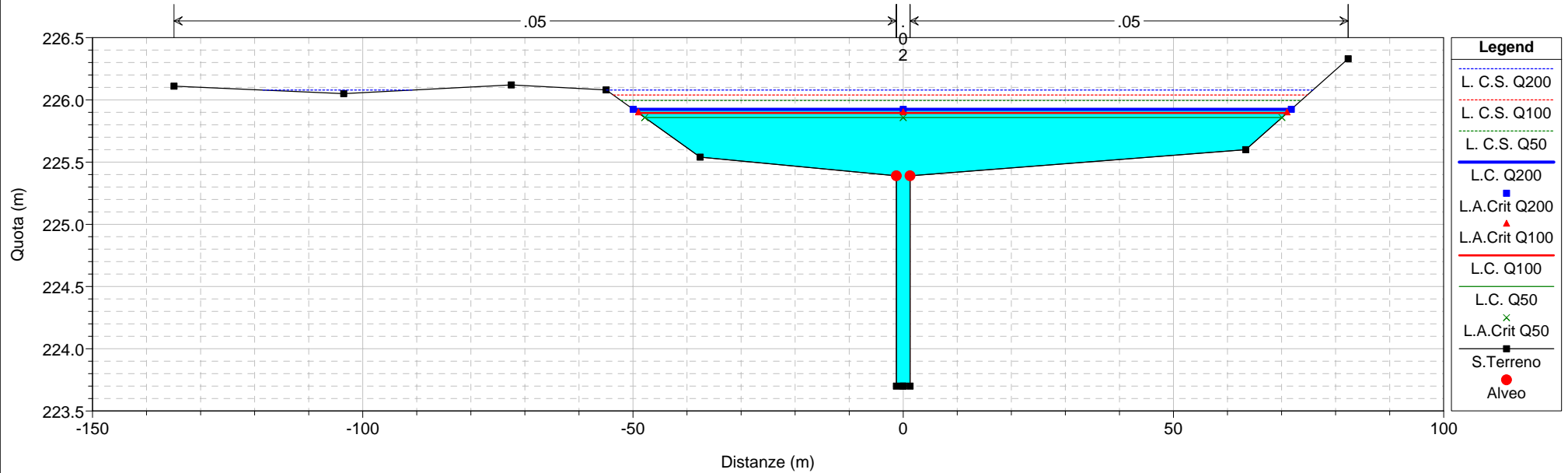
# Cava del Bosco\_Stato di fatto

Armco ovoidale

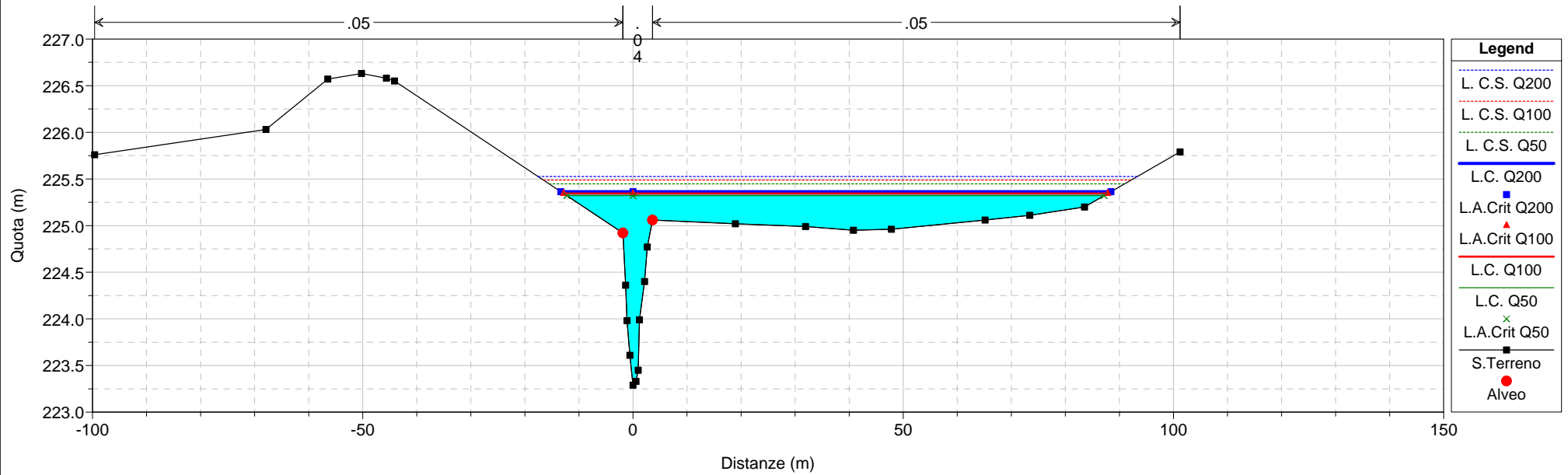


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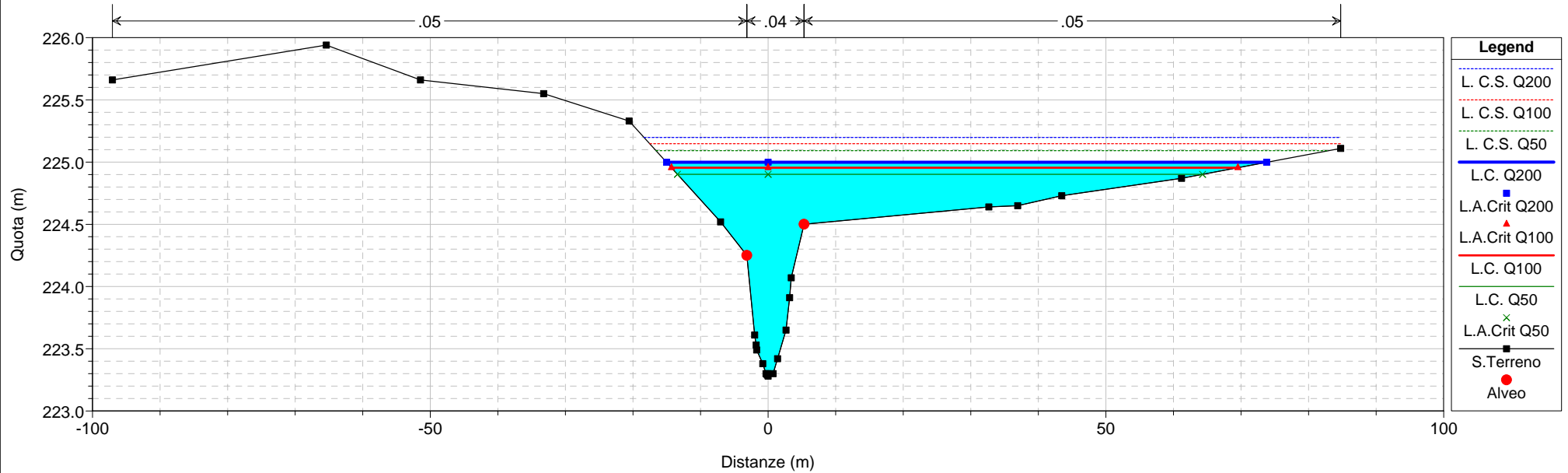
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Cava del Bosco\_Stato di fatto  
S. 58



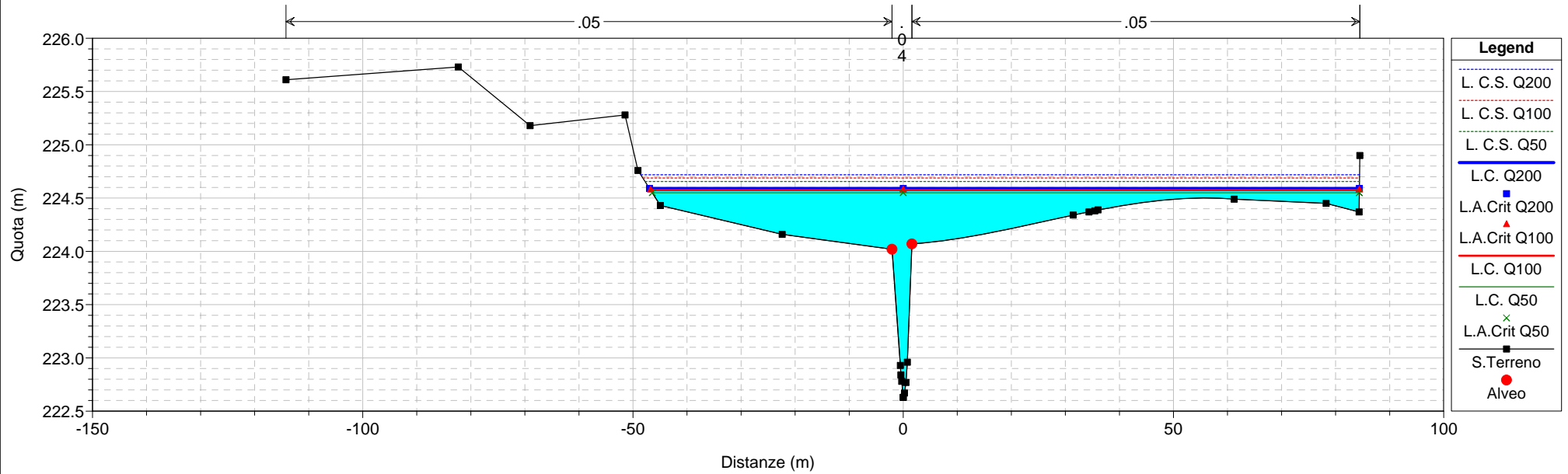
Cava del Bosco\_Stato di fatto  
S. 59





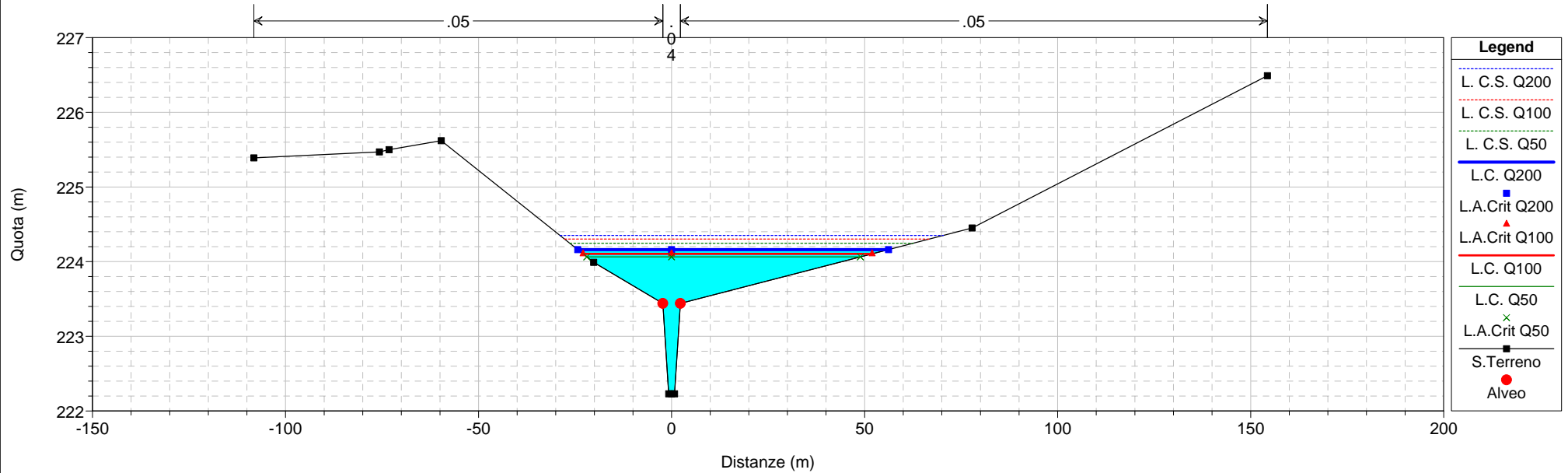
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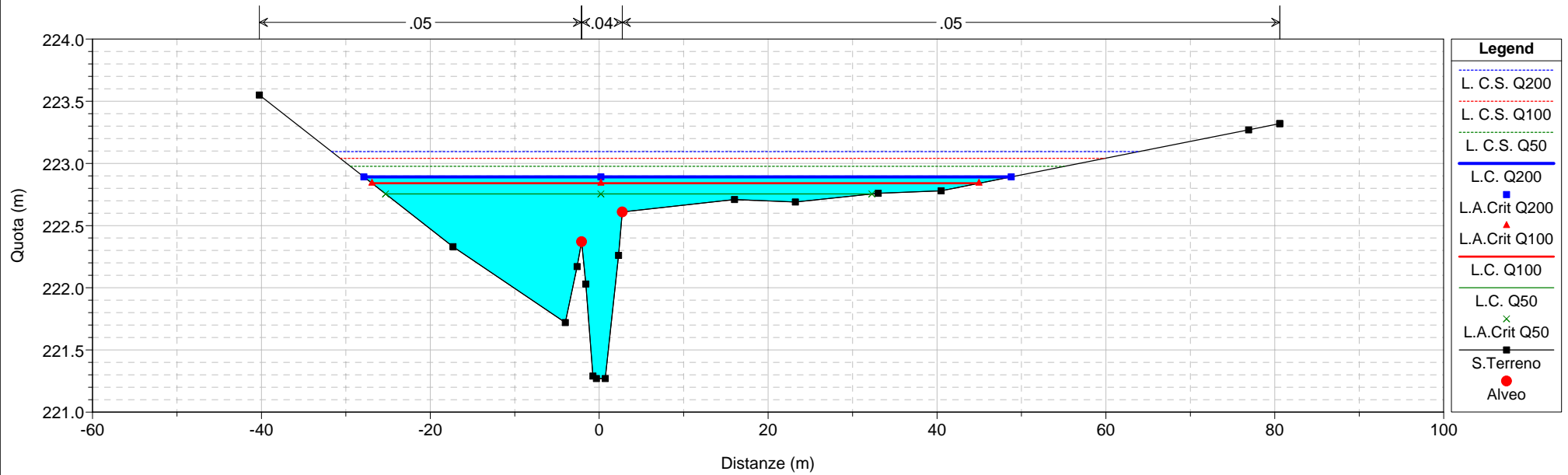


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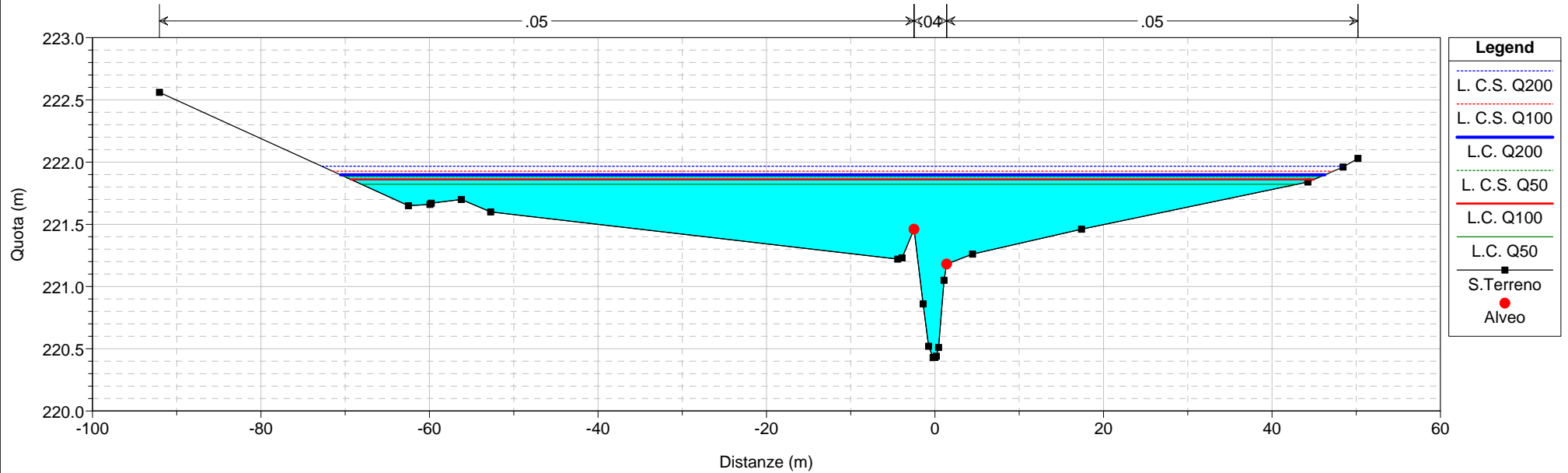
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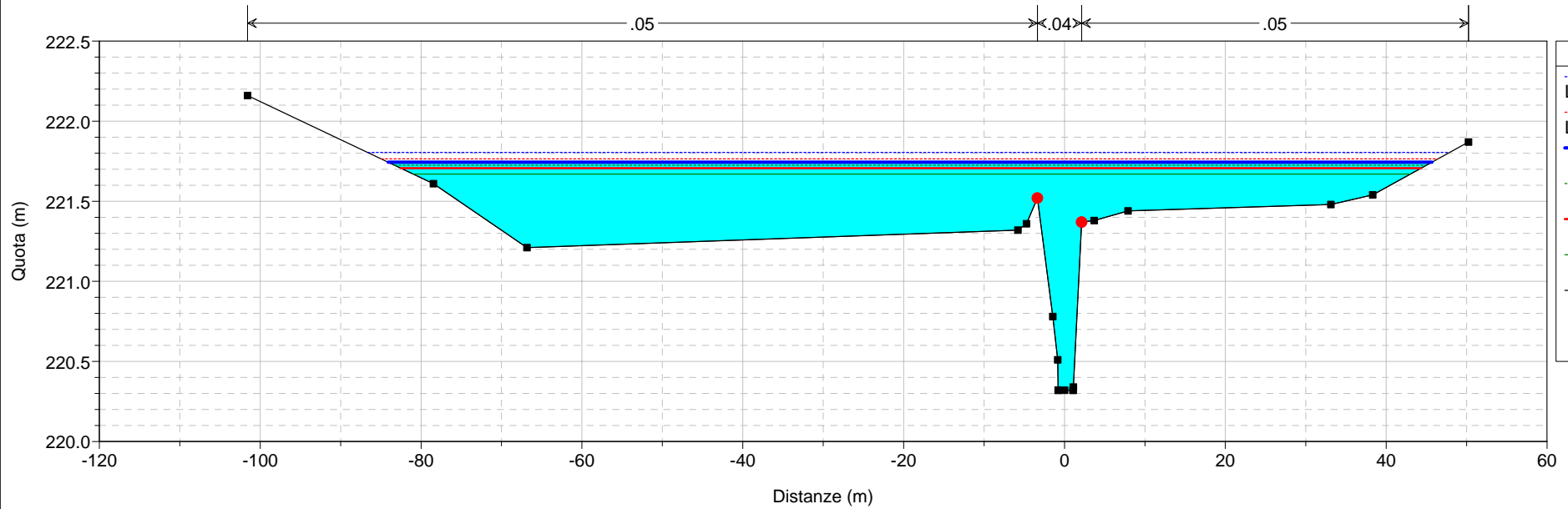
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S. 65



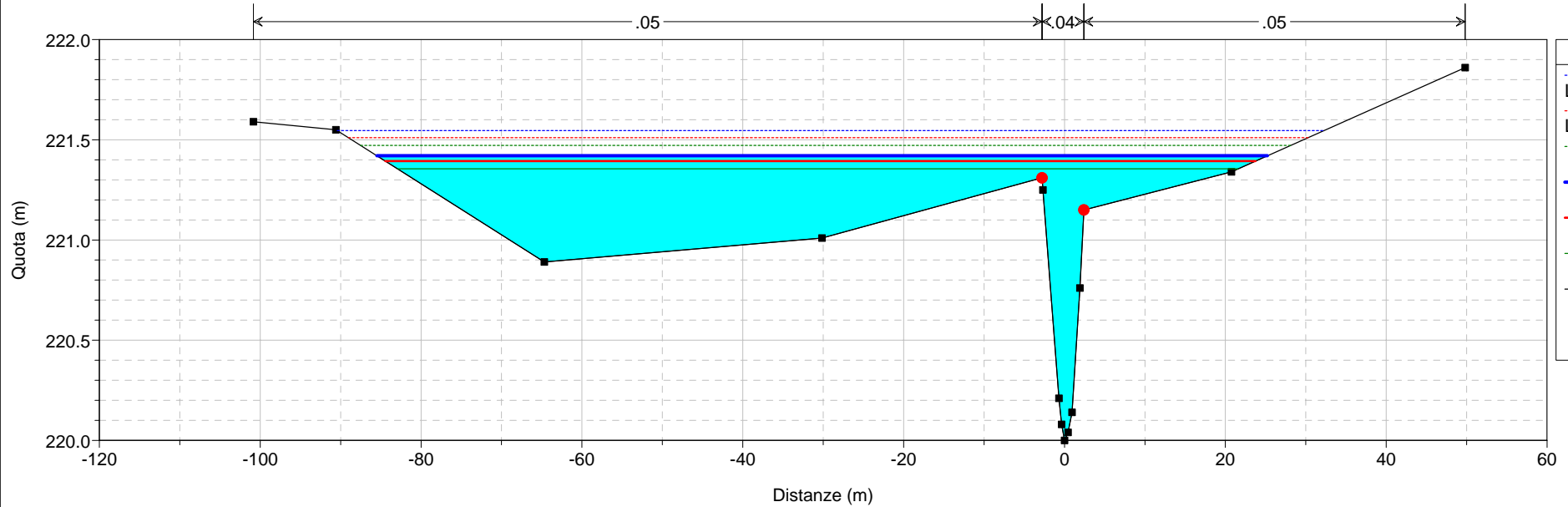
Cava del Bosco\_Stato di fatto  
S. 68



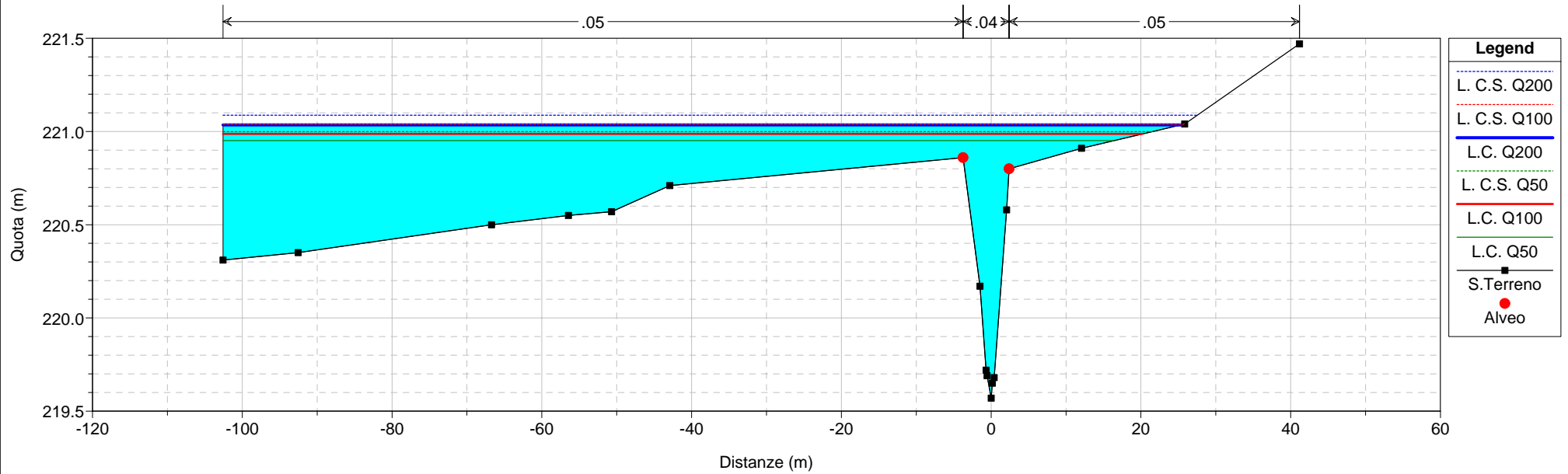
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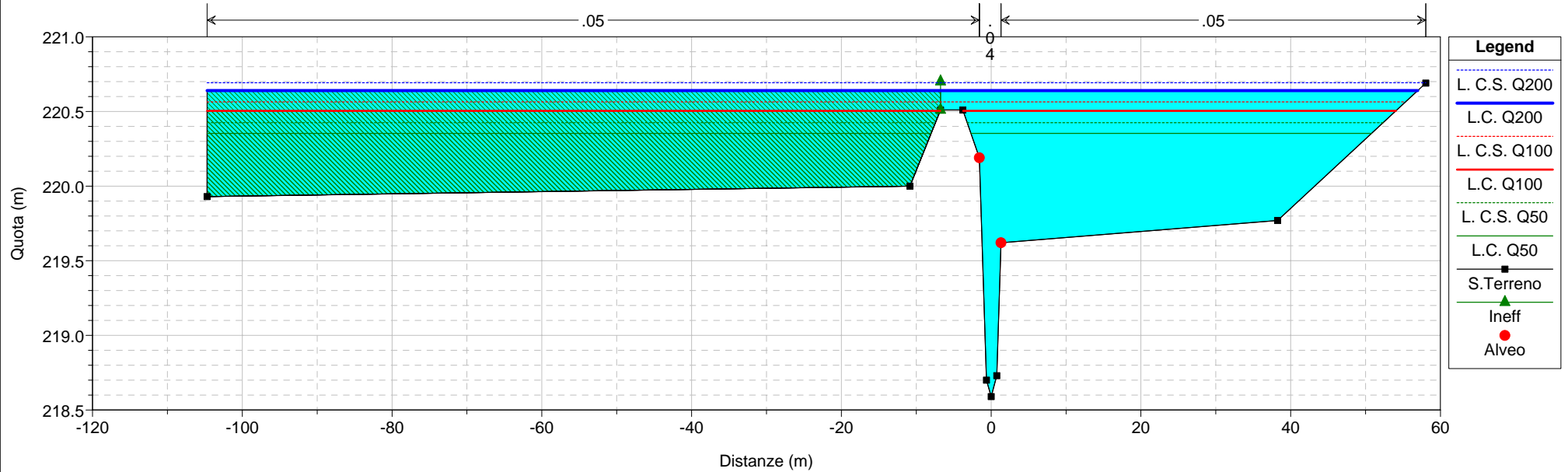
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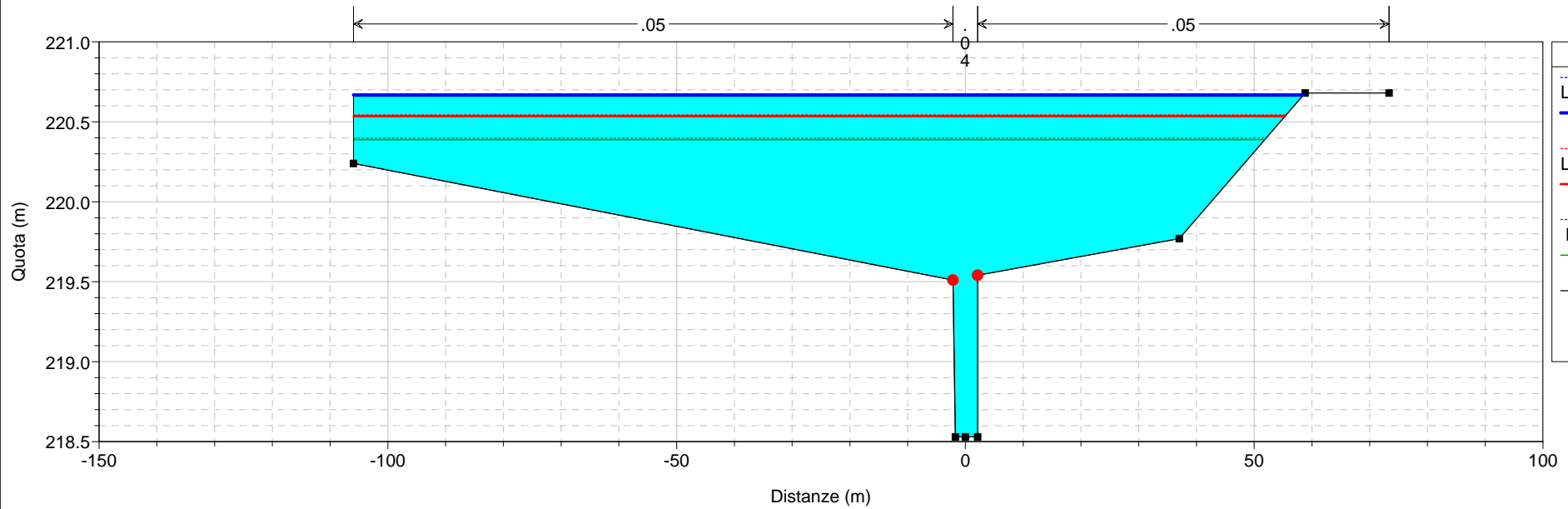
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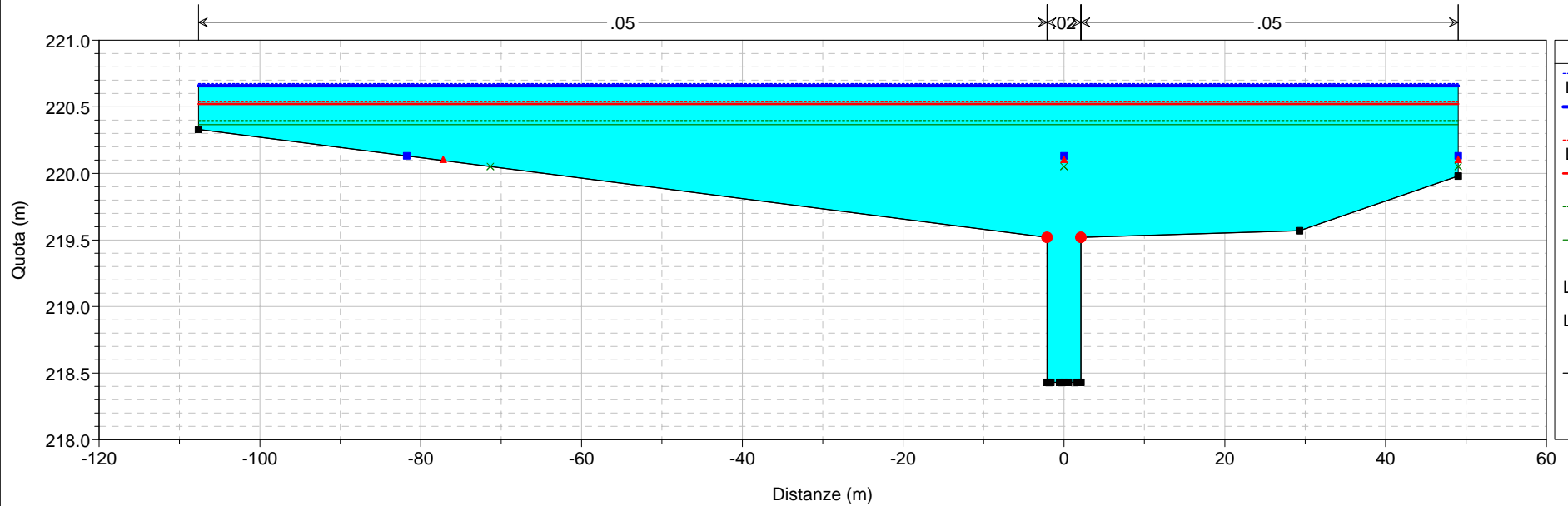
Cava del Bosco\_Stato di fatto  
S. 72



Cava del Bosco\_Stato di fatto  
S. 72a

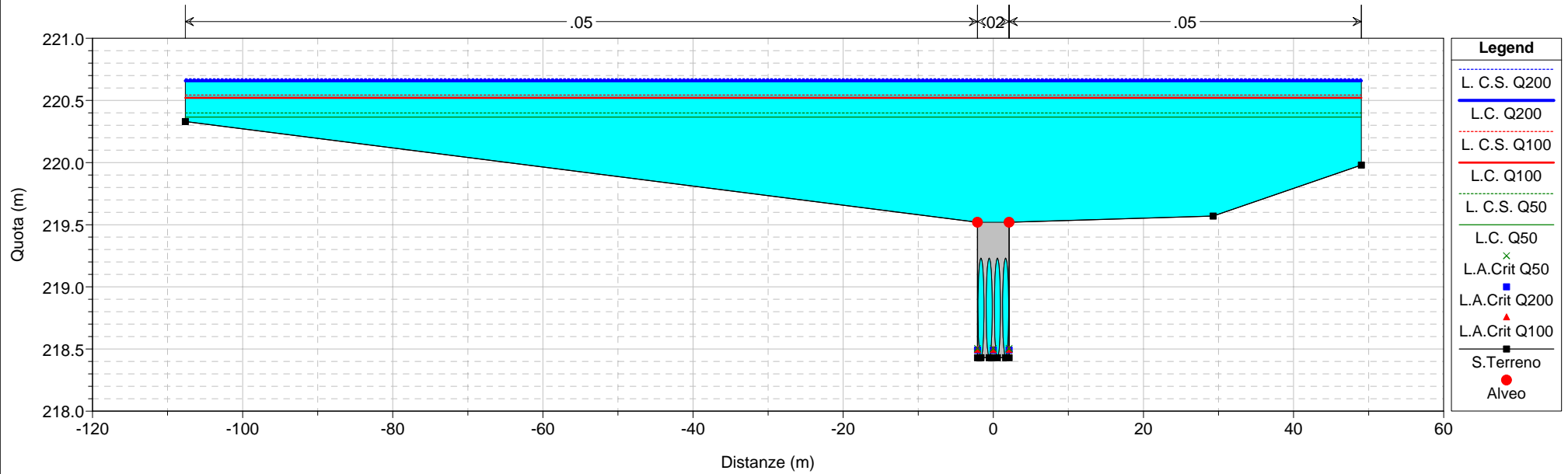


Cava del Bosco\_Stato di fatto  
S. 72b



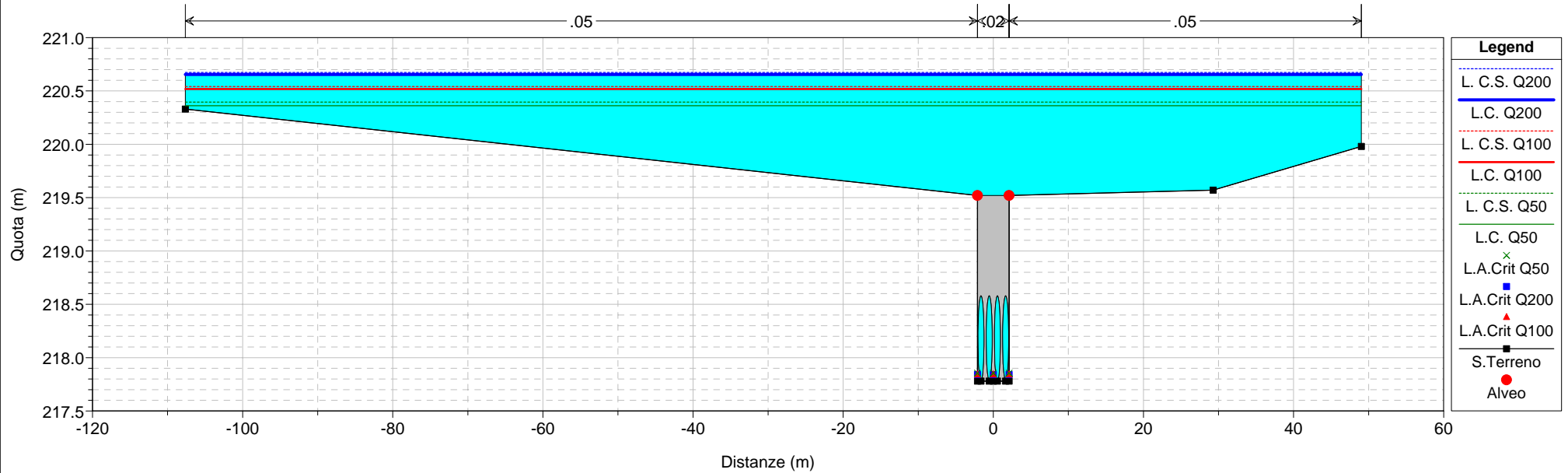
# Cava del Bosco\_Stato di fatto

Arnci circolari

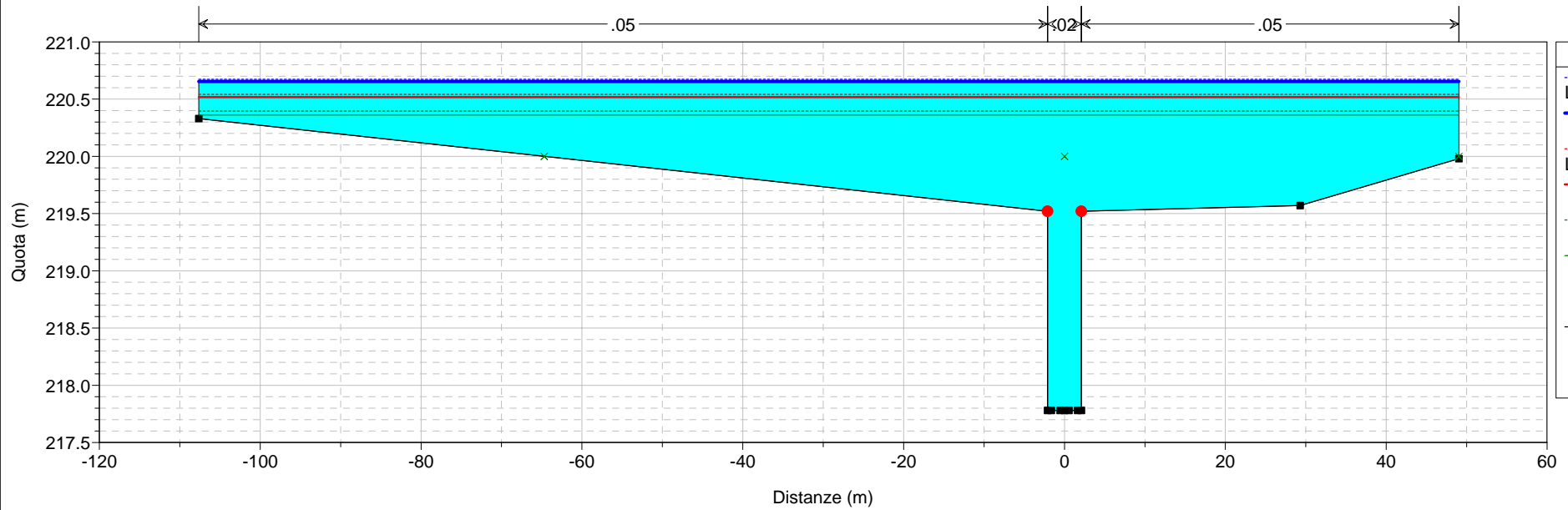


# Cava del Bosco\_Stato di fatto

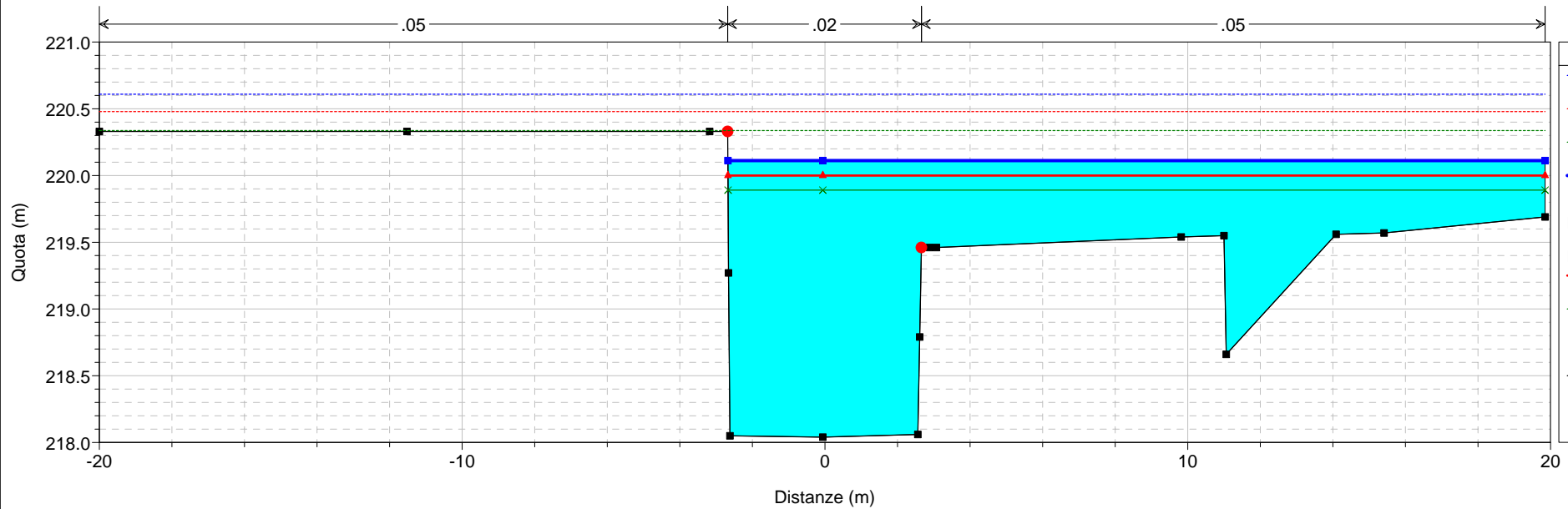
Arnci circolari



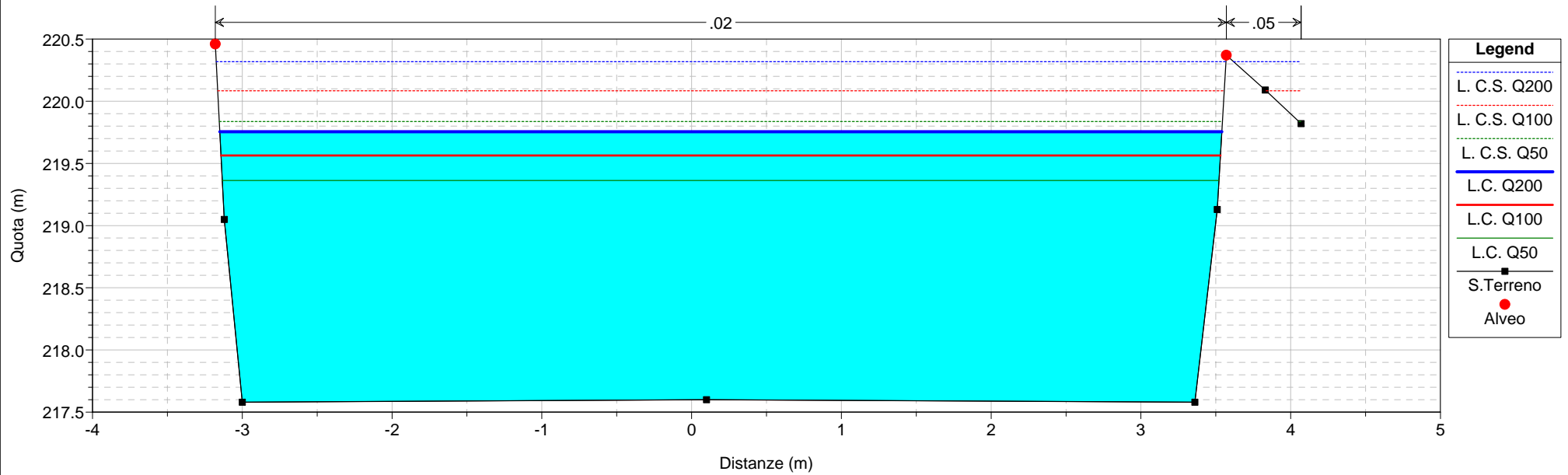
Cava del Bosco\_Stato di fatto  
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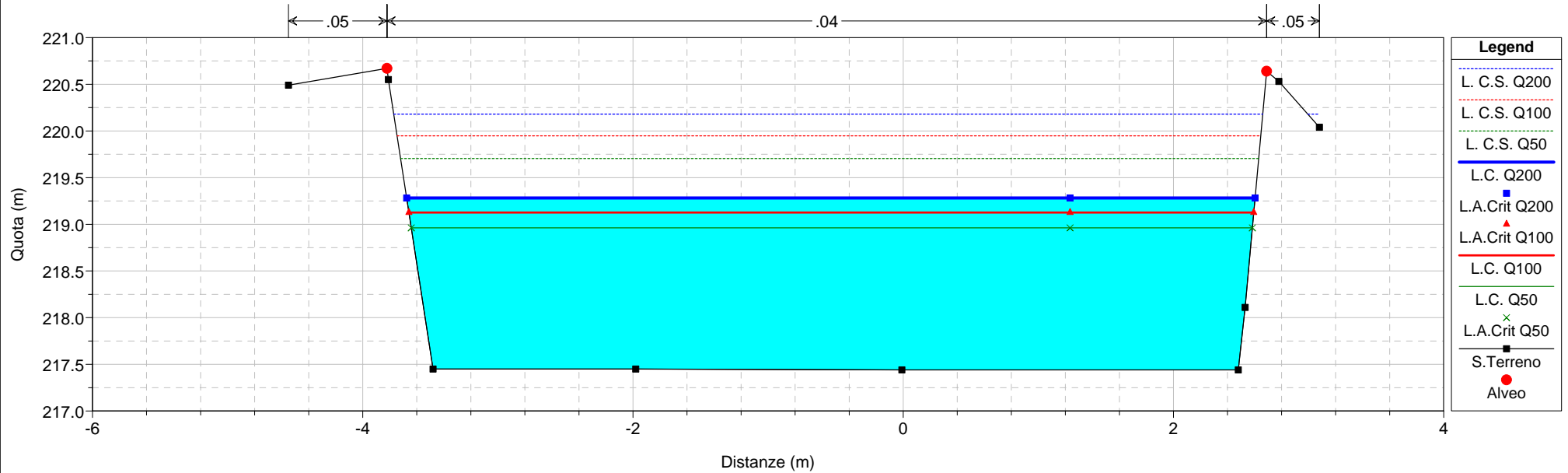
Cava del Bosco\_Stato di fatto  
S. 73



Cava del Bosco\_Stato di fatto  
S. 73a

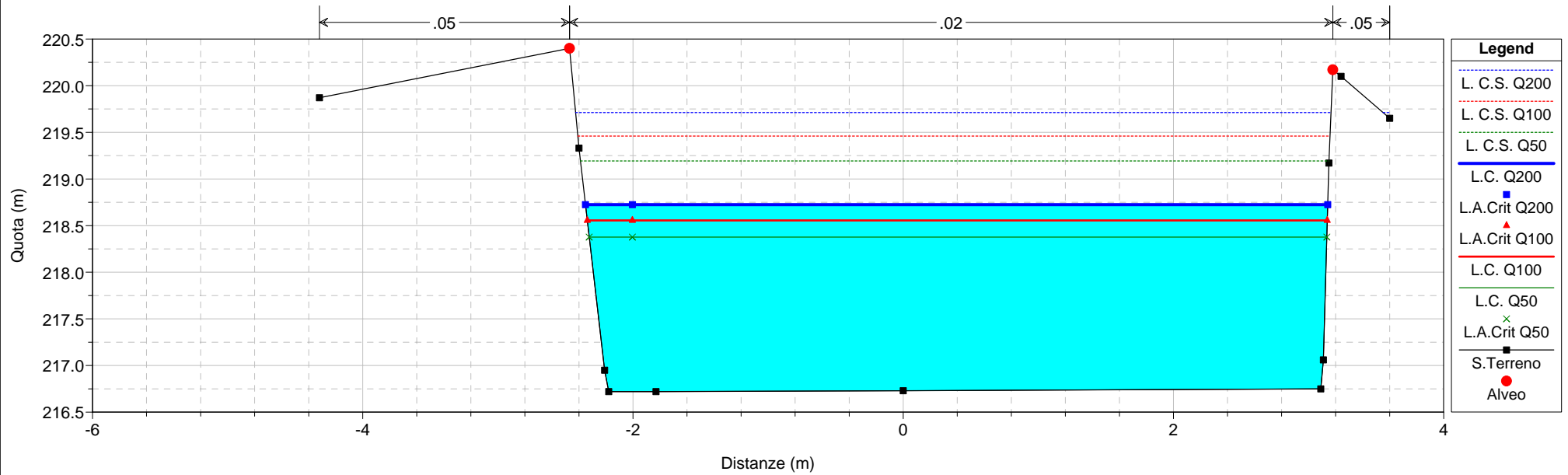


Cava del Bosco\_Stato di fatto  
S. 74

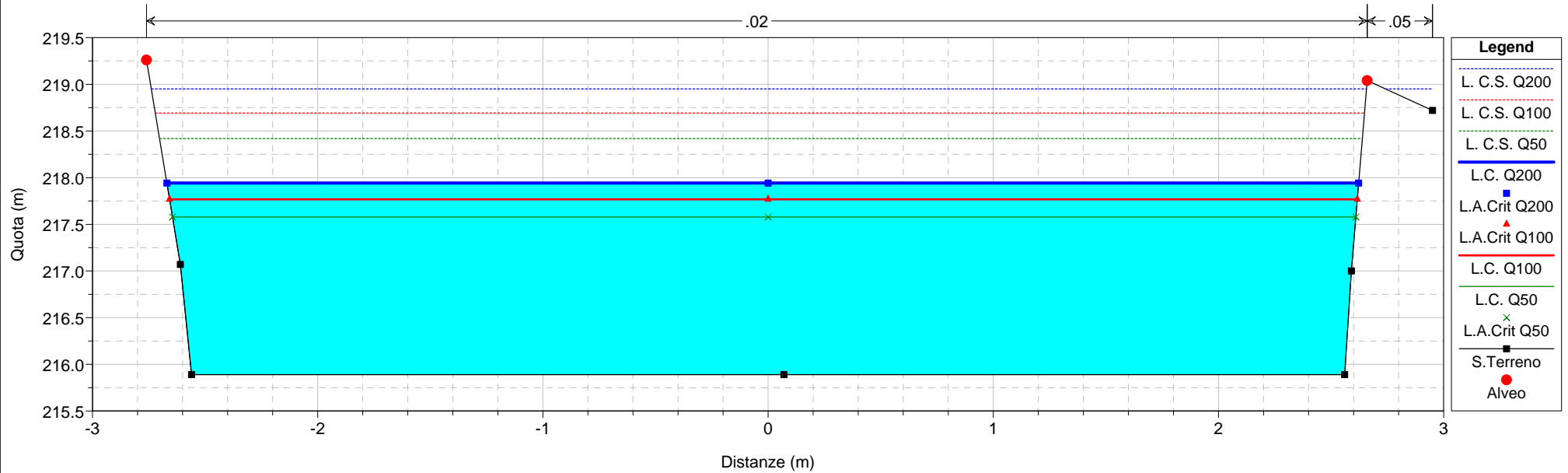




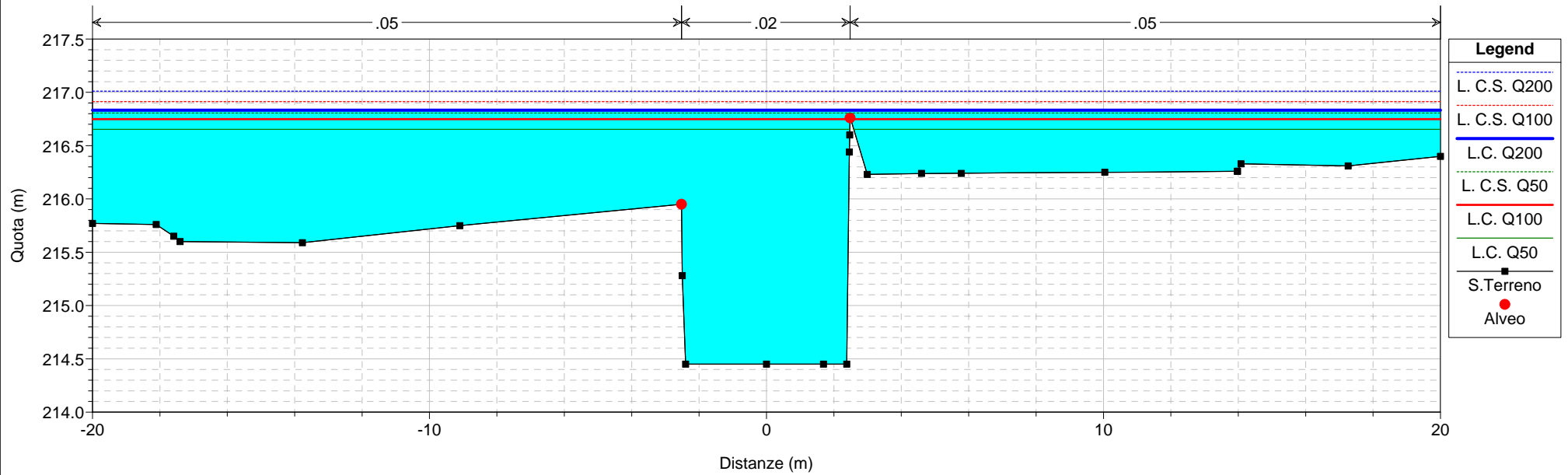
Cava del Bosco\_Stato di fatto  
S. 74a



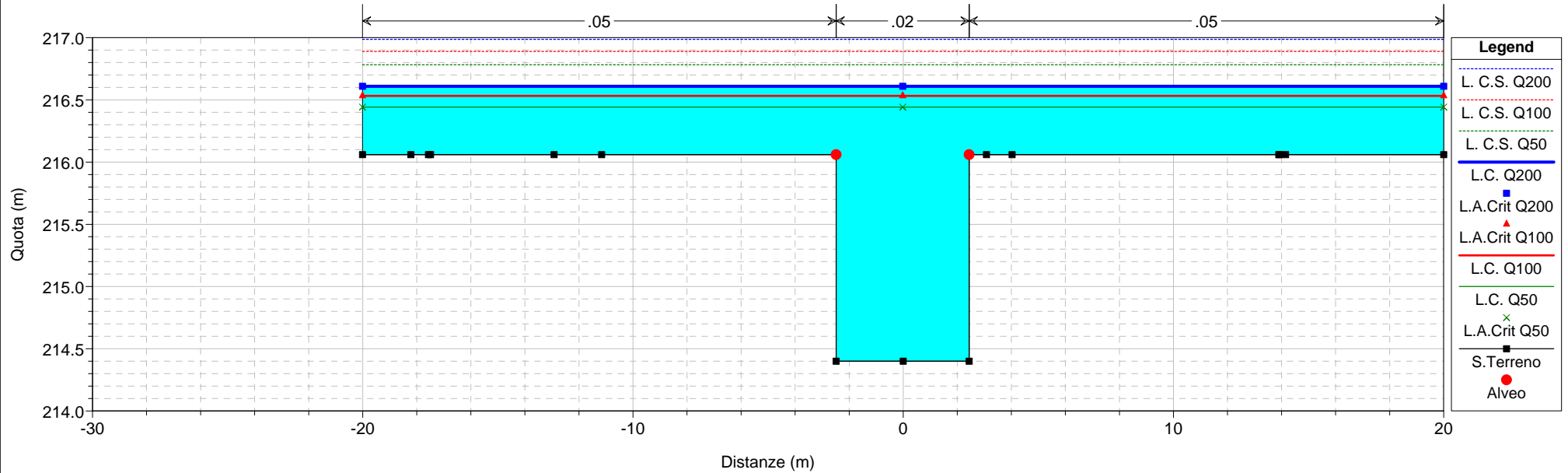
Cava del Bosco\_Stato di fatto  
S.75



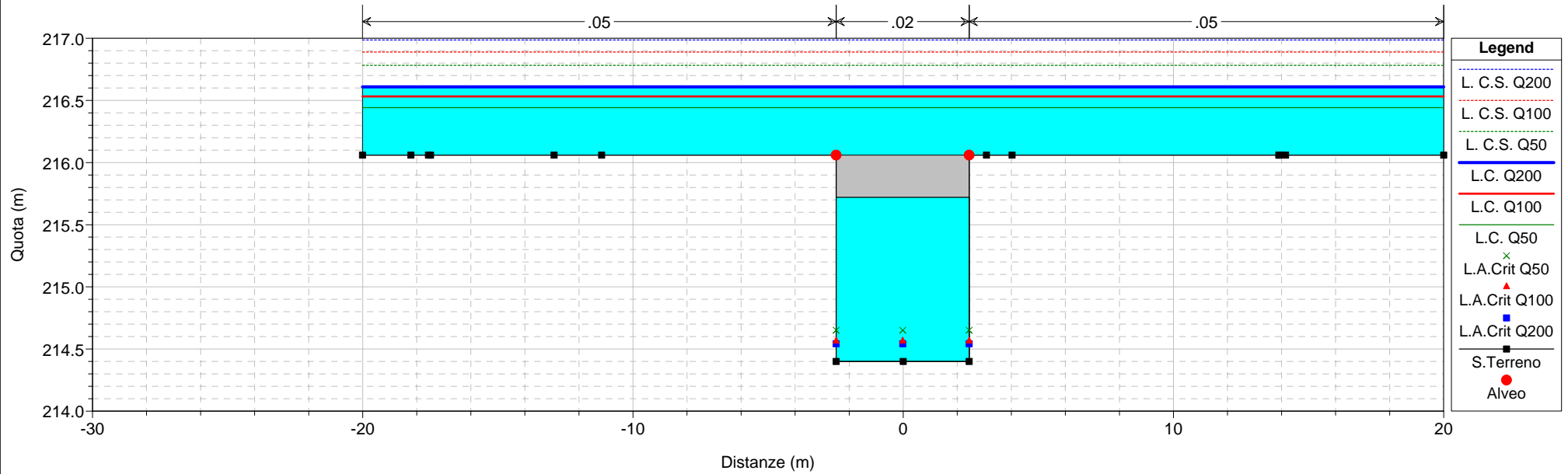
Cava del Bosco\_Stato di fatto  
S.76



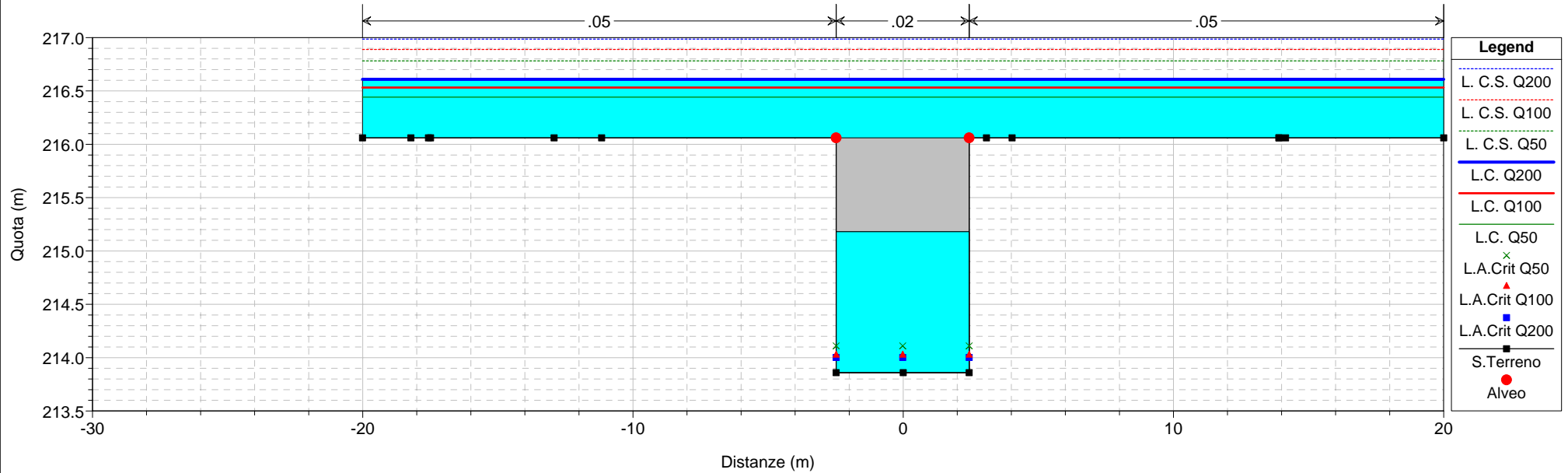
Cava del Bosco\_Stato di fatto  
S.77



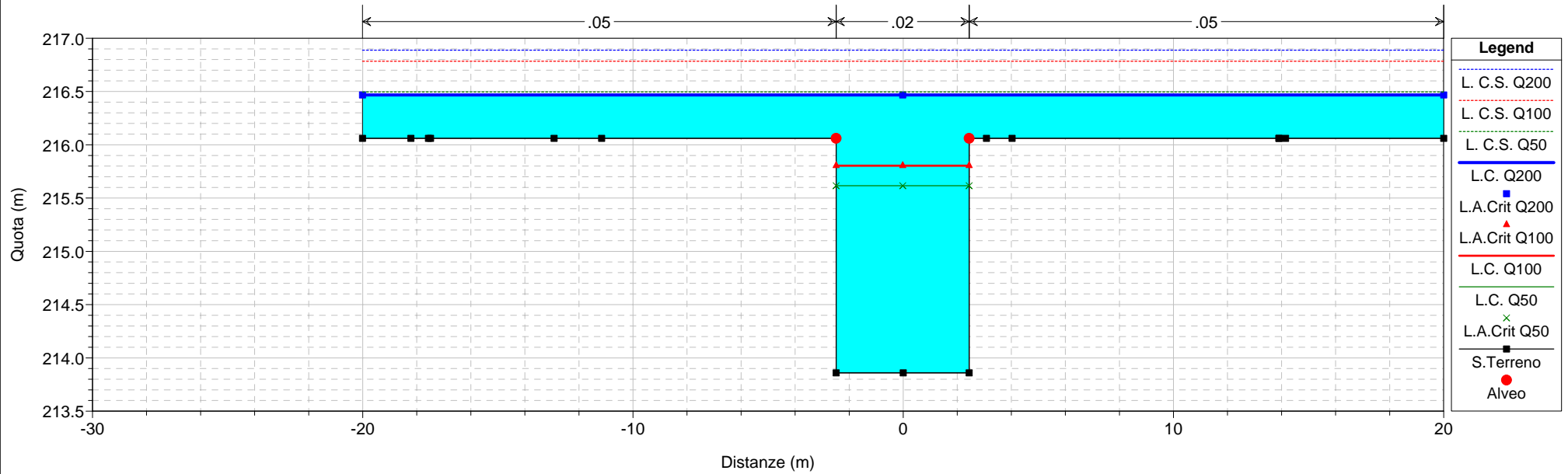
# Cava del Bosco\_Stato di fatto SCATOLARE



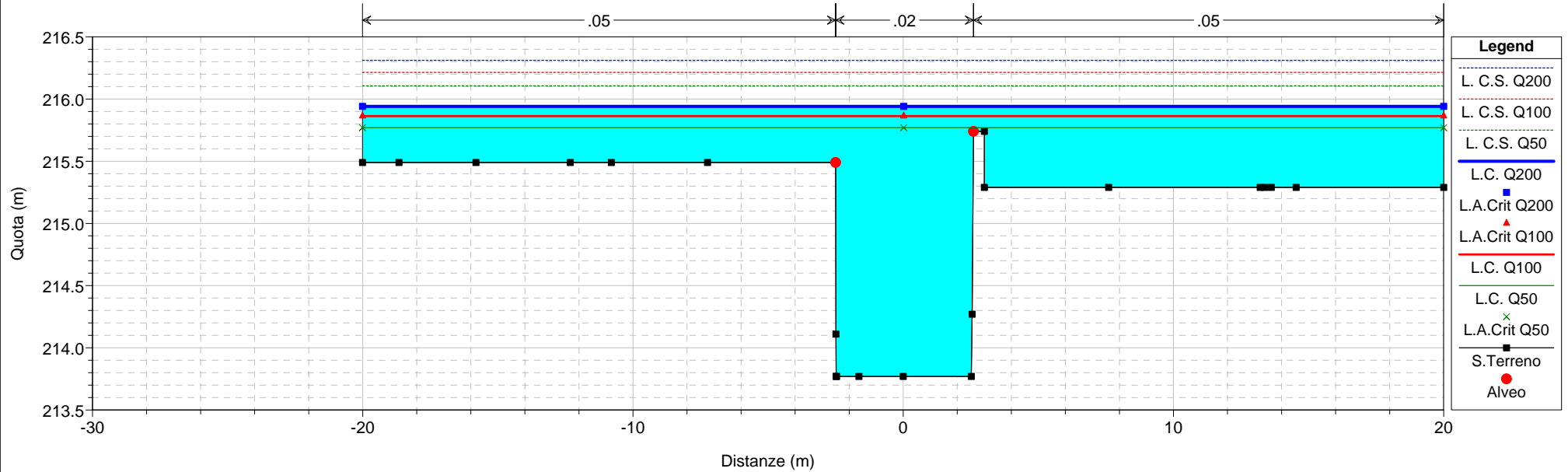
# Cava del Bosco\_Stato di fatto SCATOLARE



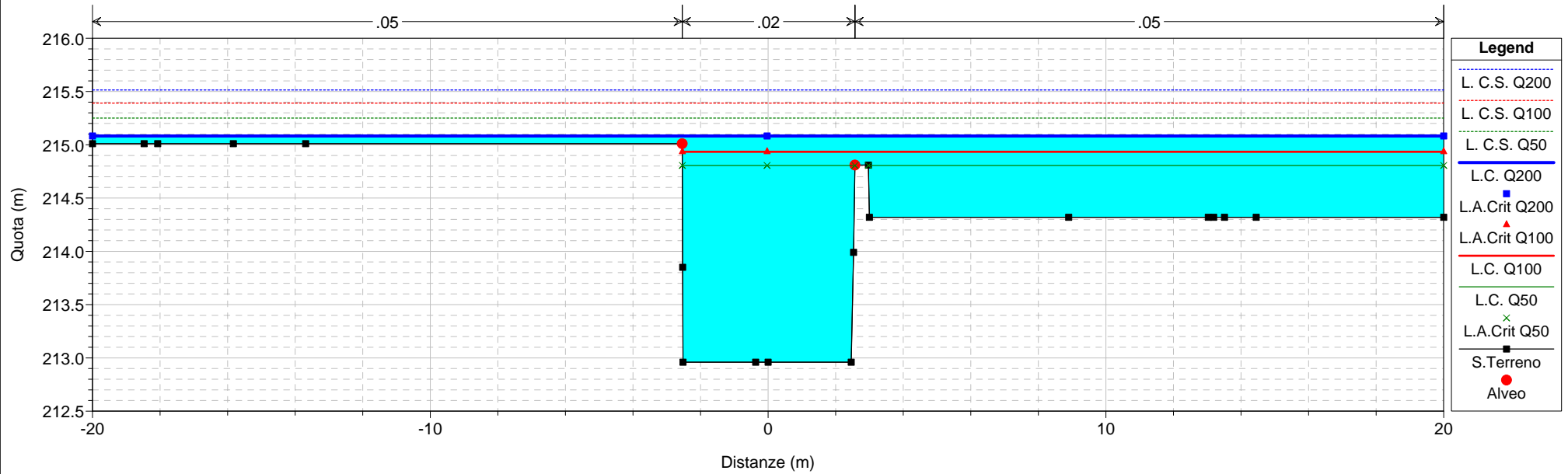
Cava del Bosco\_Stato di fatto  
S.78



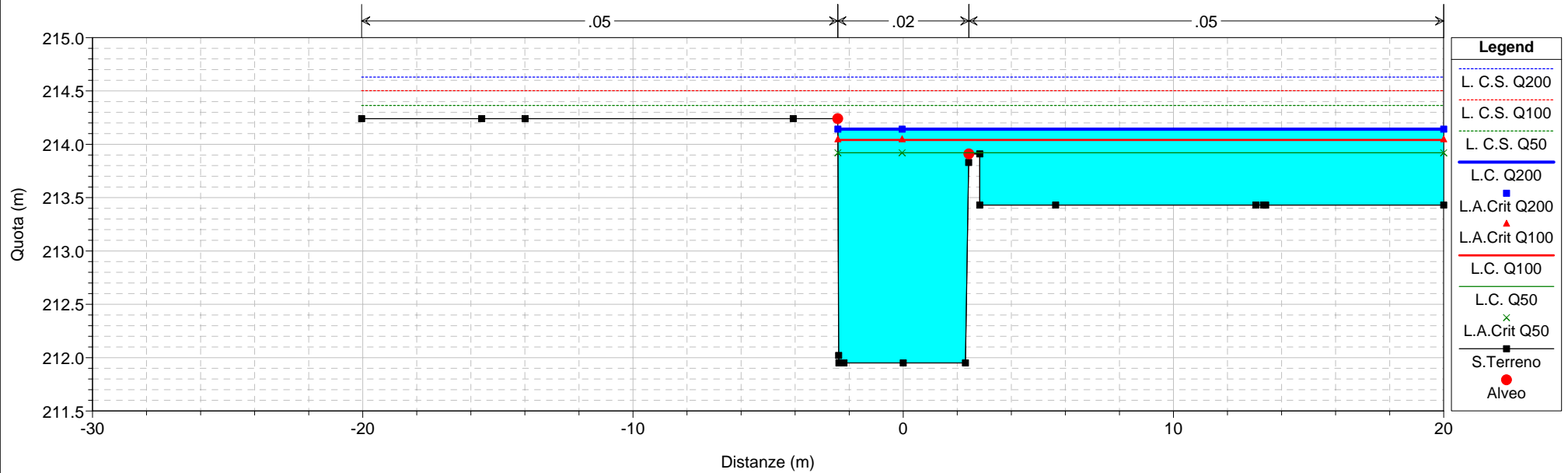
Cava del Bosco\_Stato di fatto  
S.79



Cava del Bosco\_Stato di fatto  
S.80

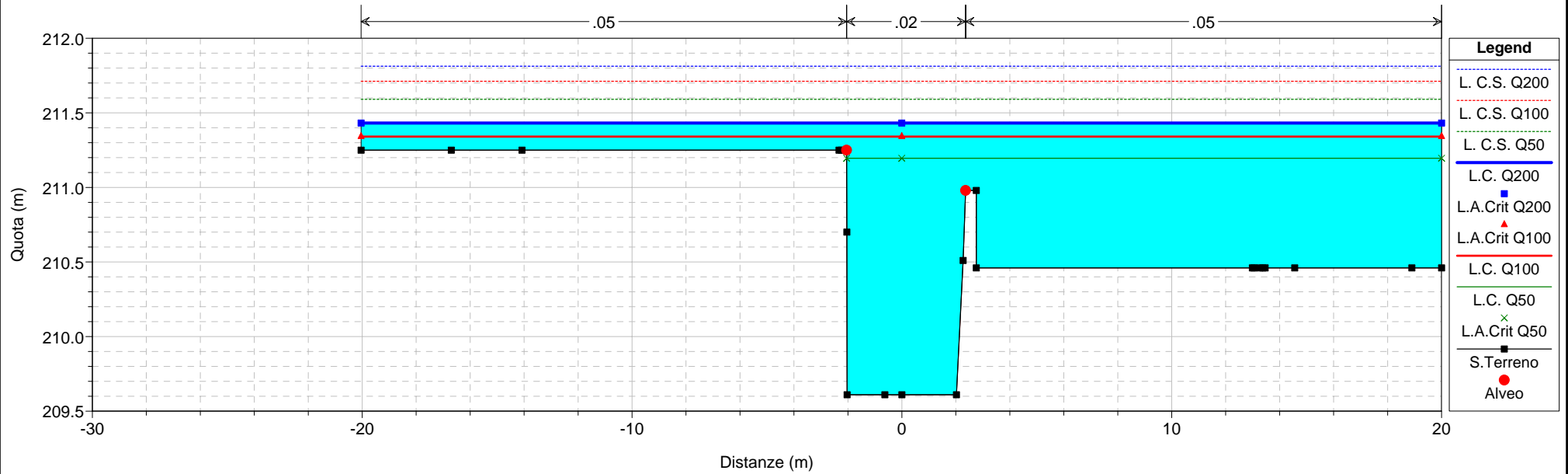


Cava del Bosco\_Stato di fatto  
S.81



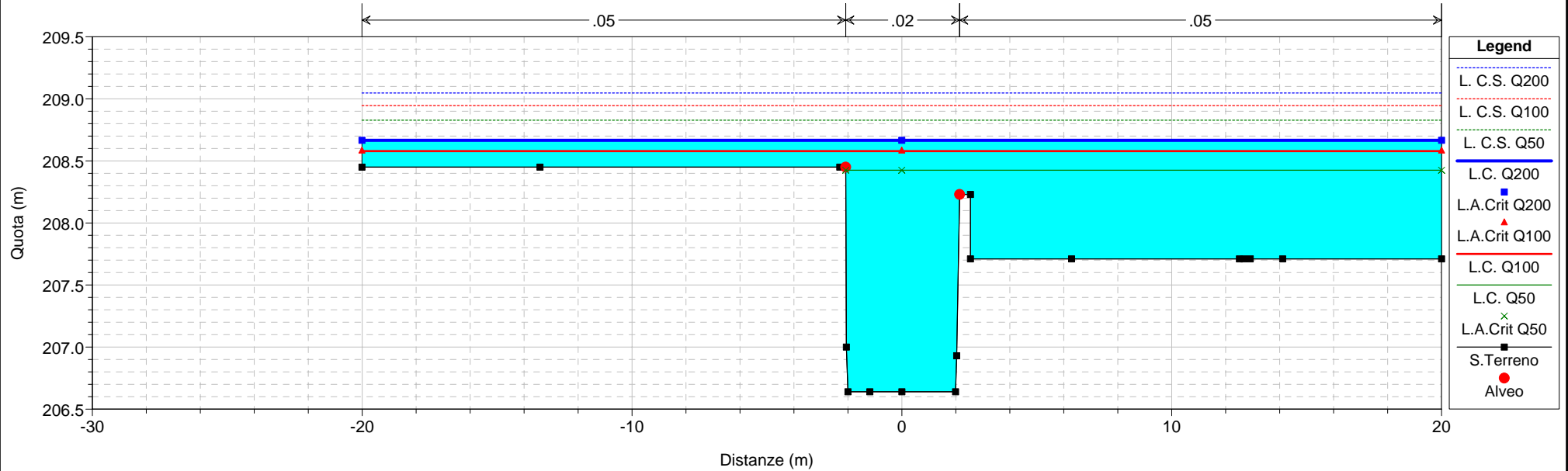
# Cava del Bosco\_Stato di fatto

S.82



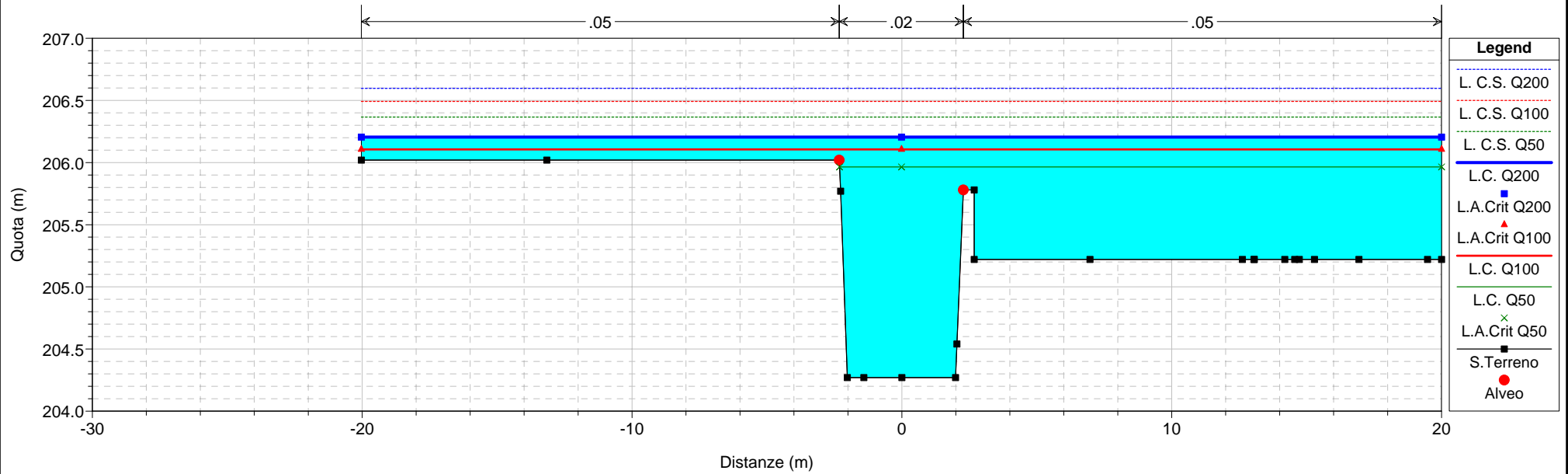
# Cava del Bosco\_Stato di fatto

S.83



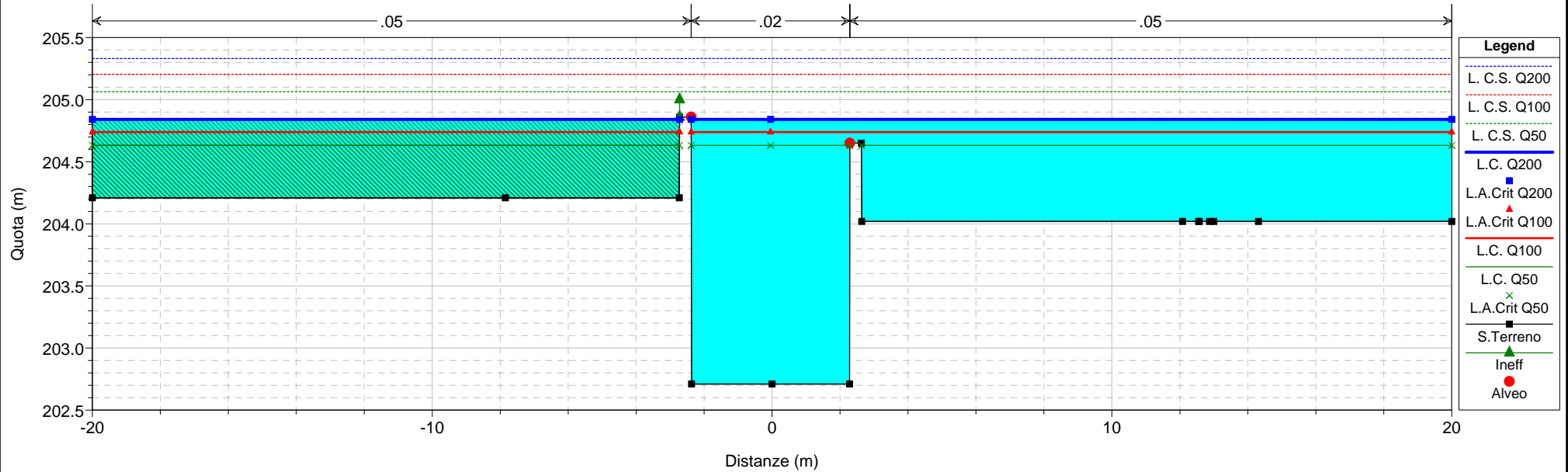
# Cava del Bosco\_Stato di fatto

S.84

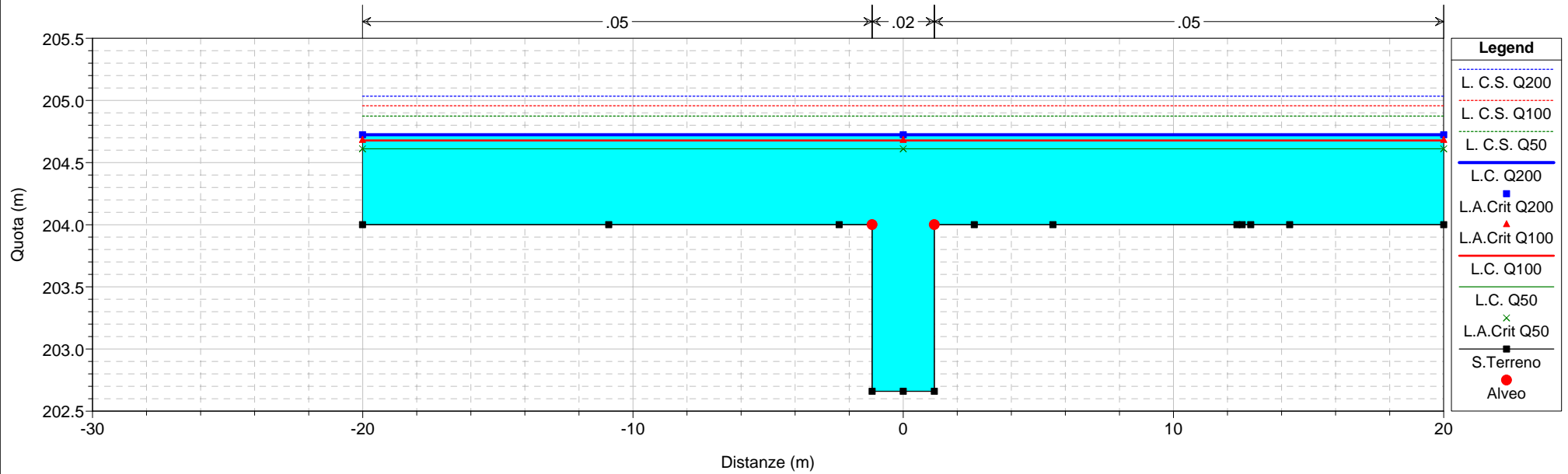


# Cava del Bosco\_Stato di fatto

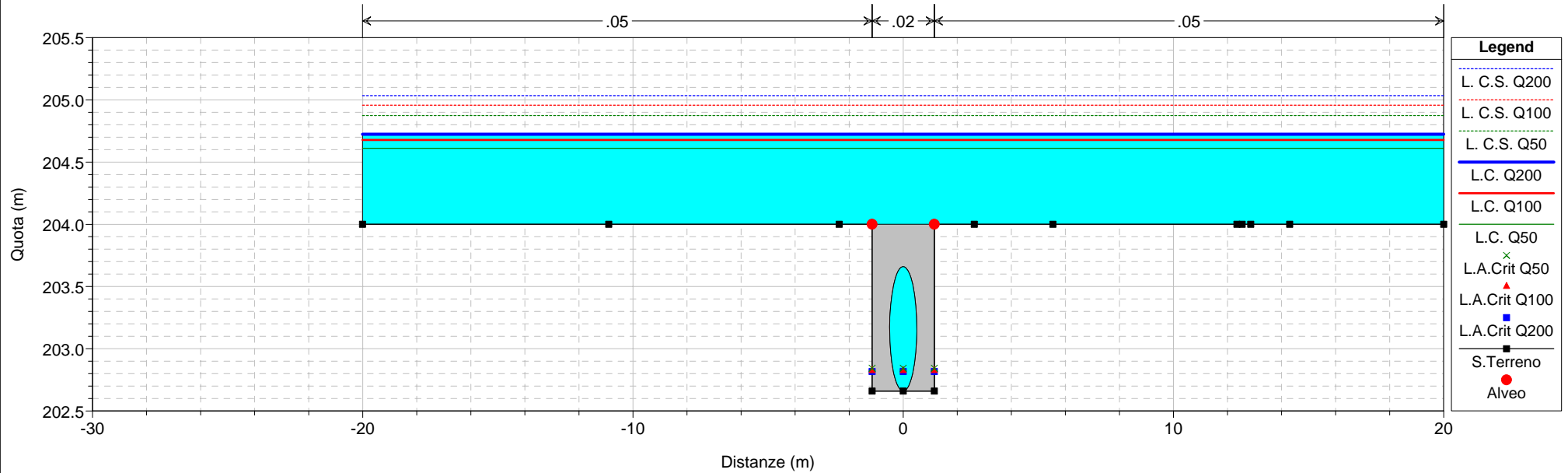
S.85



Cava del Bosco\_Stato di fatto  
S.86



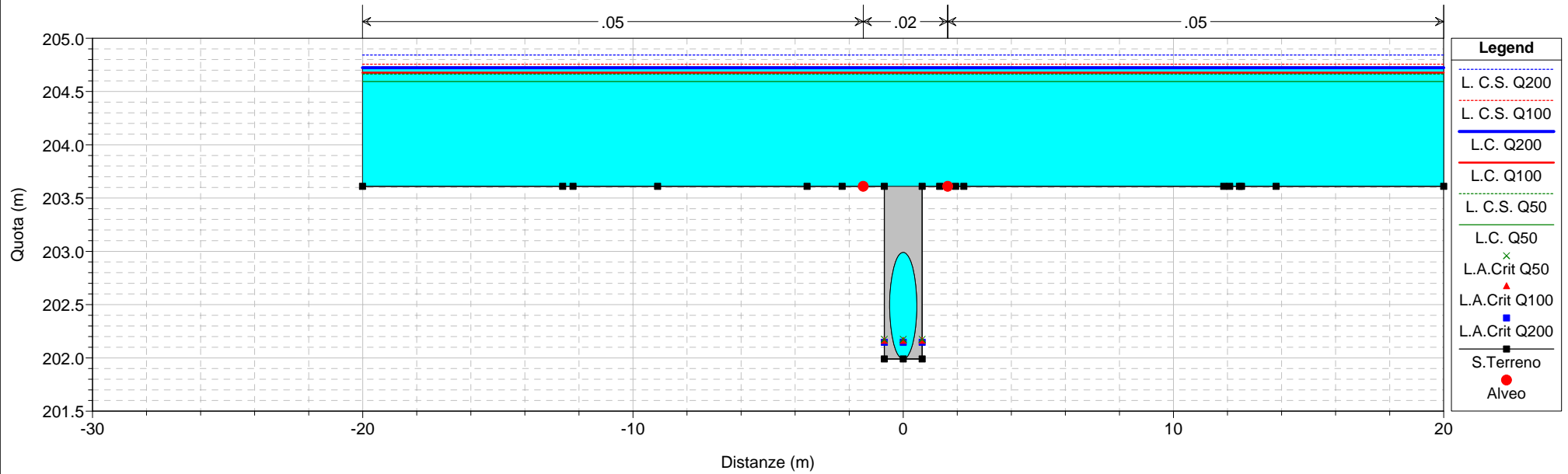
Cava del Bosco\_Stato di fatto  
Tubo in cemento





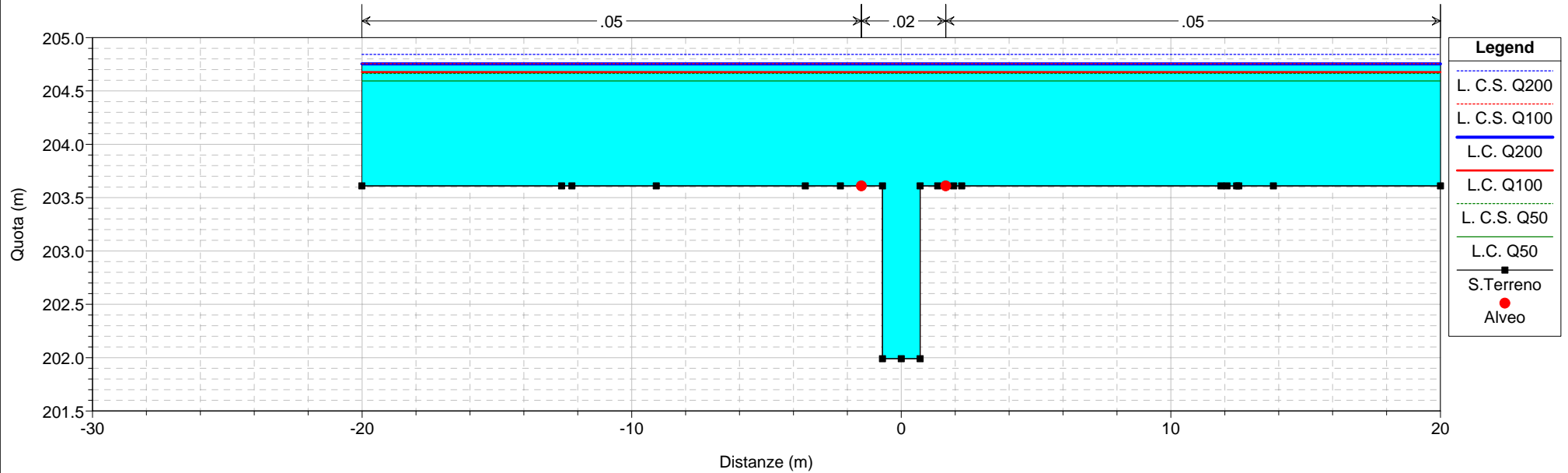
# Cava del Bosco\_Stato di fatto

Tubo in cemento

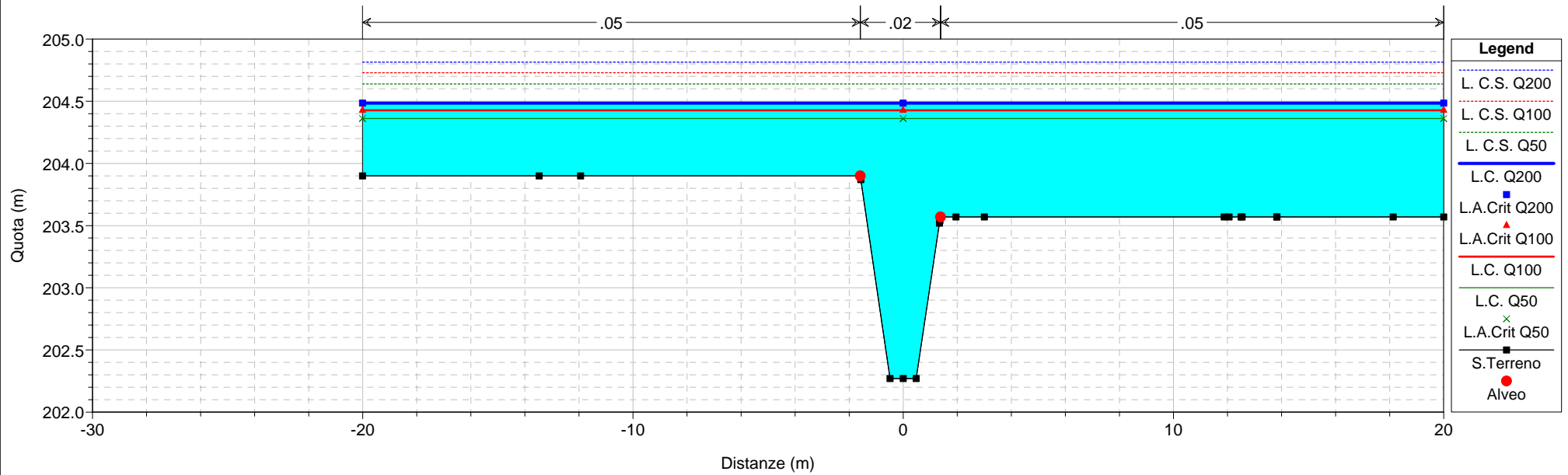


# Cava del Bosco\_Stato di fatto

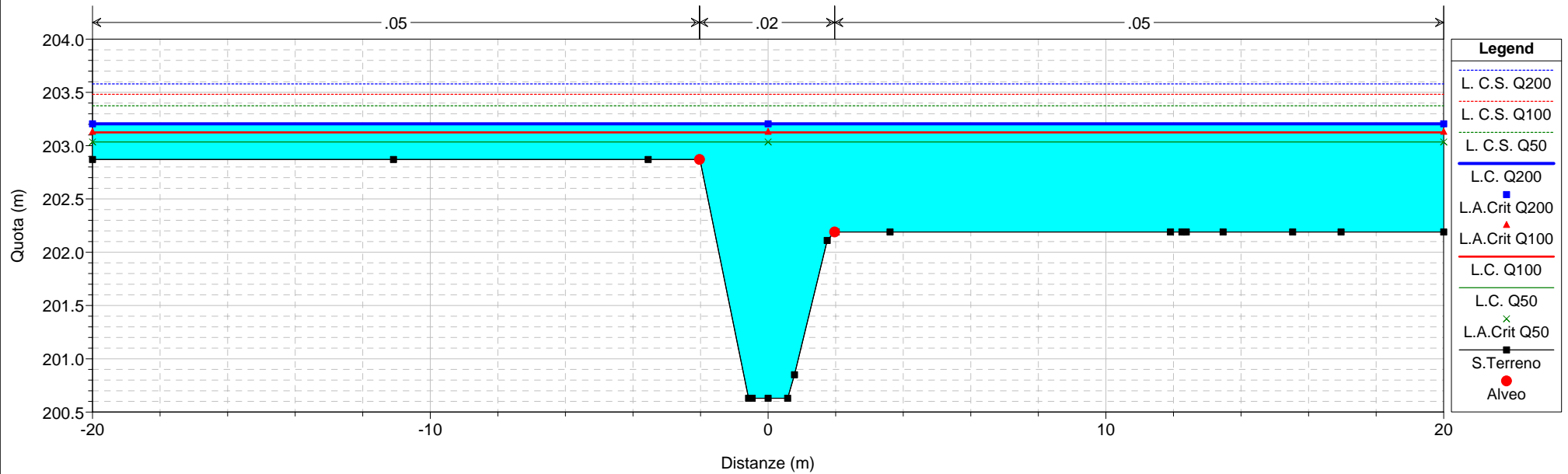
S.87



Cava del Bosco\_Stato di fatto  
S.88

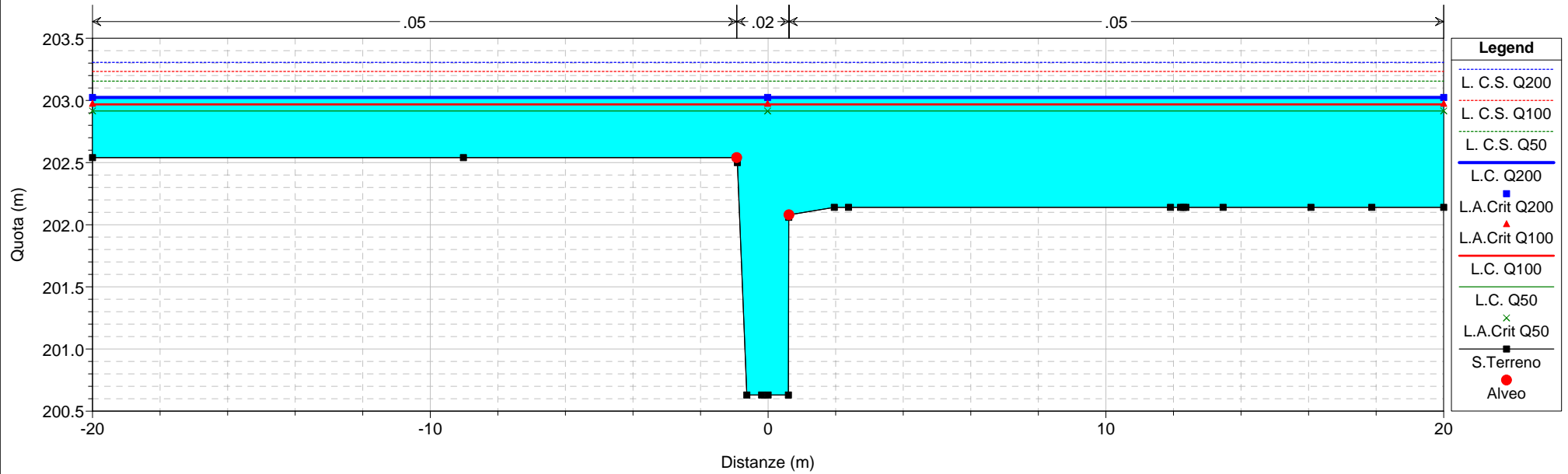


Cava del Bosco\_Stato di fatto  
S.89



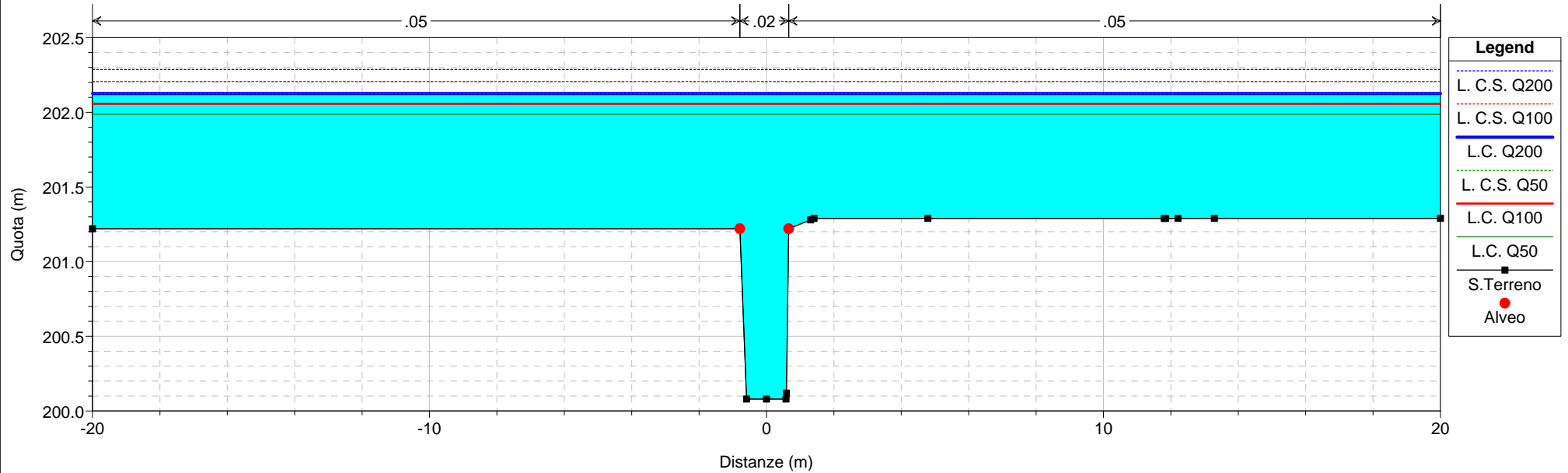
# Cava del Bosco\_Stato di fatto

S.90



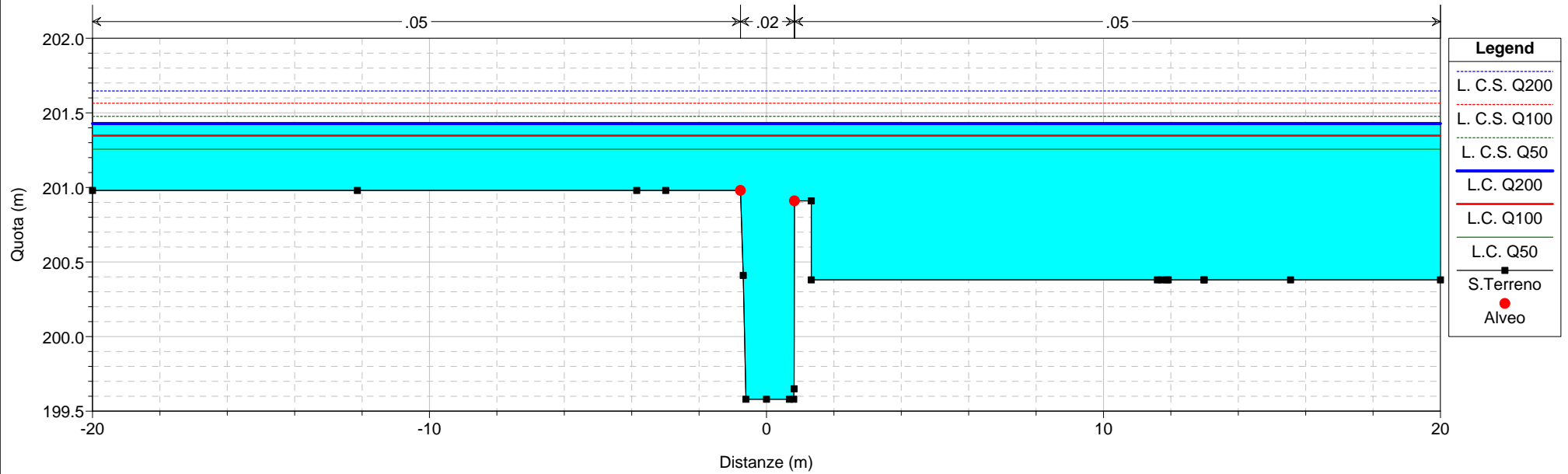
# Cava del Bosco\_Stato di fatto

S.91



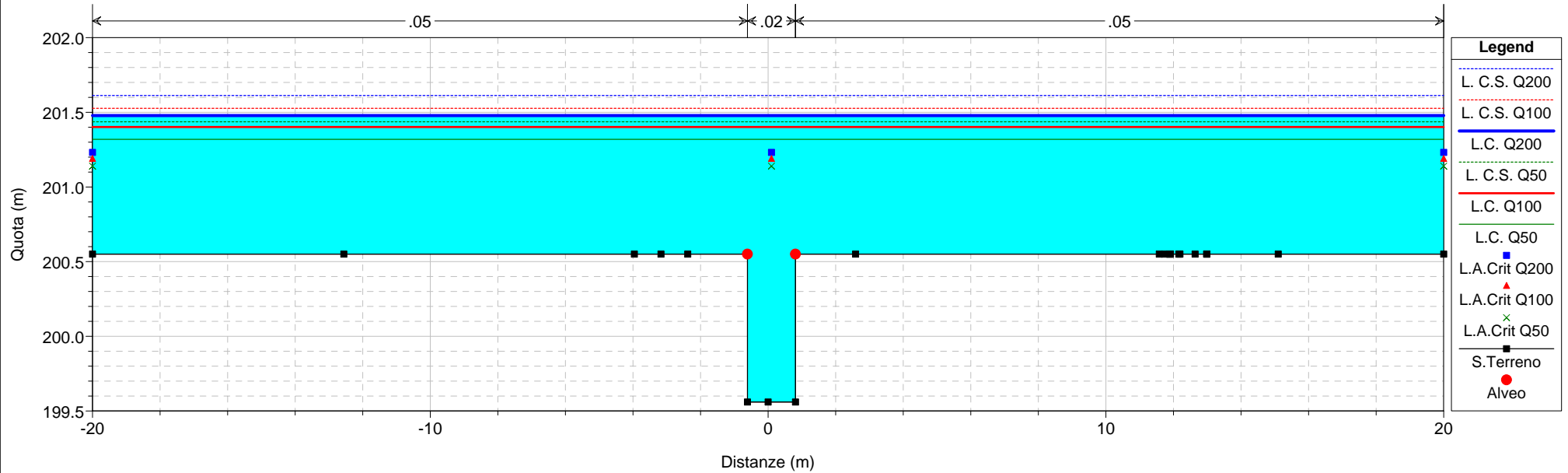
# Cava del Bosco\_Stato di fatto

S.92



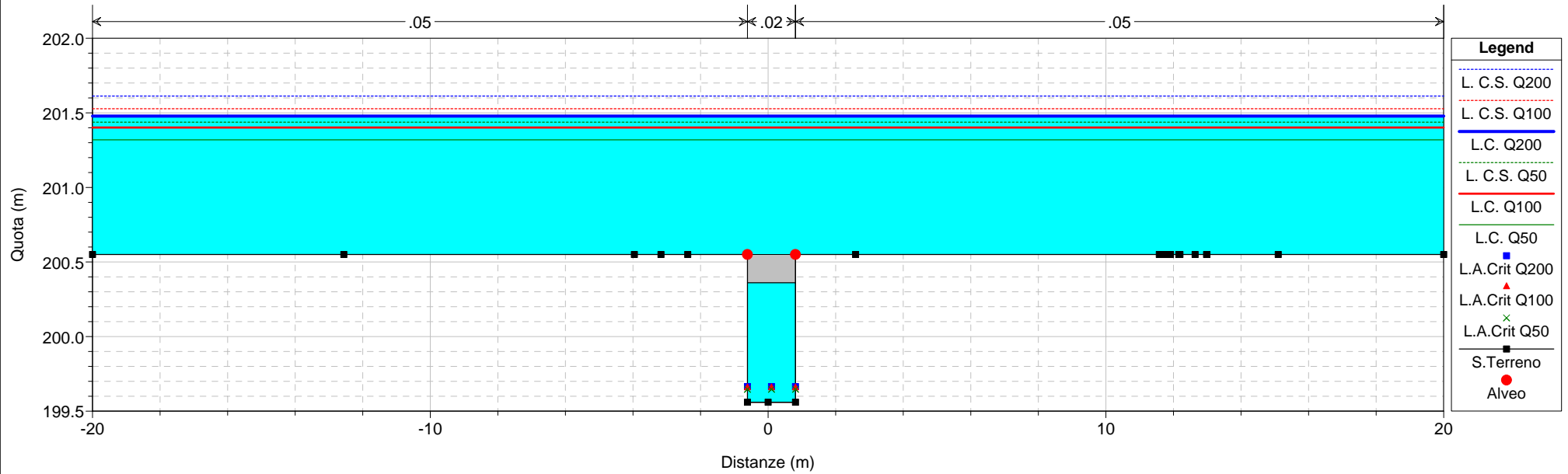
# Cava del Bosco\_Stato di fatto

S.93



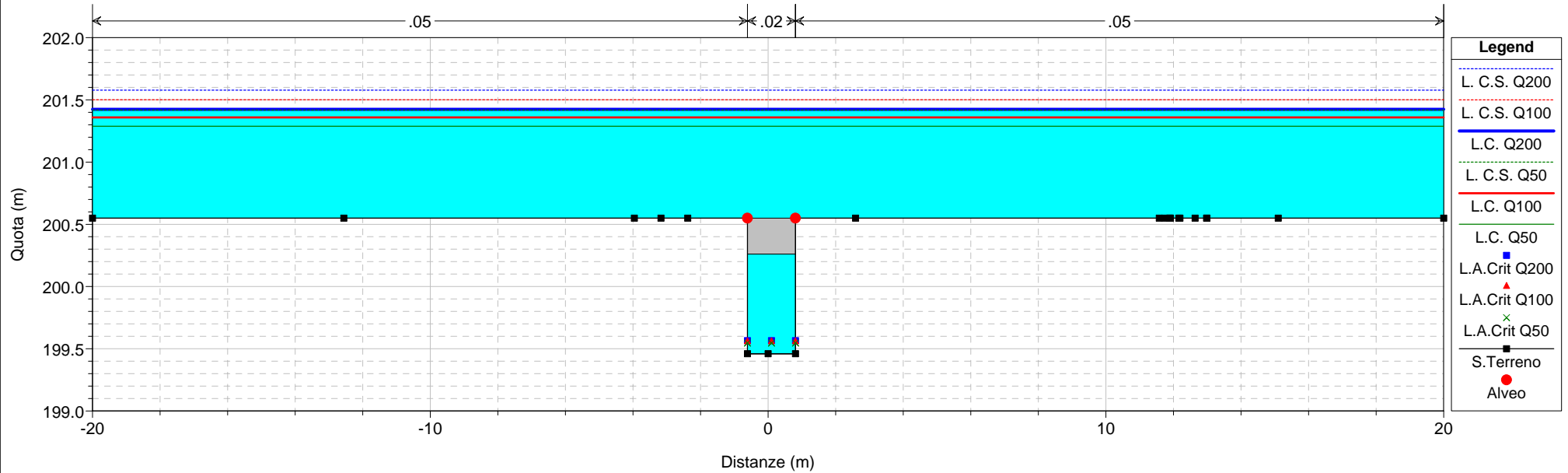
# Cava del Bosco\_Stato di fatto

SCATOLARE



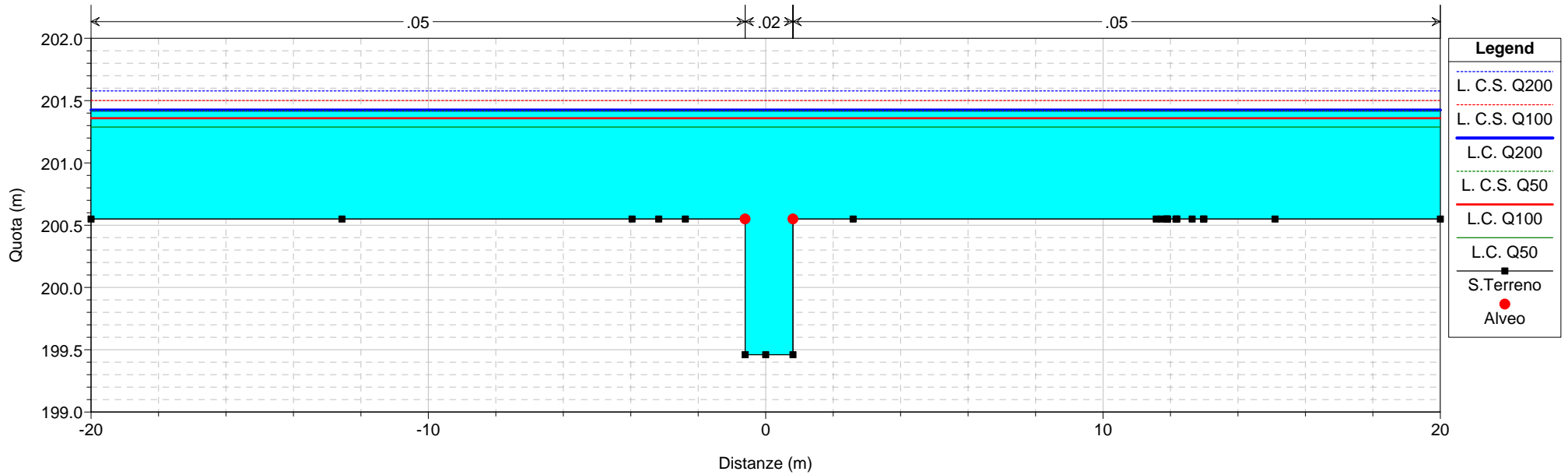
# Cava del Bosco\_Stato di fatto

SCATOLARE



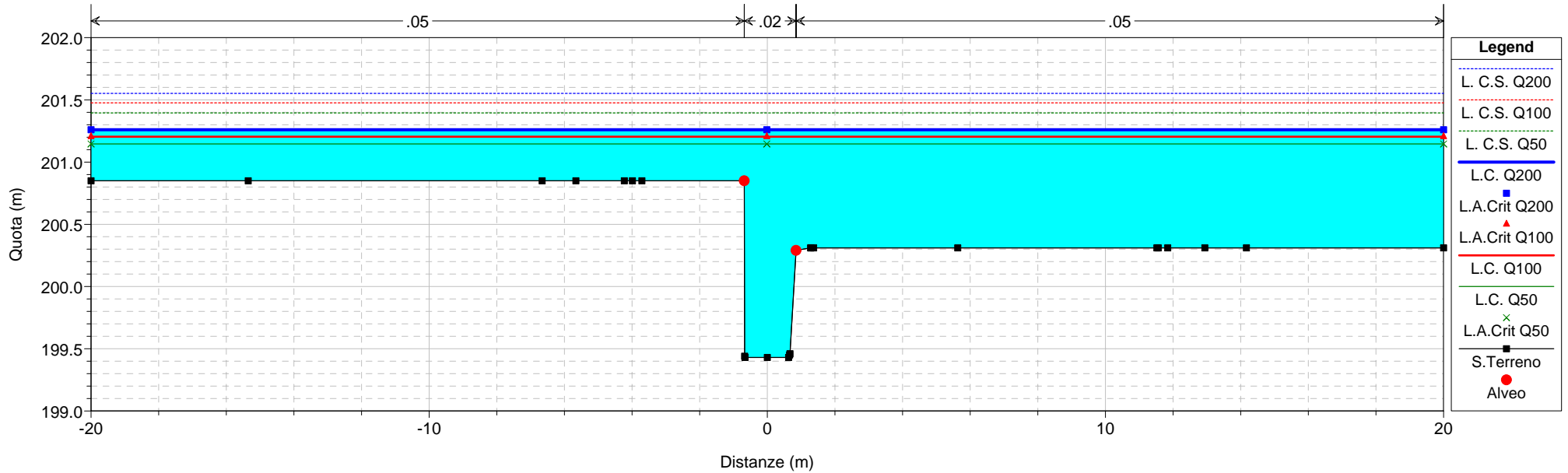
# Cava del Bosco\_Stato di fatto

S.94



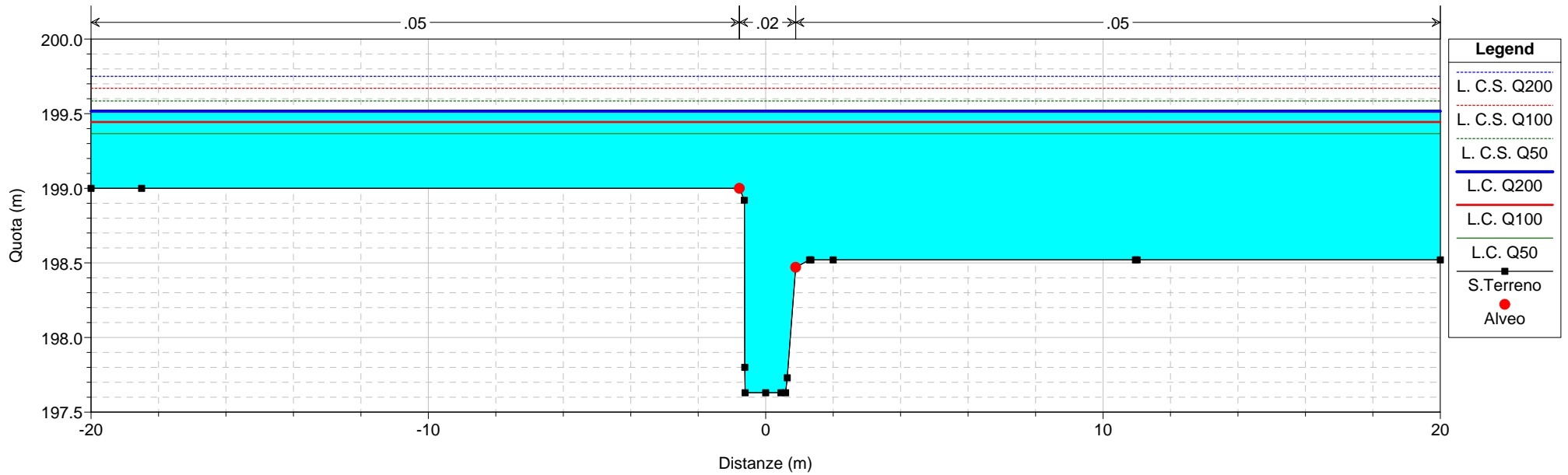
# Cava del Bosco\_Stato di fatto

S.95



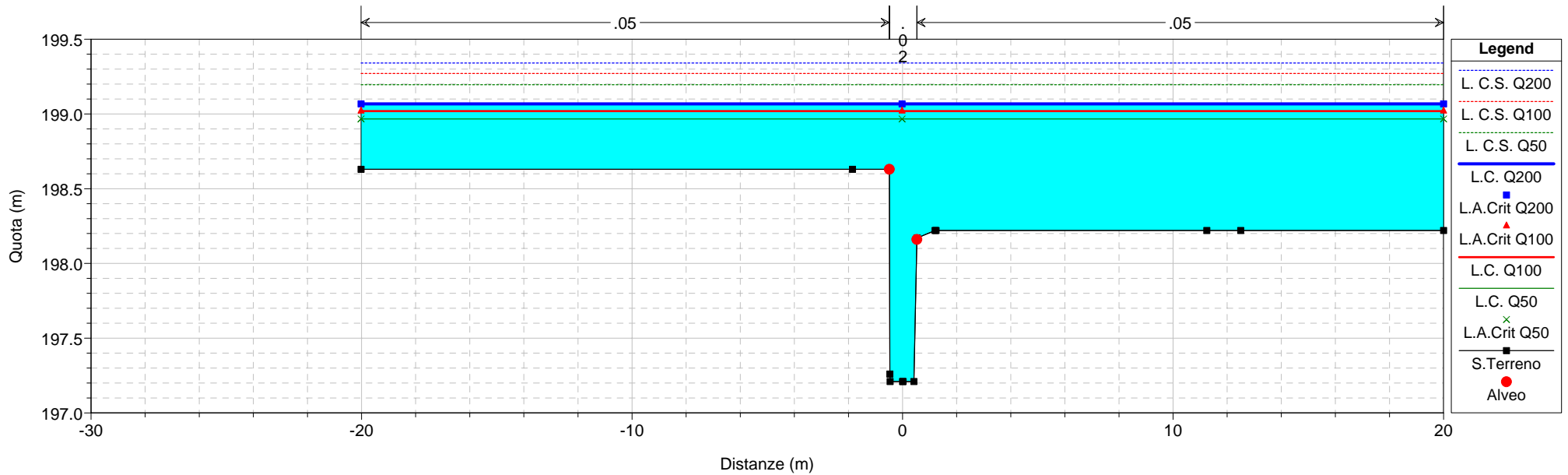
# Cava del Bosco\_Stato di fatto

S.96

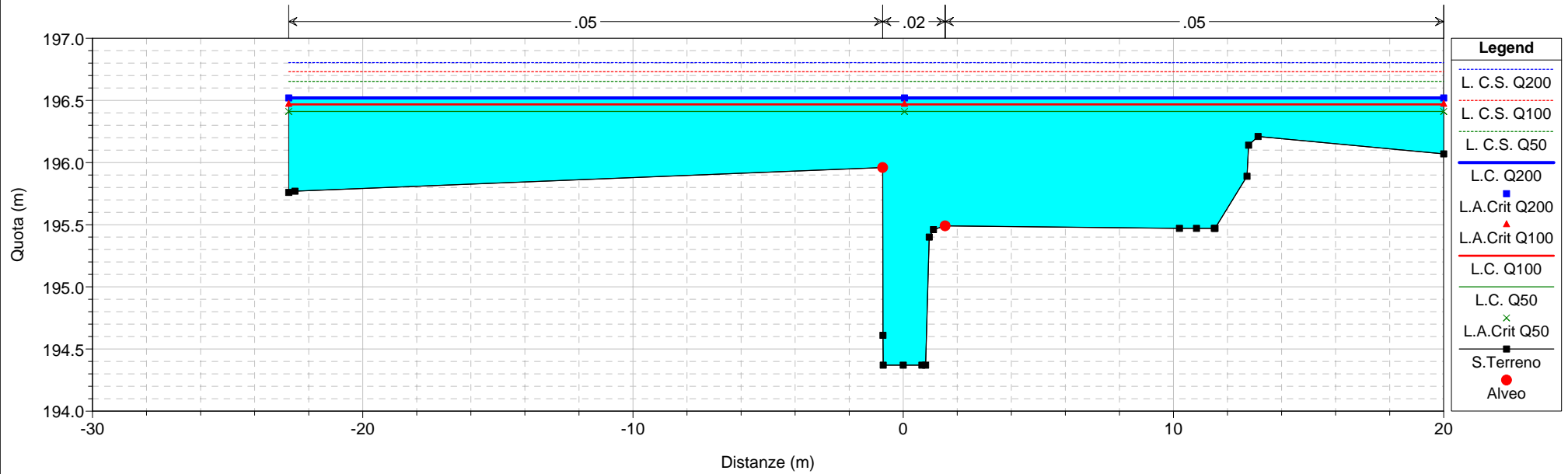


# Cava del Bosco\_Stato di fatto

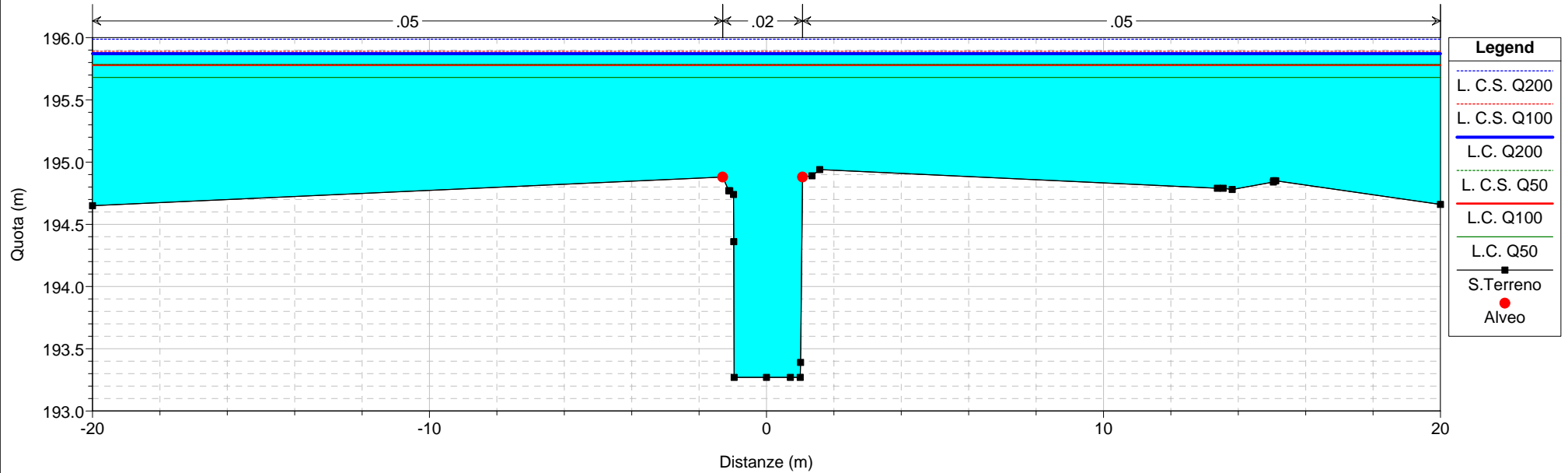
S.97



Cava del Bosco\_Stato di fatto  
S.98



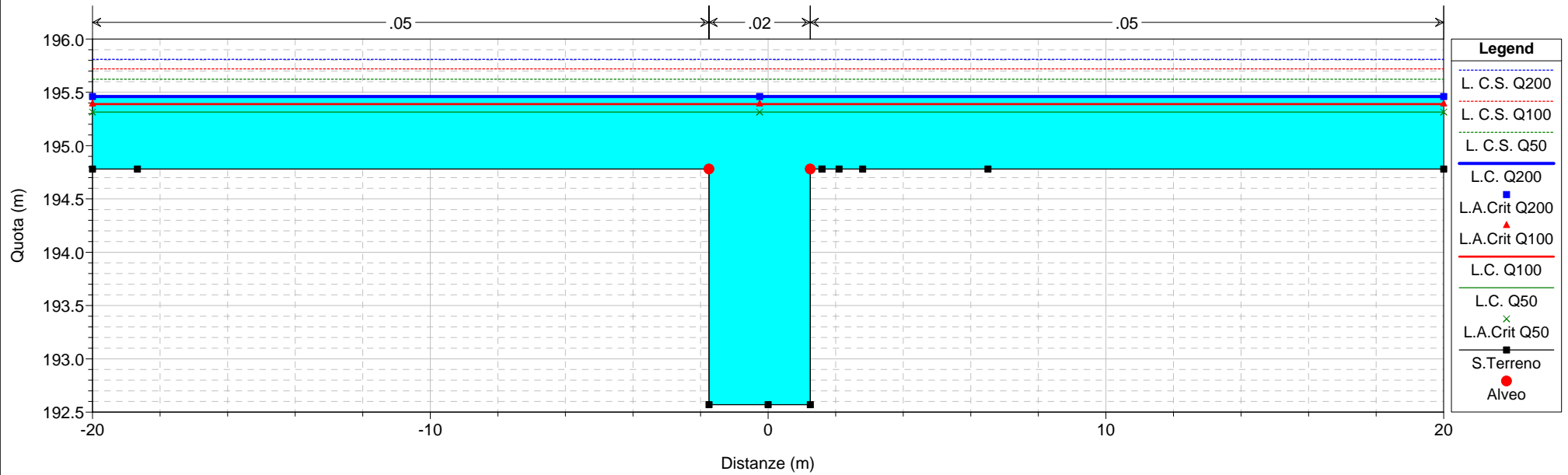
Cava del Bosco\_Stato di fatto  
S.99





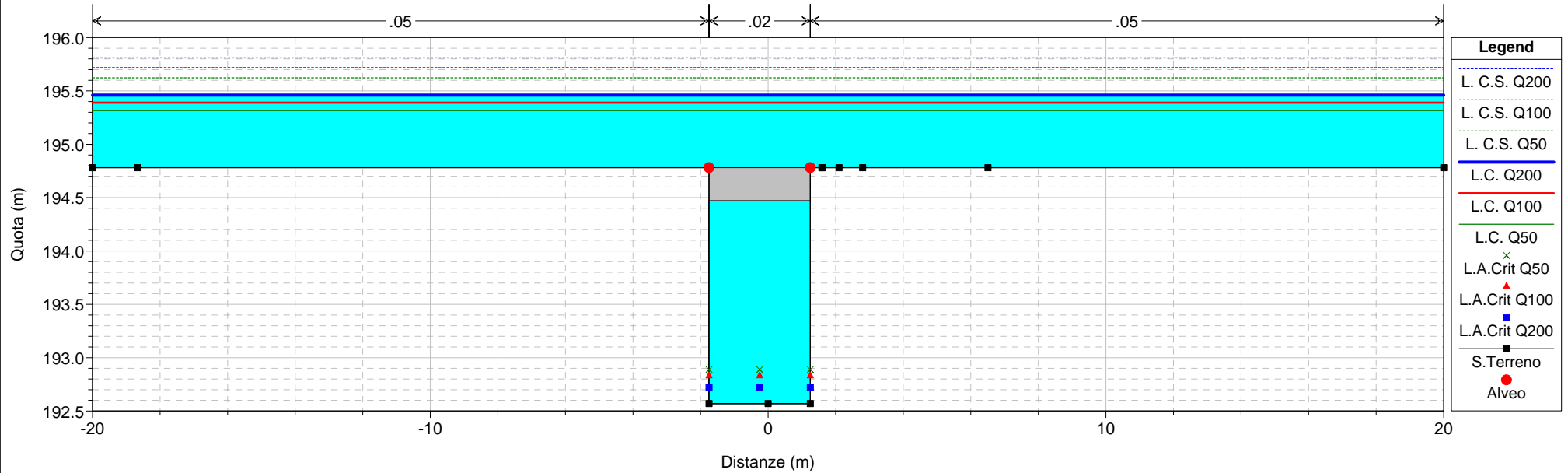
# Cava del Bosco\_Stato di fatto

S.100

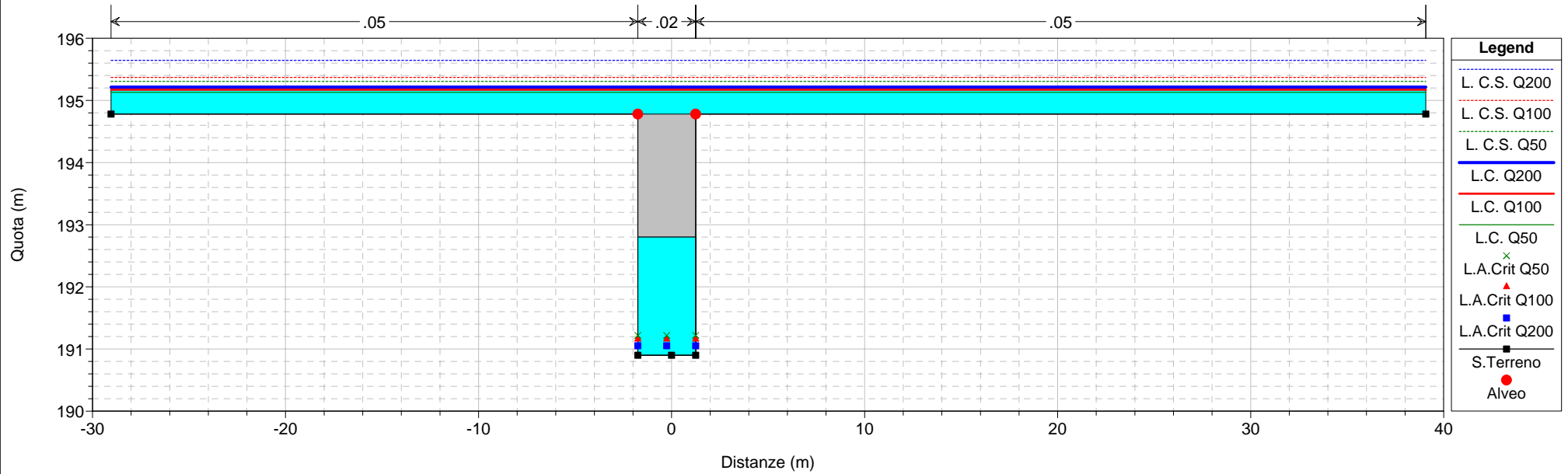


# Cava del Bosco\_Stato di fatto

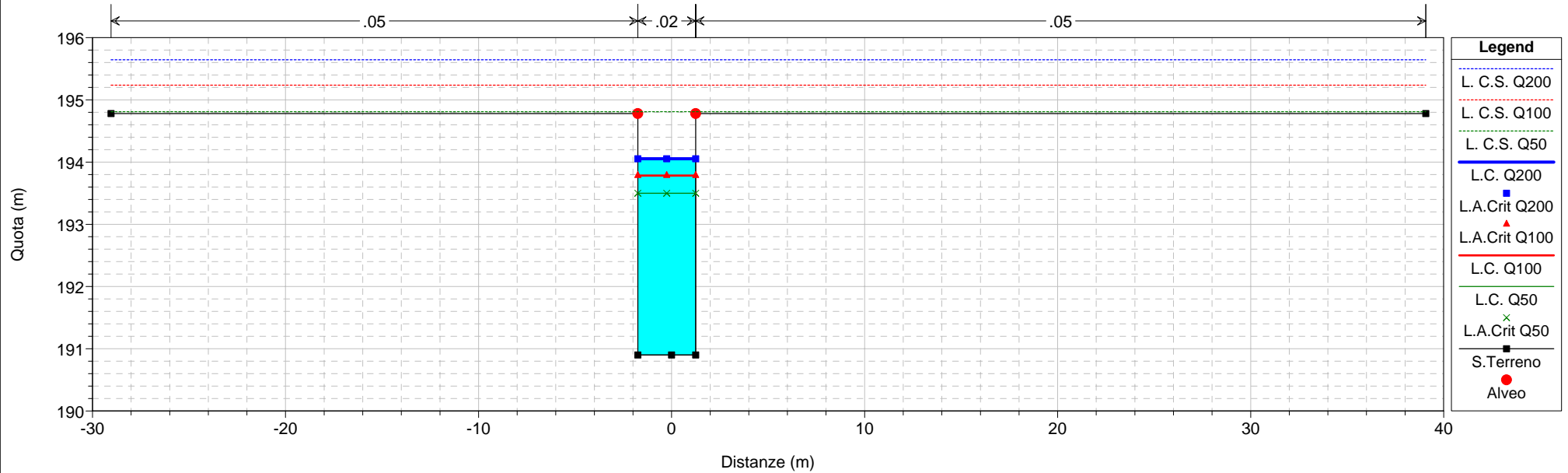
SCATOLARE



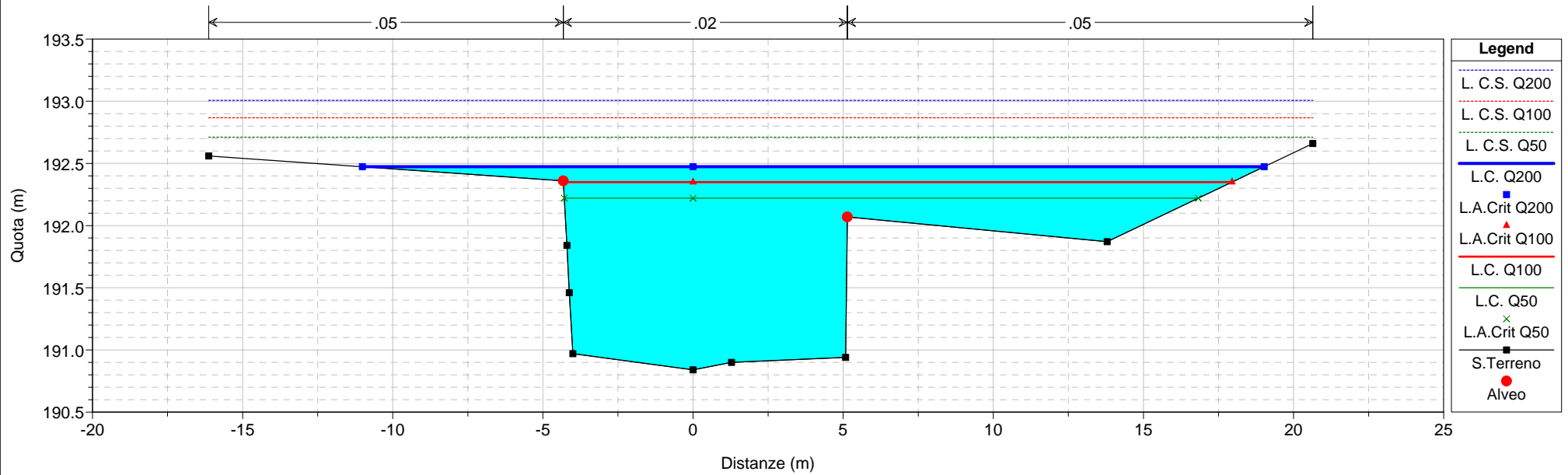
# Cava del Bosco\_Stato di fatto SCATOLARE



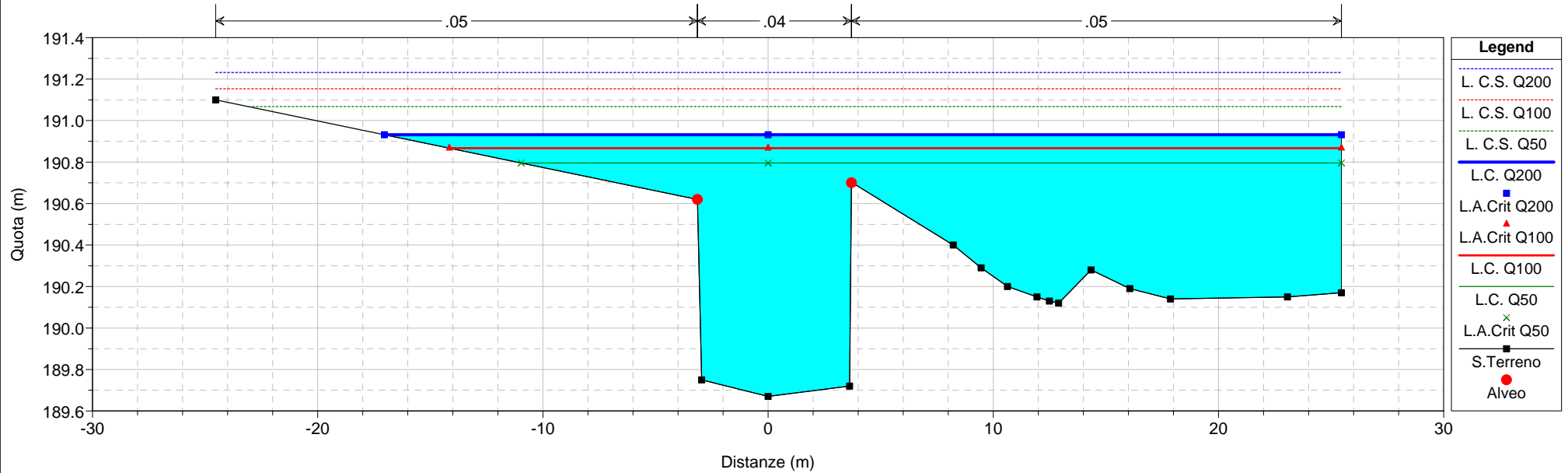
# Cava del Bosco\_Stato di fatto S.101



Cava del Bosco\_Stato di fatto  
S.102

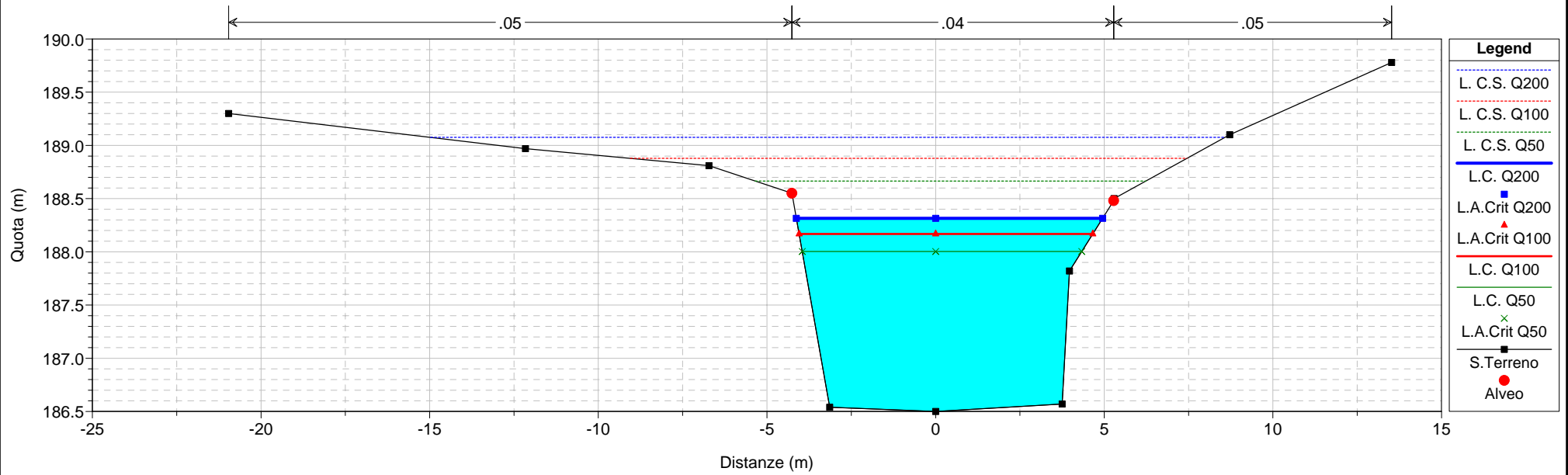


Cava del Bosco\_Stato di fatto  
S.103



# Cava del Bosco\_Stato di fatto

S.104



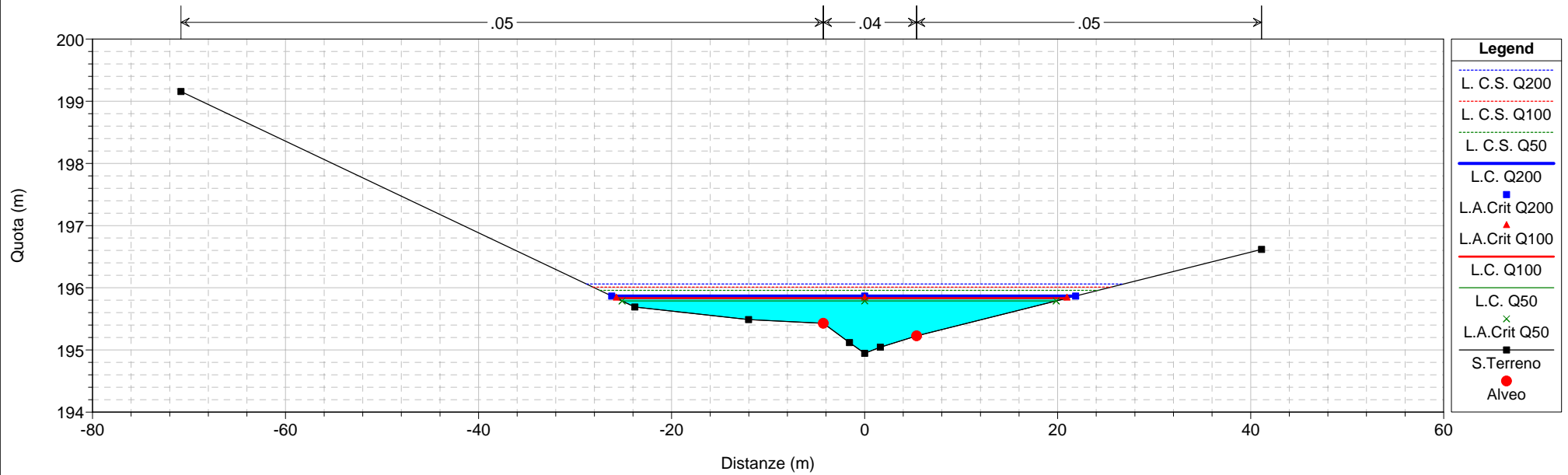
**AFFLUENTE TORRENTE VOLPE**

**STATO ANTE OPERAM  
(STATO DI FATTO)**

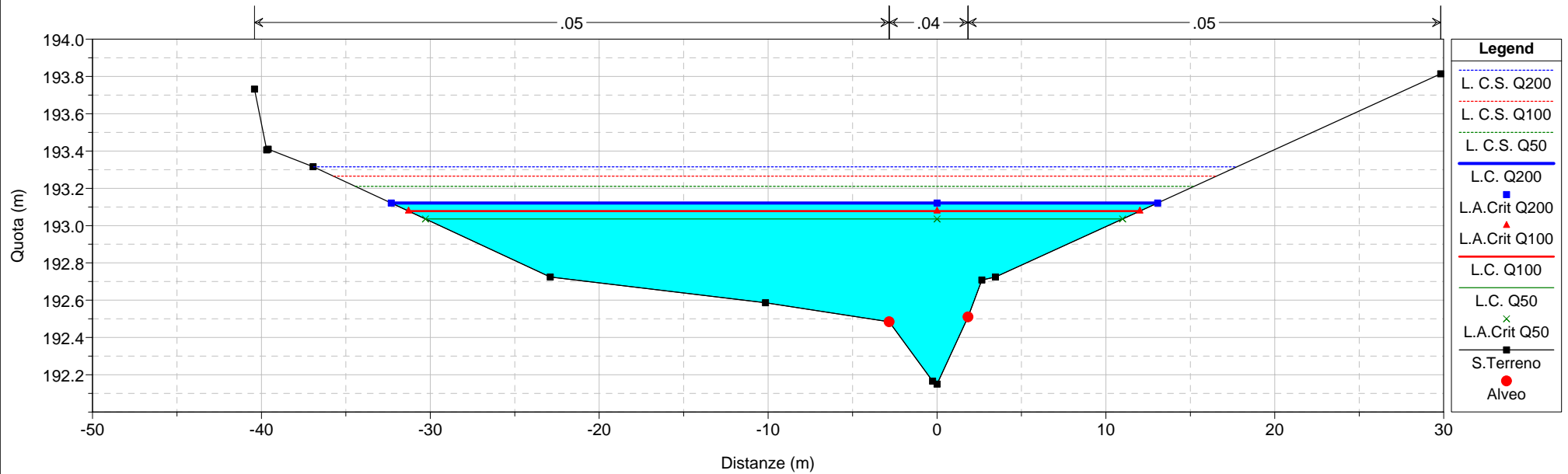
**SIMULAZIONE IDRAULICA IN MOTO PERMANENTE**

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

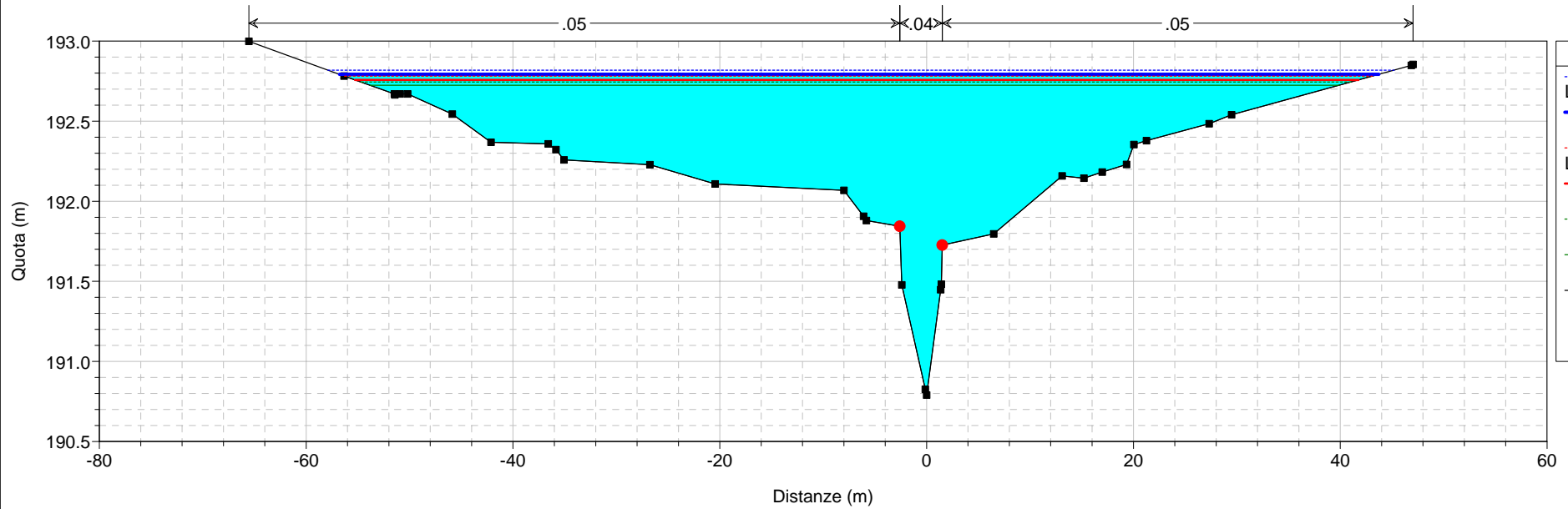
Affluente T. Volpe\_S.di.F.  
S. 1



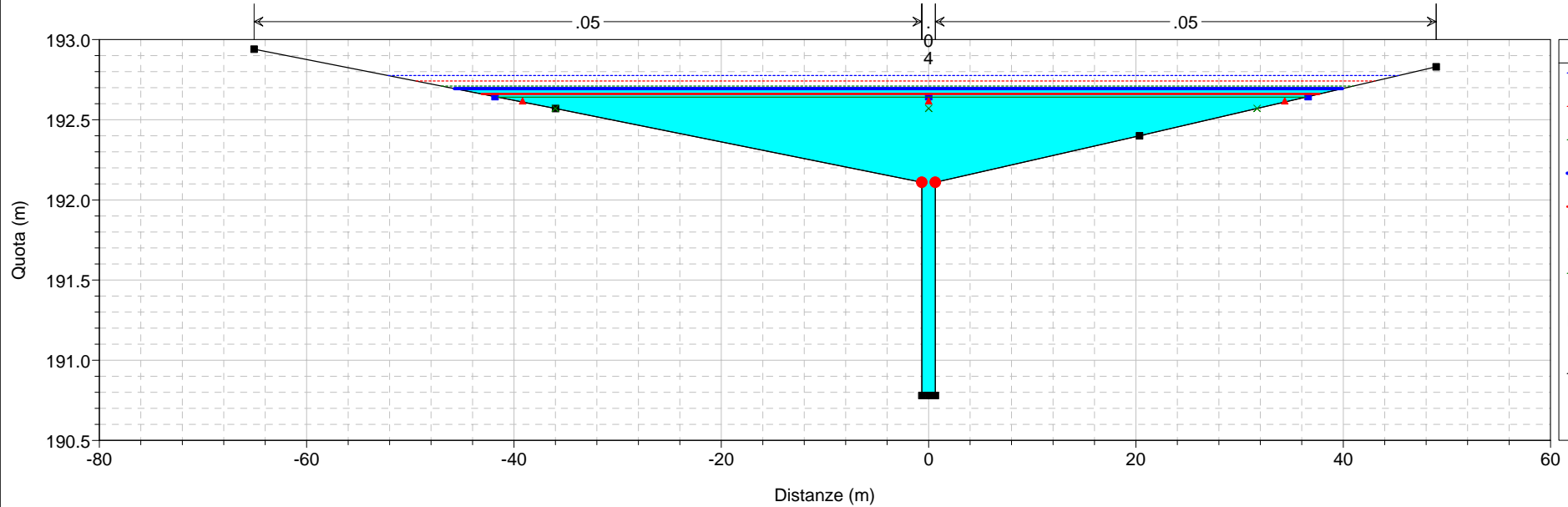
Affluente T. Volpe\_S.di.F.  
S. 2



Affluente T. Volpe\_S.di.F.  
S. 3

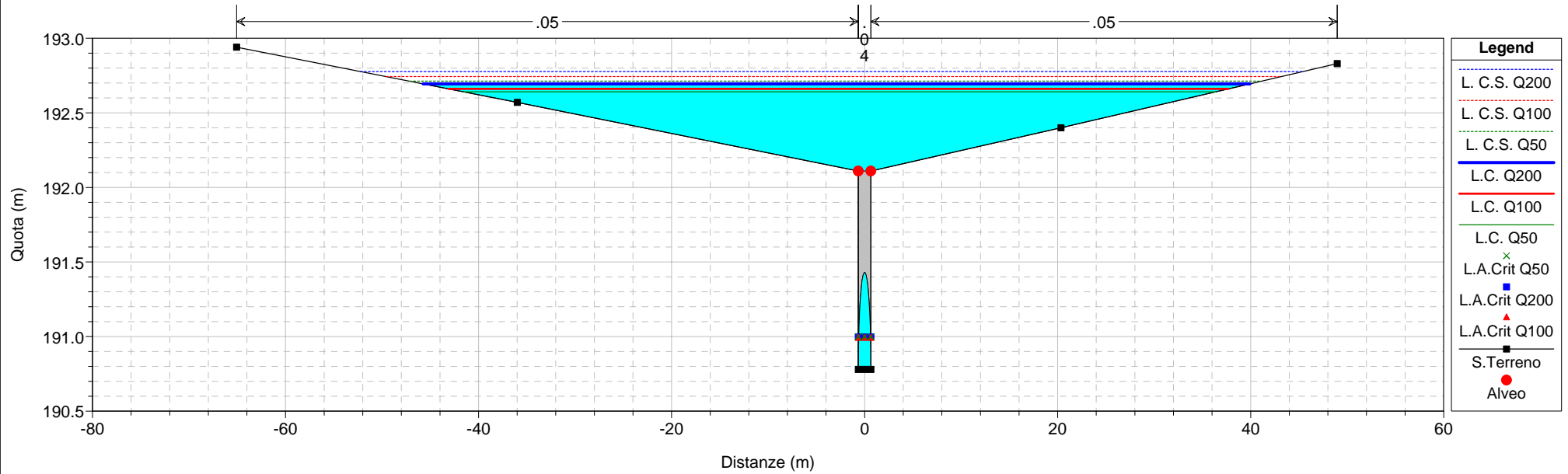


Affluente T. Volpe\_S.di.F.  
S. 4



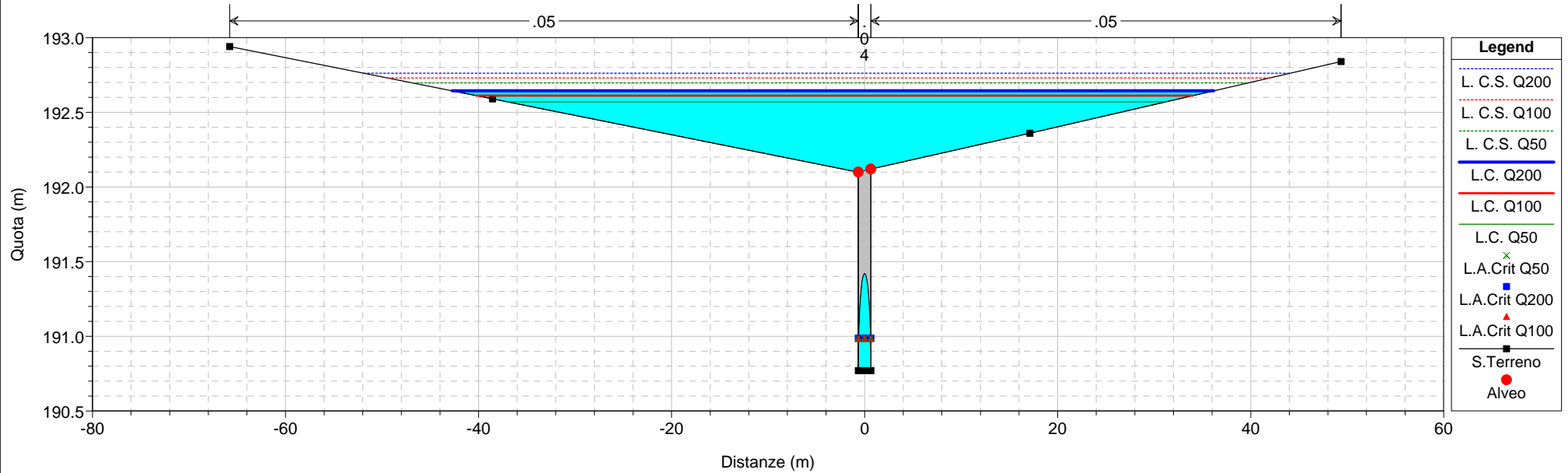
# Affluente T. Volpe\_S.di.F.

Attraversamento esistente con tombino semicircolare



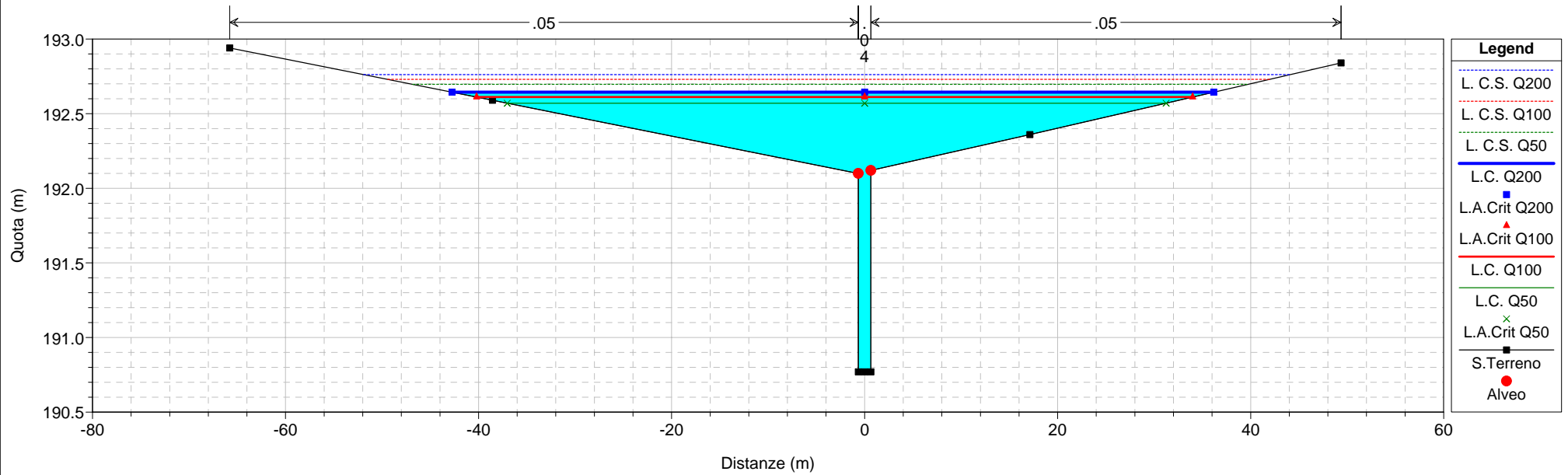
# Affluente T. Volpe\_S.di.F.

Attraversamento esistente con tombino semicircolare

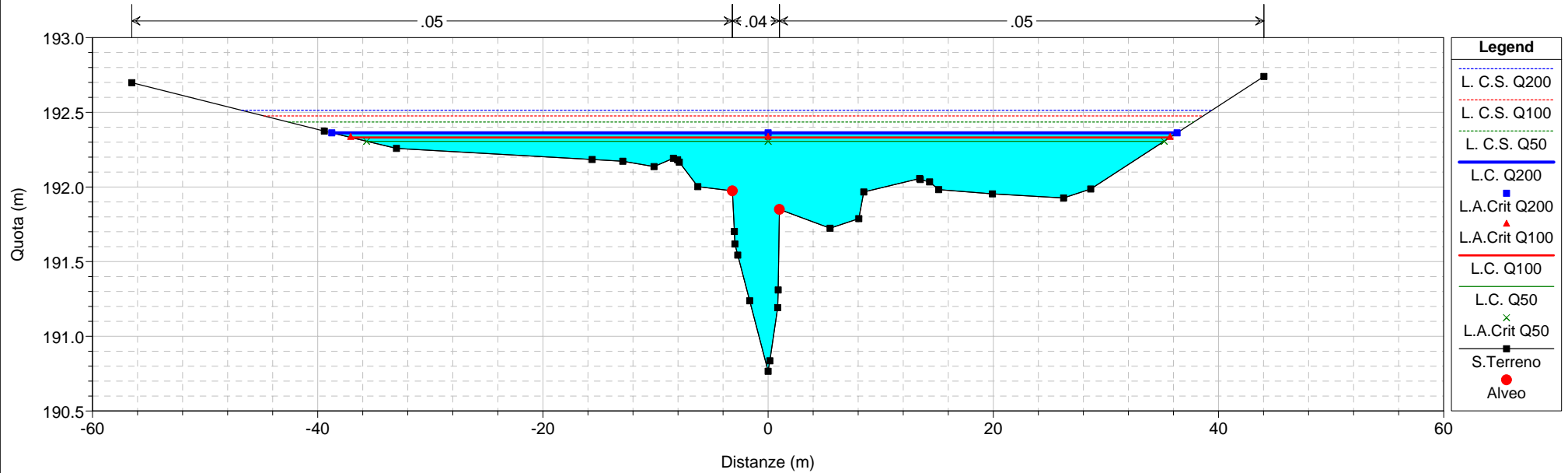




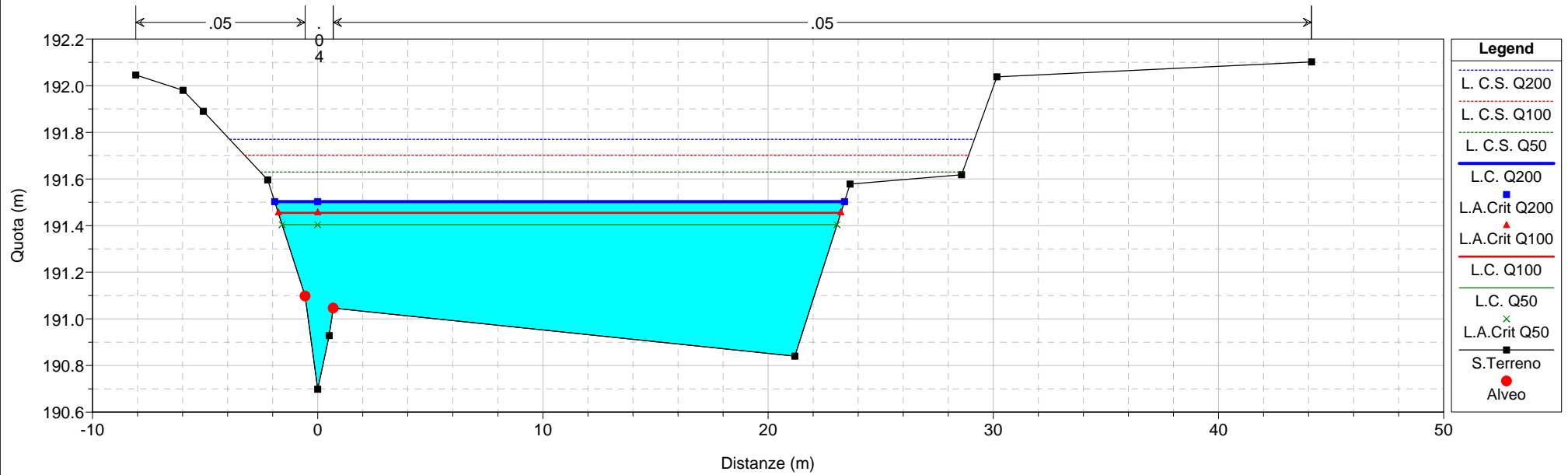
Affluente T. Volpe\_S.di.F.  
S. 5



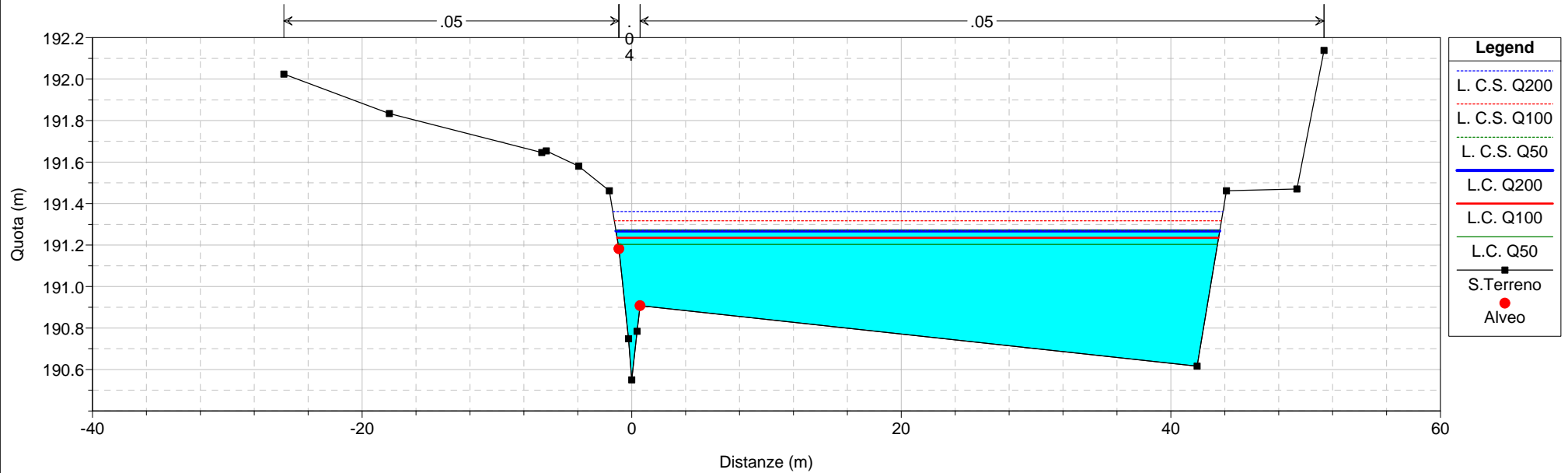
Affluente T. Volpe\_S.di.F.  
S. 6



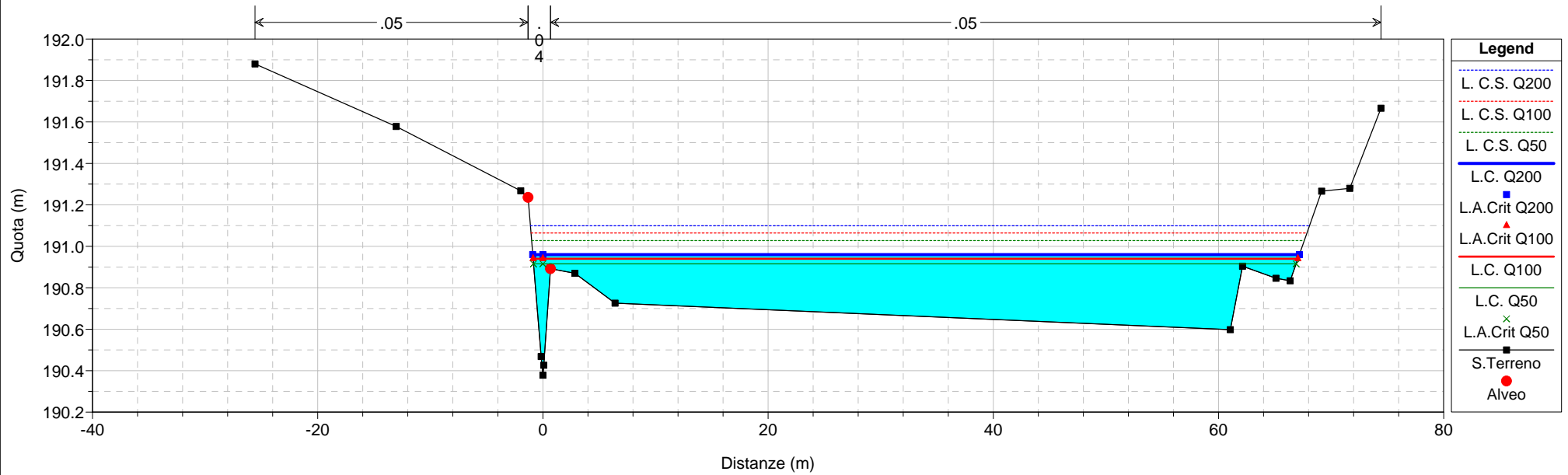
Affluente T. Volpe\_S.di.F.  
S. 7



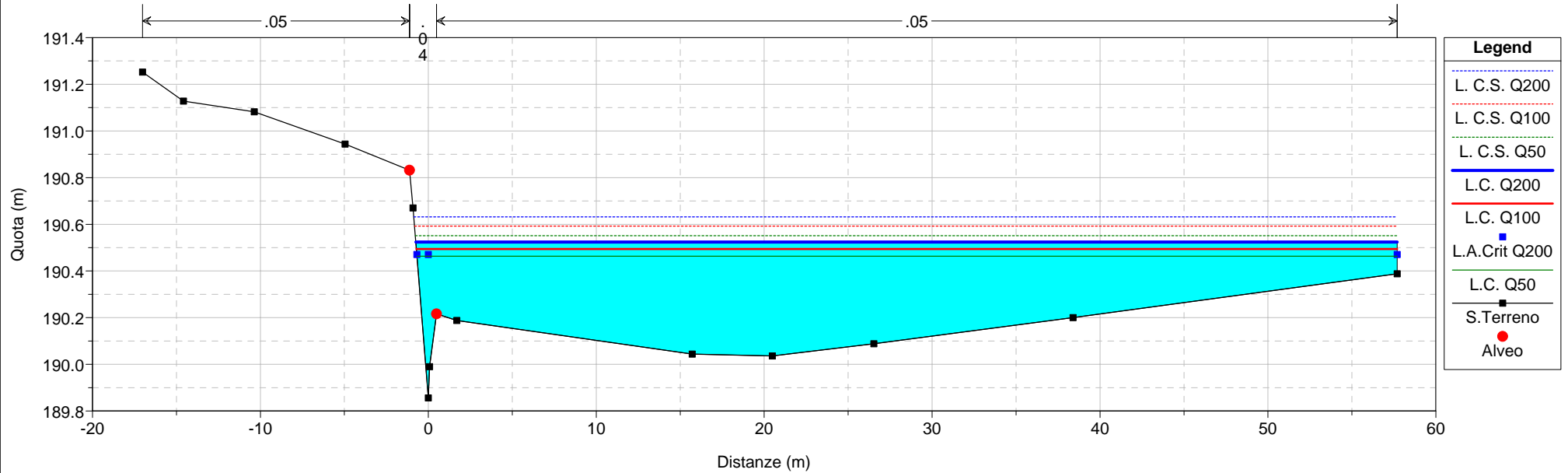
Affluente T. Volpe\_S.di.F.  
S. 8



Affluente T. Volpe\_S.di.F.  
S. 9



Affluente T. Volpe\_S.di.F.  
S. 10



Affluente T. Volpe\_S.di.F.  
S. 11

