

## AUTOSTRADA (A12): GENOVA - ROMA

### COLLEGAMENTO TRA LA VALFONTANABUONA E L'AUTOSTRADA A12 GENOVA-ROMA

## PROGETTO DEFINITIVO

### DOCUMENTAZIONE GENERALE

### STUDIO DI IMPATTO AMBIENTALE

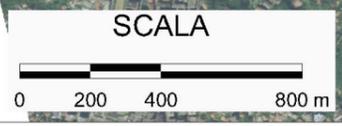
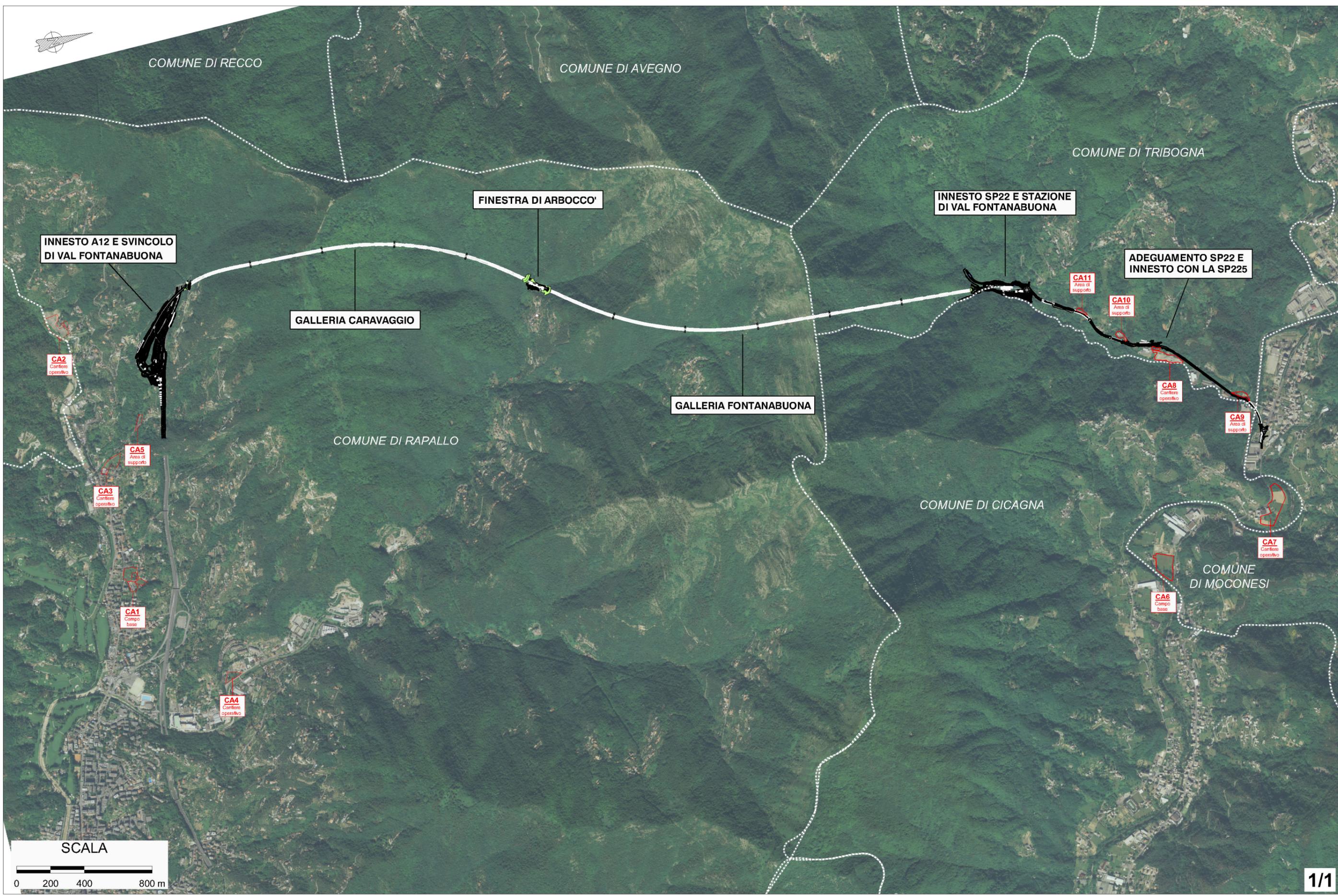
### TAVOLE ALLEGATE

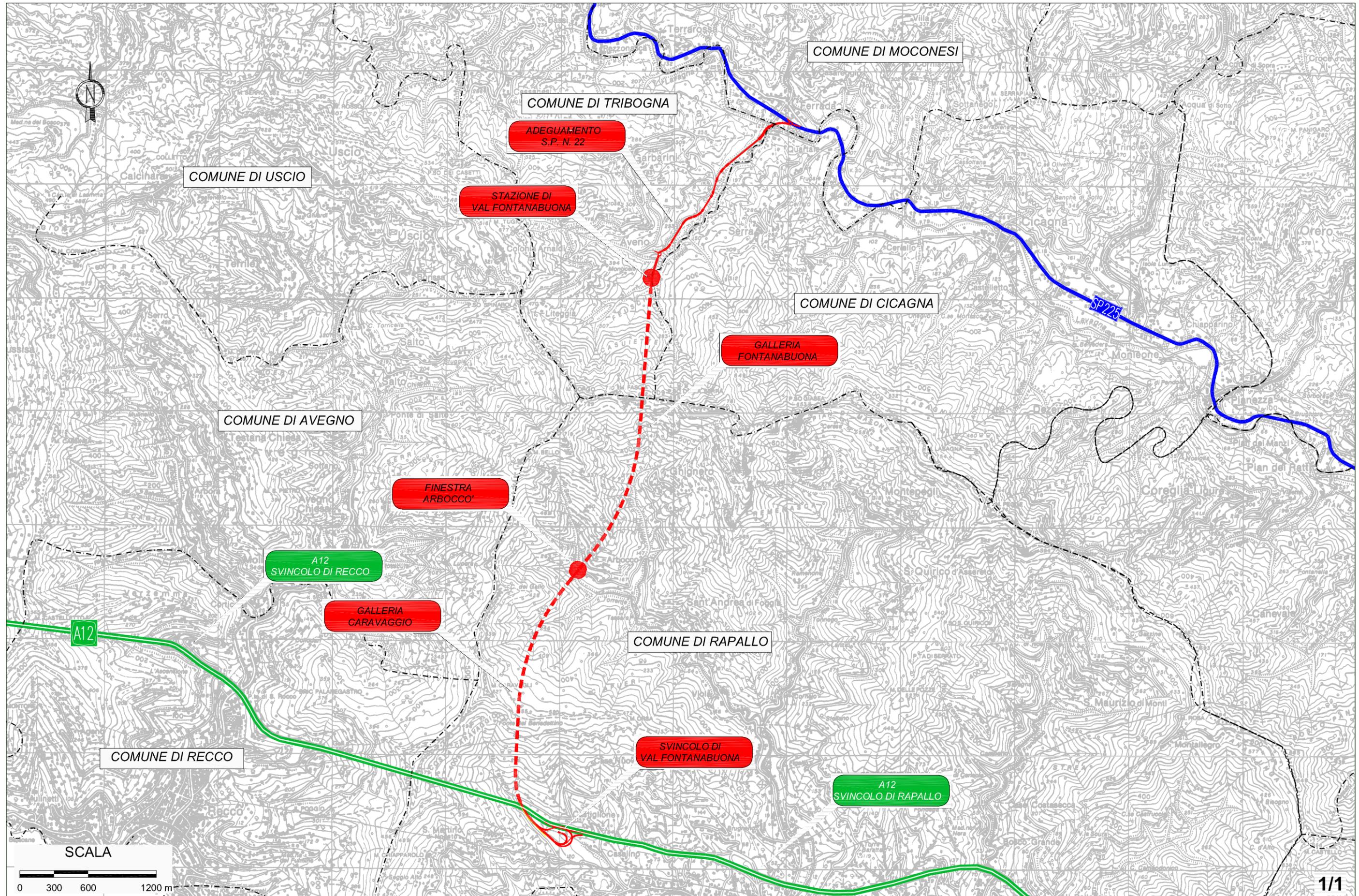
<b>IL PROGETTISTA SPECIALISTICO</b>  Ing. Sara Frisiani Ord. Ingg. Genova N. 9810A  Responsabile Studi Ambientali	<b>IL RESPONSABILE INTEGRAZIONE PRESTAZIONI SPECIALISTICHE</b>  Ing. Andrea Federico Ceppi Ord. Ingg. Milano N. A26059	<b>IL DIRETTORE TECNICO</b>  Ing. Sara Frisiani Ord. Ingg. Genova N. 9810A  T.A. Ambiente
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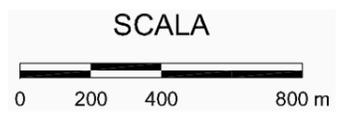
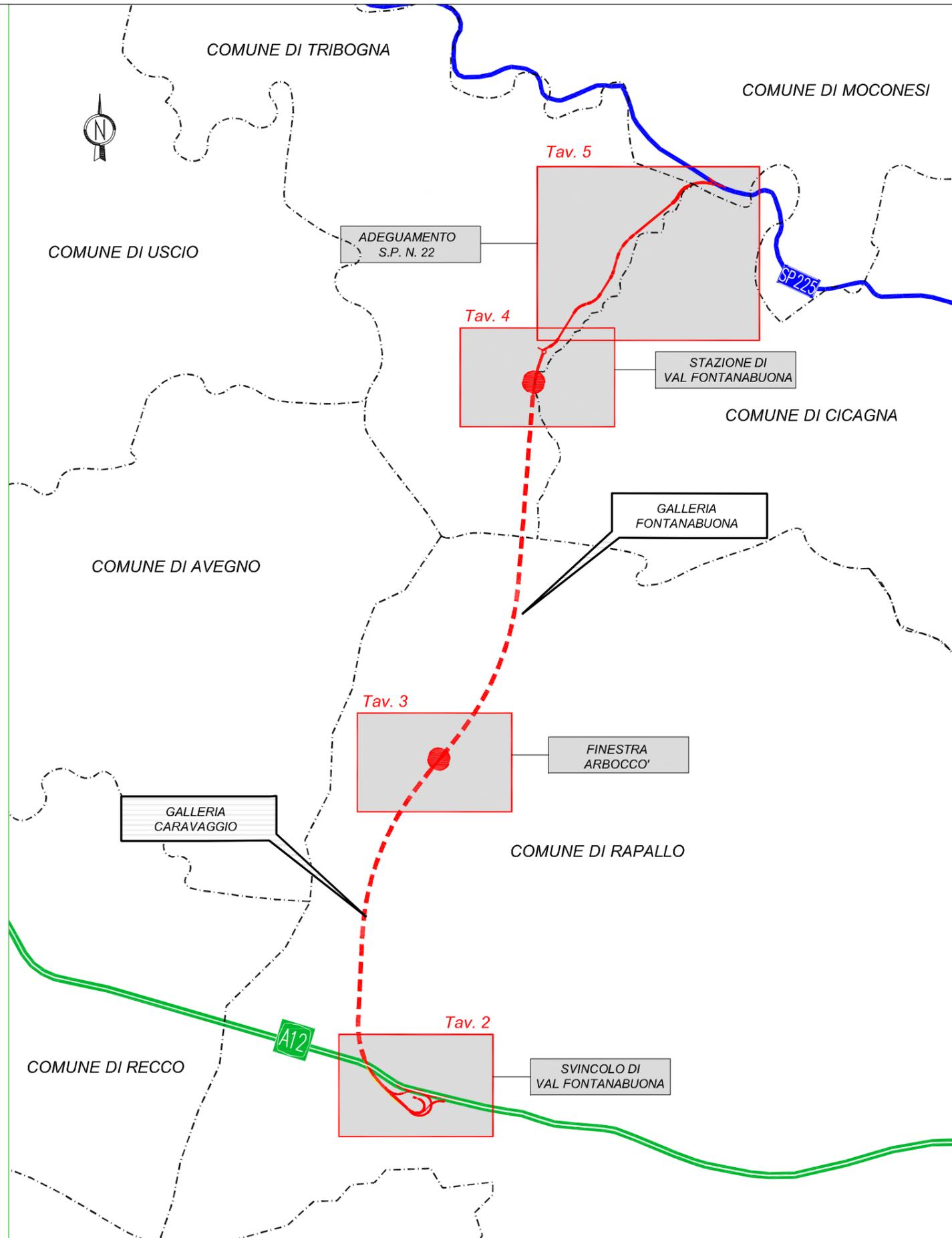
CODICE IDENTIFICATIVO											ORDINATORE
RIFERIMENTO PROGETTO			RIFERIMENTO DIRETTORIO				RIFERIMENTO ELABORATO				4/8
Codice Commessa	Lotto, Sub-Prog. Cod. Appalto	Fase	Capitolo	Paragrafo	W B S	Parte d'opera	Tip.	Disciplina	Progressivo	Rev.	SCALA
1100A3	LL00	PD	DG	SIA	00000	00000	D	AMB	0002	-	-

	<b>ENGINEER COORDINATOR:</b>  Ing. Andrea Federico Ceppi Ord. Ingg. Milano N. A26059	<b>SUPPORTO SPECIALISTICO:</b>	<b>REVISIONE</b>	
			n.	data
			0	MARZO 2022
<b>REDATTO:</b>		<b>VERIFICATO:</b>		

	<b>VISTO DEL COMMITTENTE</b>    IL RESPONSABILE UNICO DEL PROCEDIMENTO Laura Tripoli	<b>VISTO DEL CONCEDENTE</b>    Ministero delle Infrastrutture e della mobilità sostenibile DIPARTIMENTO PER LA PROGRAMMAZIONE, LE INFRASTRUTTURE DI TRASPORTO A RETE E I SISTEMI INFORMATIVI
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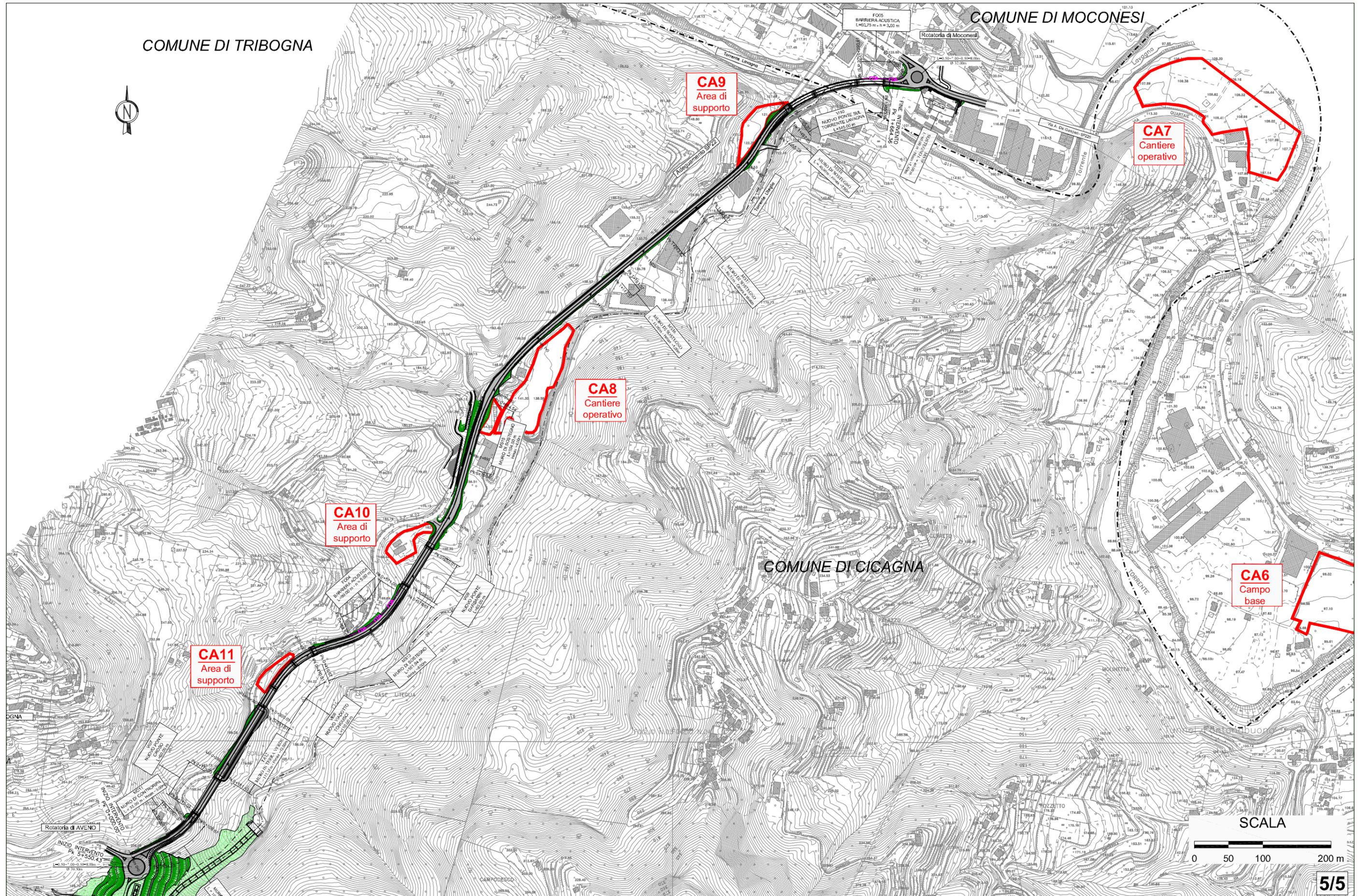




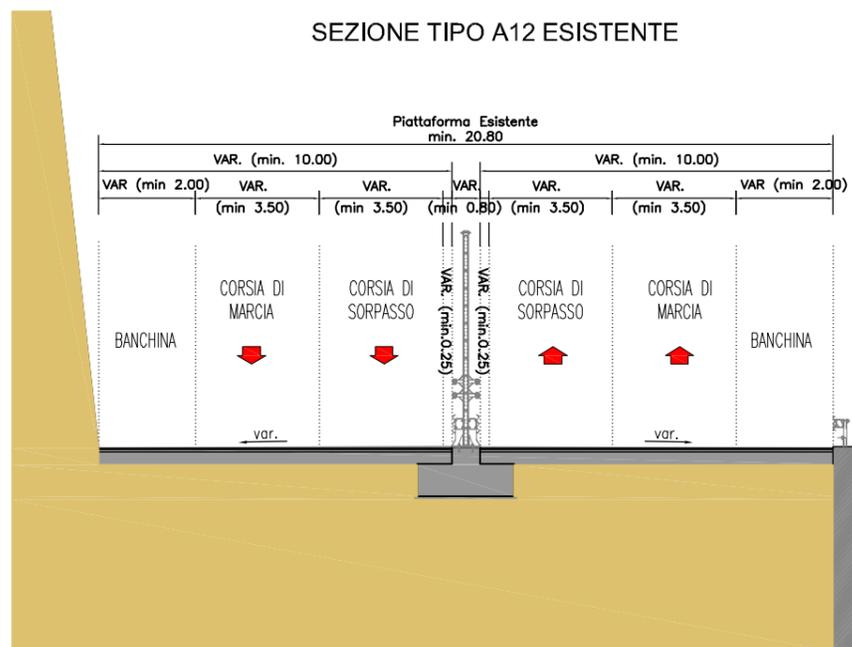
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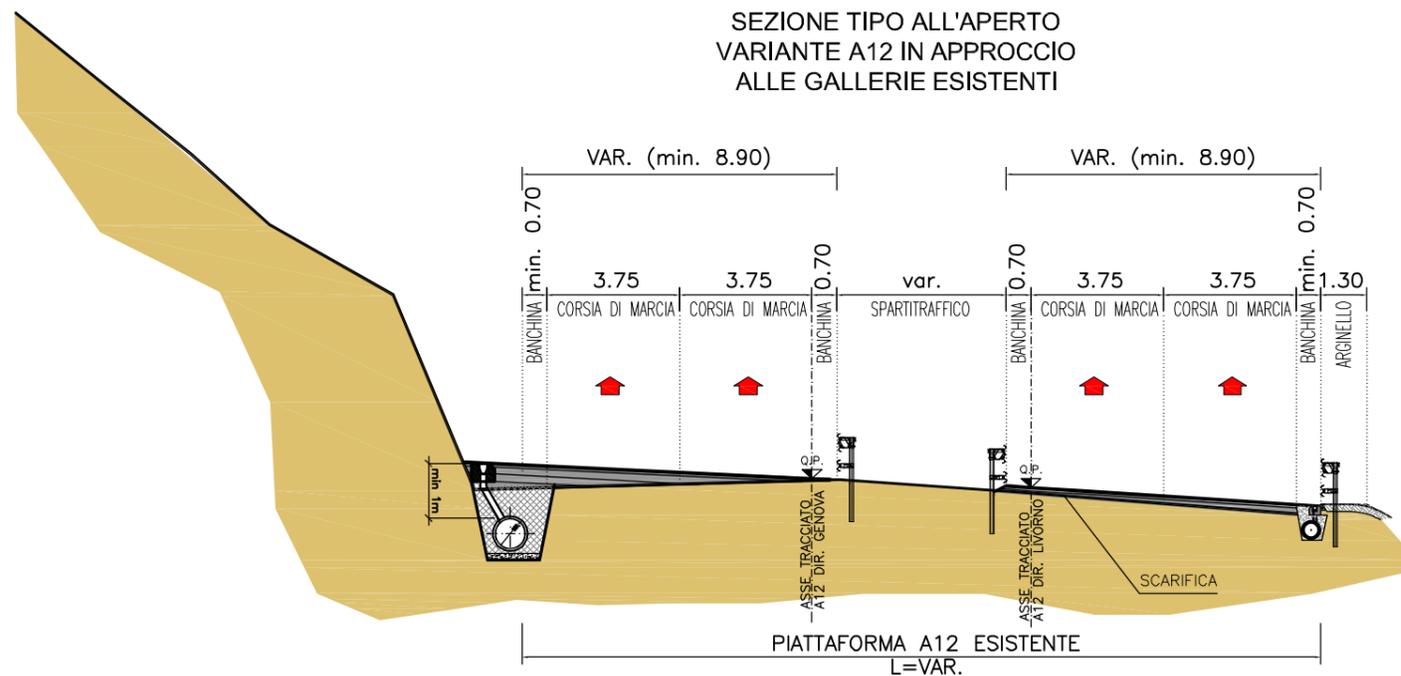




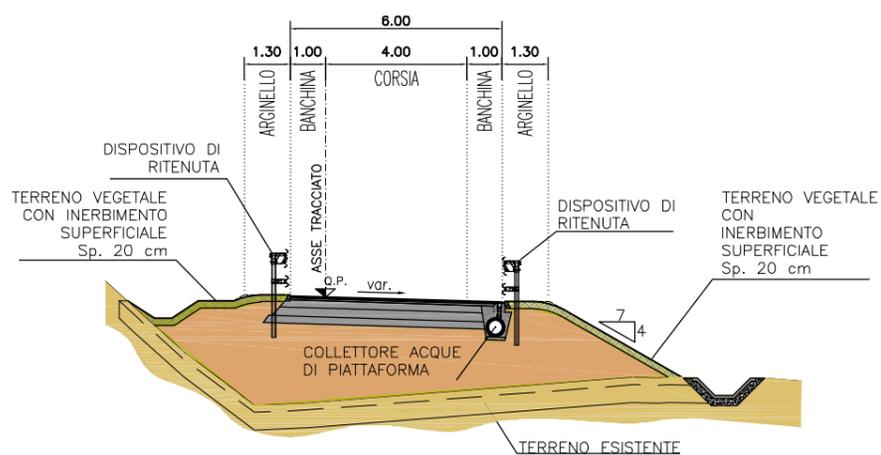
SEZIONE TIPO A12 ESISTENTE



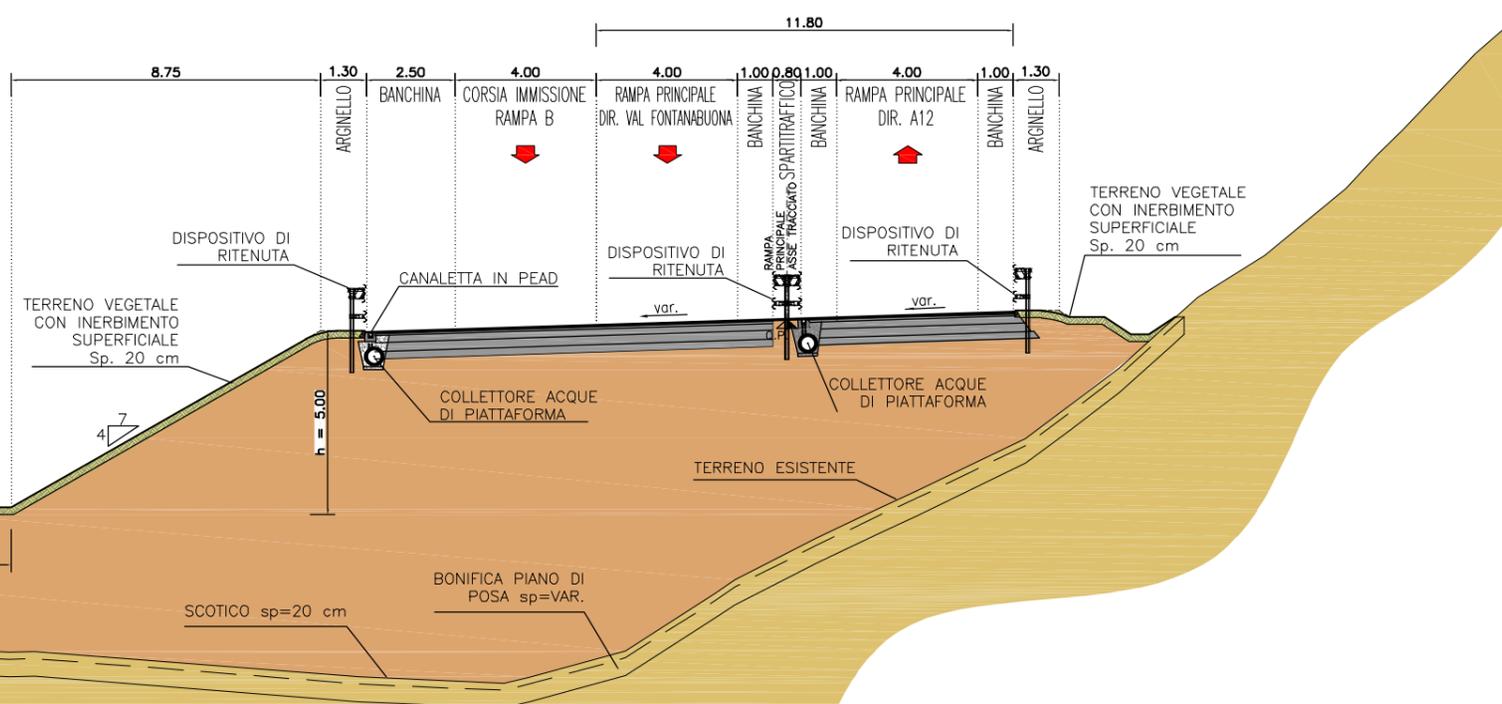
SEZIONE TIPO ALL'APERTO  
VARIANTE A12 IN APPROCCIO  
ALLE GALLERIE ESISTENTI



SEZIONE TIPO ALL'APERTO  
RAMPE DI SVINCOLO



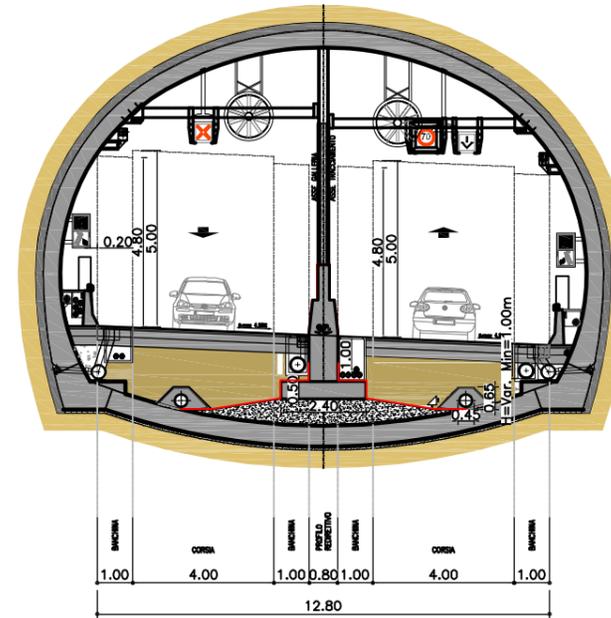
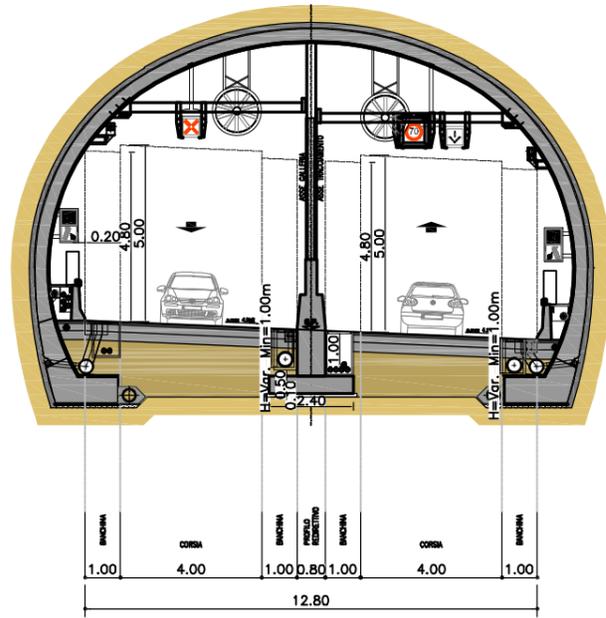
SEZIONE TIPO ALL'APERTO  
RAMPA PRINCIPALE



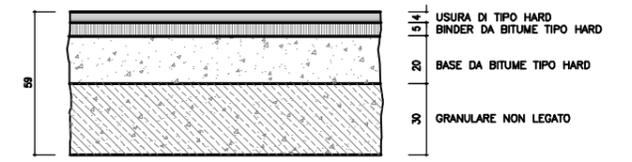
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GALLERIA CARAVAGGIO

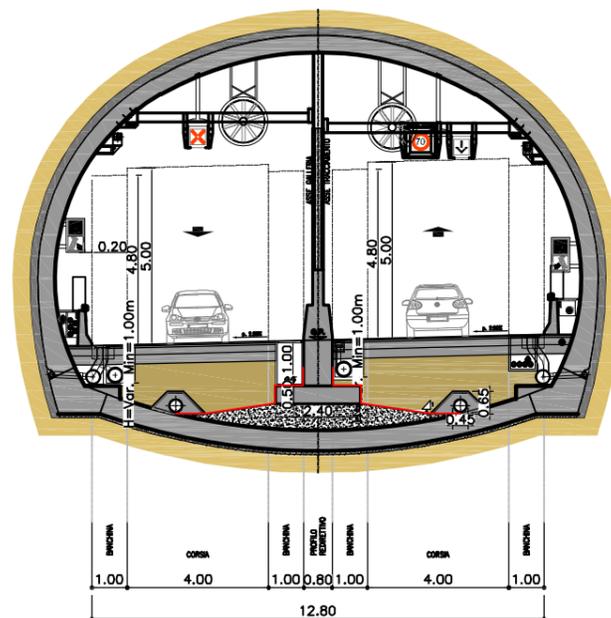
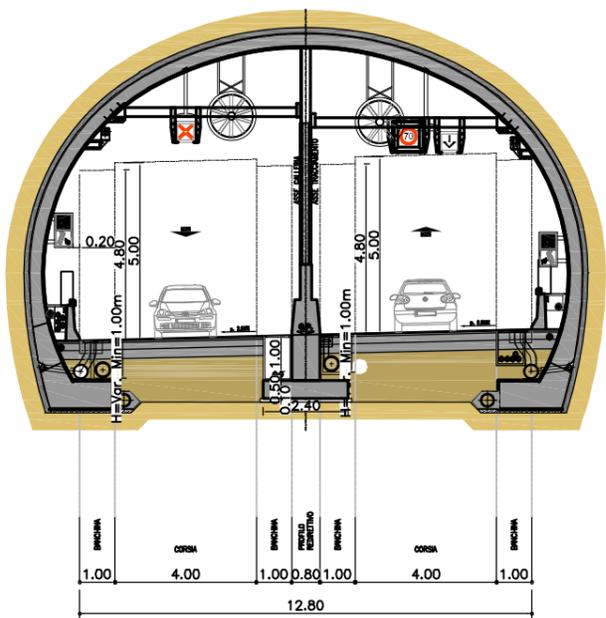


PARTICOLARE PAVIMENTAZIONE



N.B. È PREVISTA LA STESA DEL SUDDETTO PACCHETTO SU UN SOTTOFONDO DI 20 cm STABILIZZATO IN SITO CON CEMENTO (MODULO DEL SOTTOFONDO 230 MPa)

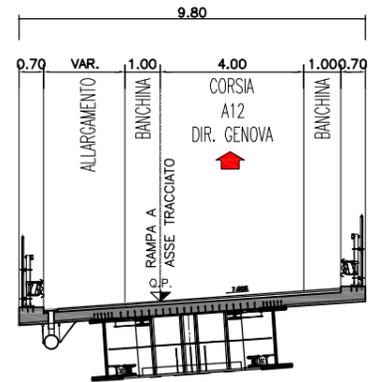
GALLERIA FONTANABUONA



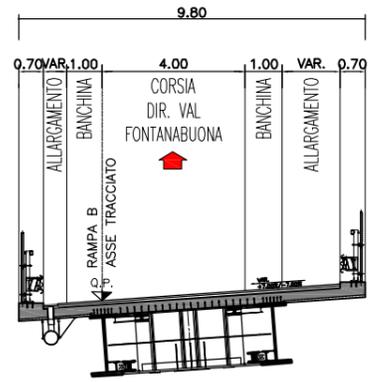
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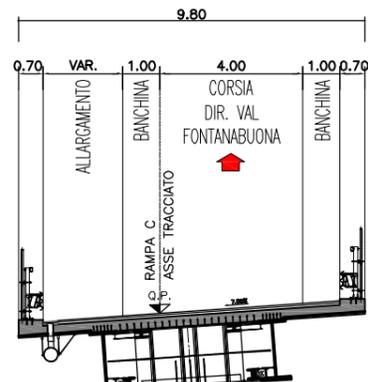
SEZIONE TIPO SU VIADOTTO  
RAMPA A



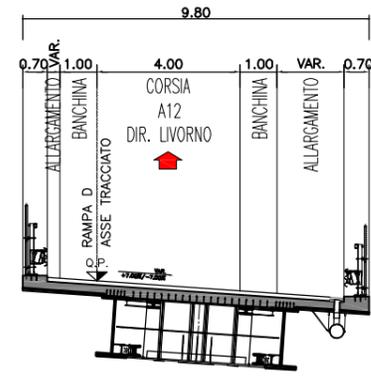
SEZIONE TIPO SU VIADOTTO  
RAMPA B



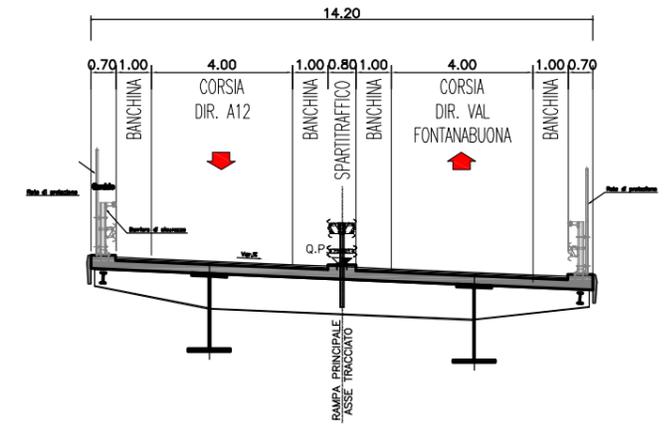
SEZIONE TIPO SU VIADOTTO  
RAMPA C



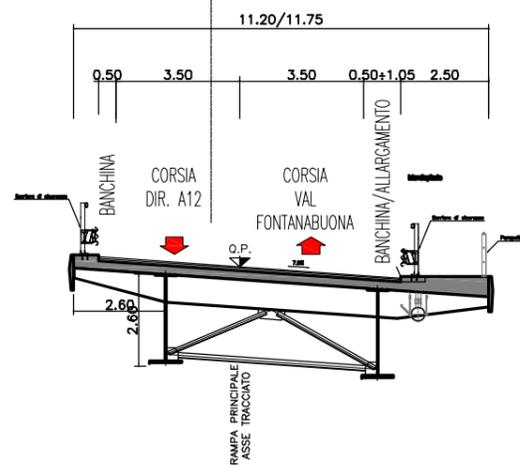
SEZIONE TIPO SU VIADOTTO  
RAMPA D



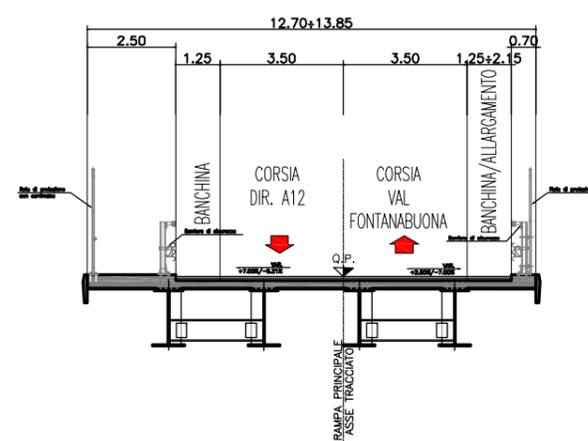
SEZIONE TIPO SU VIADOTTI  
SCAVALCO A12 e T. LITEGLIA



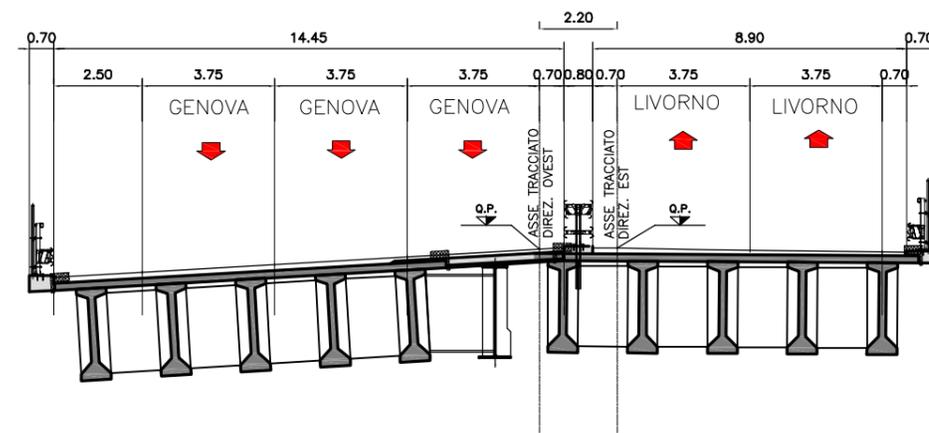
SEZIONE TIPO VIADOTTO SUL  
TORRENTE LAVAGNA  
S.P.22



SEZIONE TIPO SU VIADOTTI  
CROSO, TONGUSCI E  
GARBARINI  
S.P.22



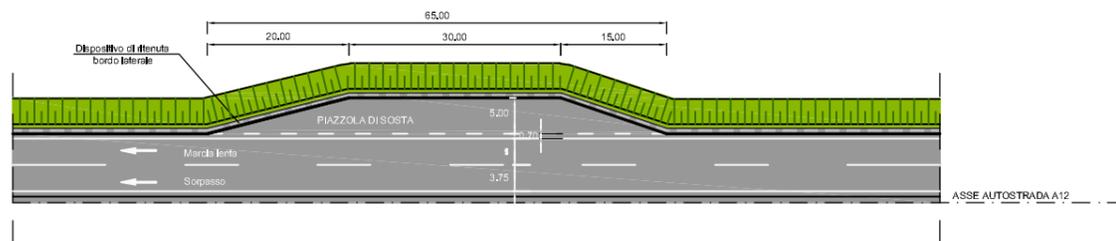
SEZIONE TIPO SU VIADOTTO  
RIO CASALINO



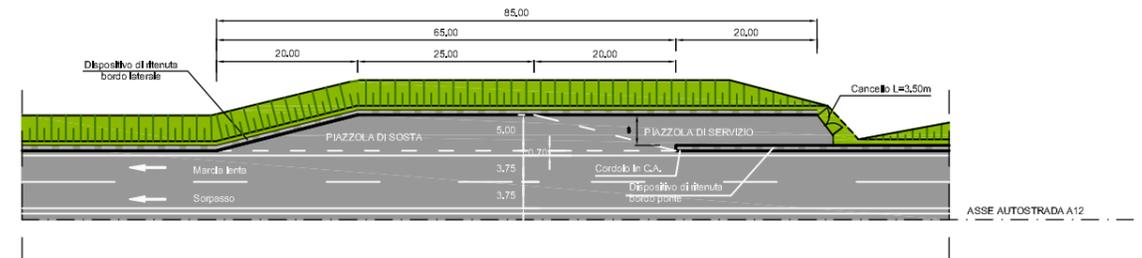
SCALA



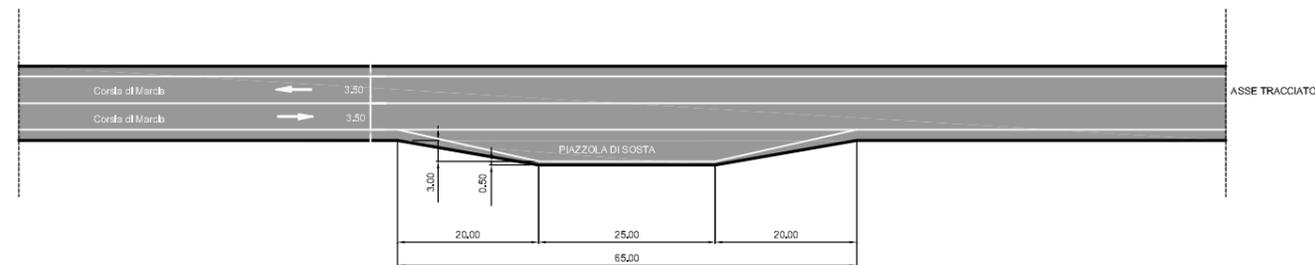
PIAZZOLA DI SOSTA SU A12  
PIANTA TIPO



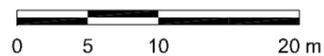
PIAZZOLA DI SERVIZIO CONNESSA A QUELLA DI SOSTA SU A12  
PIANTA TIPO



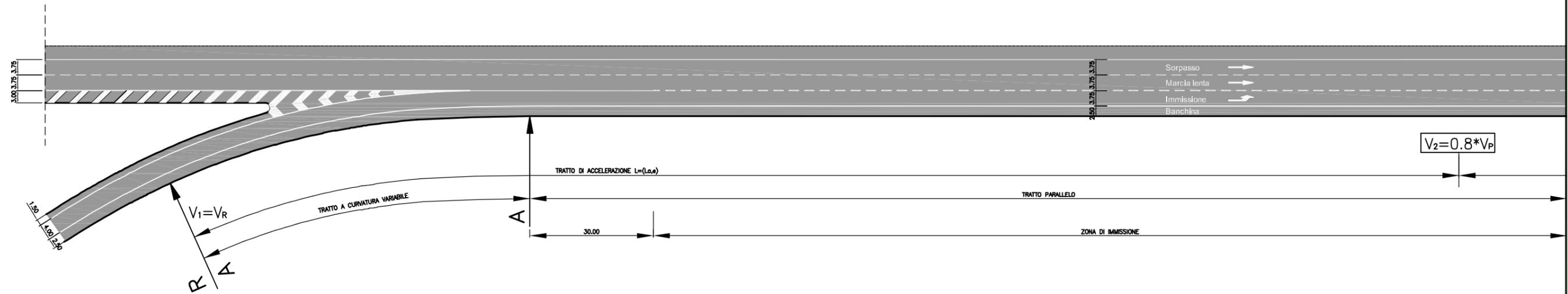
PIAZZOLA DI SOSTA SU SP22  
PIANTA TIPO



SCALA



SCHEMA PLANIMETRICO CORSIA DI ENTRATA (IMMISSIONE)

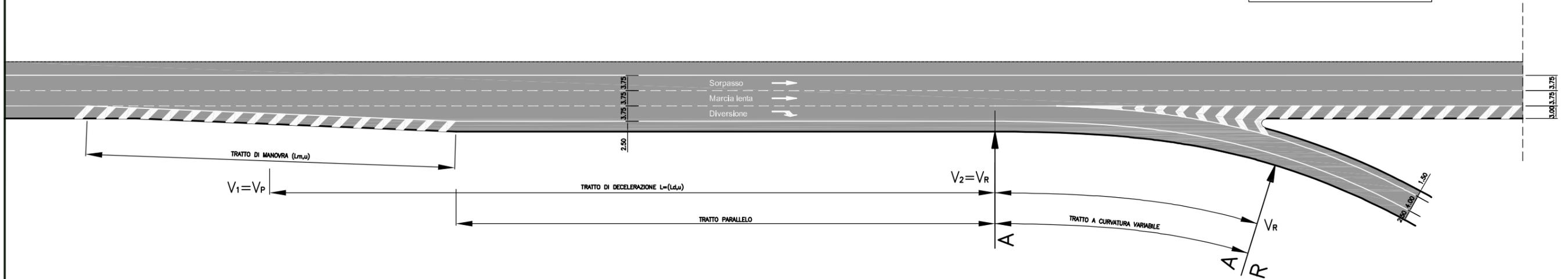


SCHEMA PLANIMETRICO CORSIA DI USCITA (DIVERSIONE) - TIPOLOGIA PARALLELA

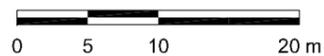
$$L_{d,u} = \frac{V_1^2 - V_2^2}{2a} \quad L_{a,e} = \frac{V_2^2 - V_1^2}{2a}$$

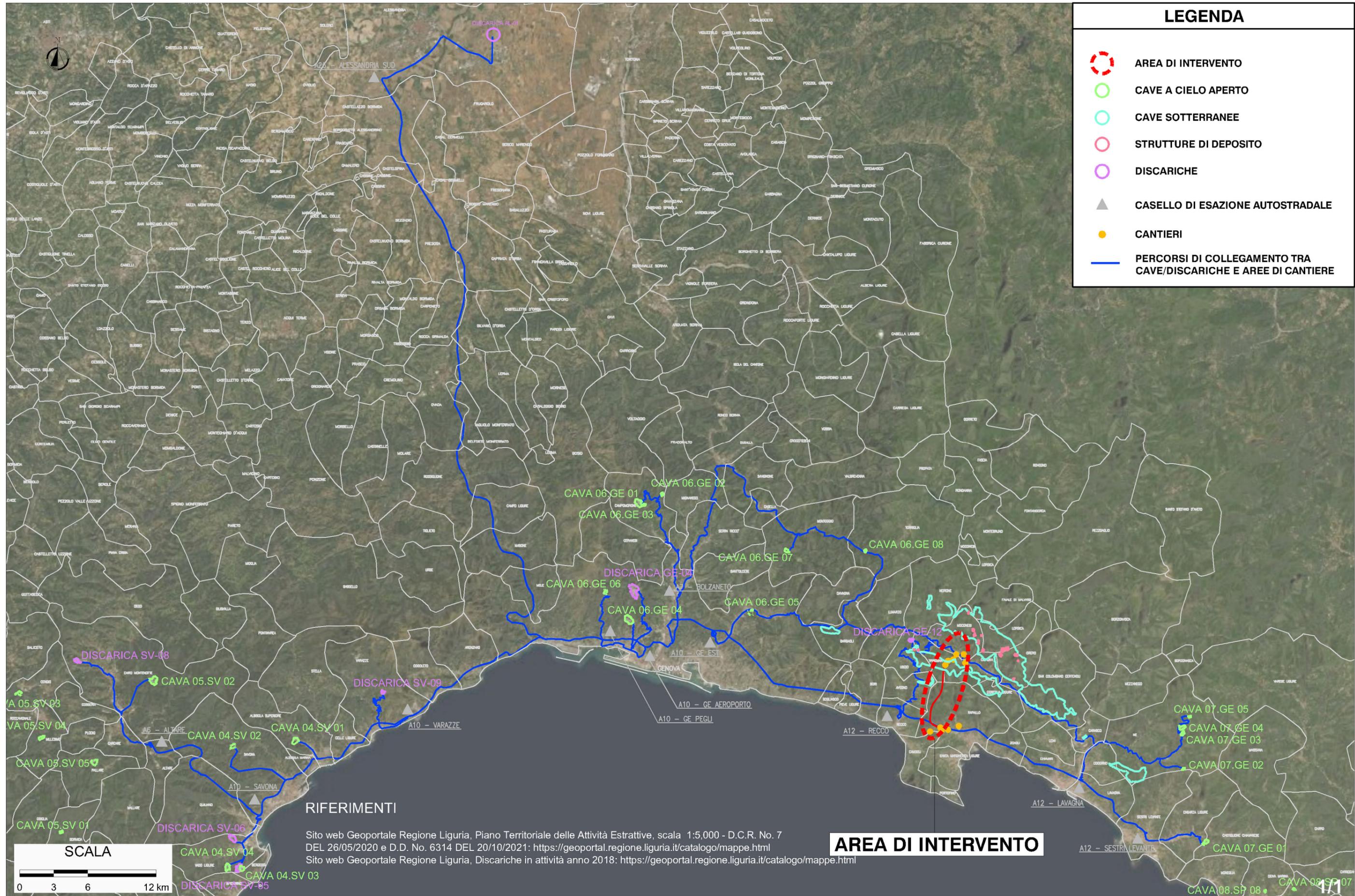
con:

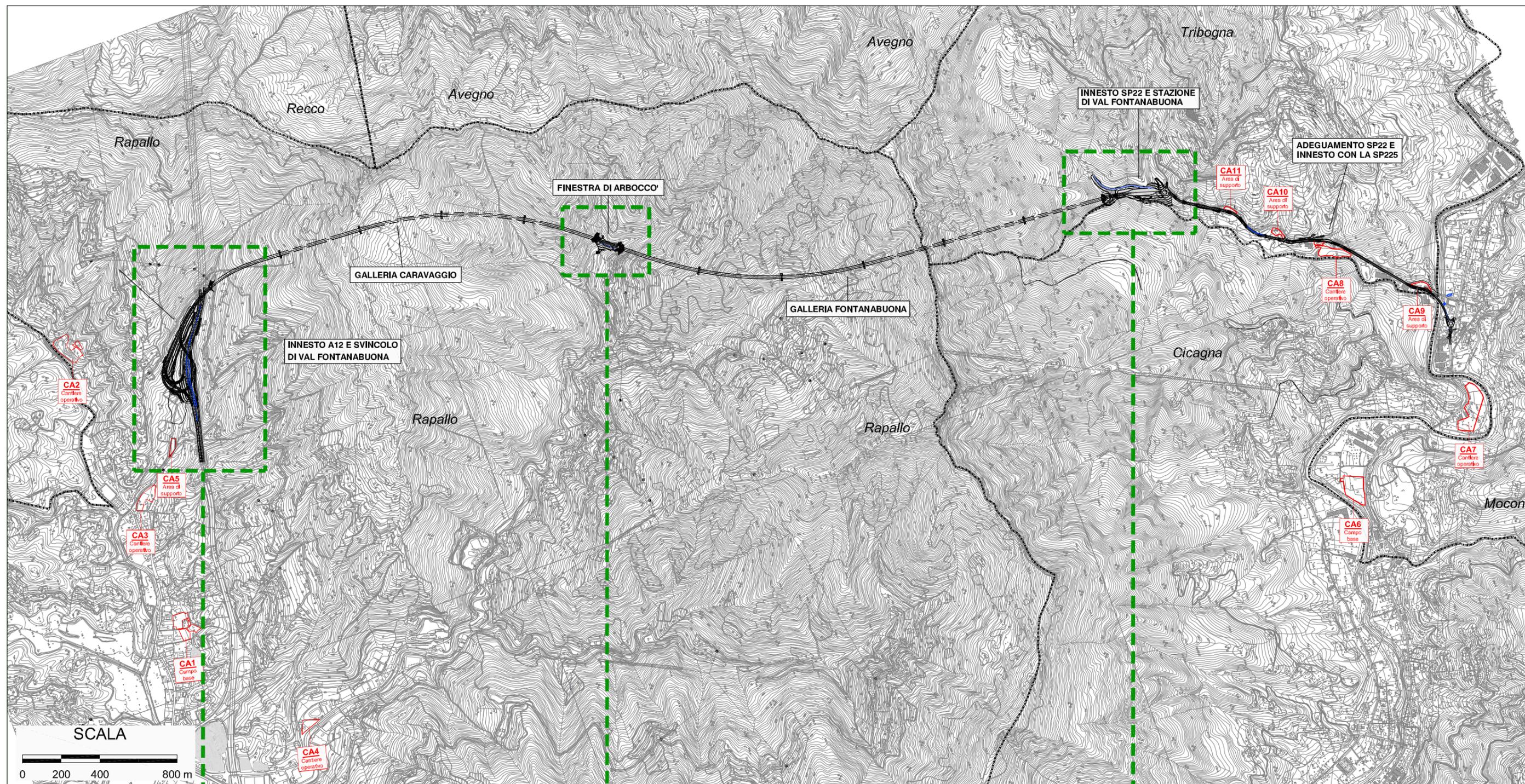
- $a = 3 \text{ m/s}^2$  per  $L_{d,u}$
- $a = 1 \text{ m/s}^2$  per  $L_{a,e}$



SCALA







**VARIANTE A12 E SVINCOLO**  
MAM-QPGT-MIT-002  
MAM-QPGT-MIT-003  
**IMBOCCO GALLERIA CARAVAGGIO  
LATO RAPALLO**  
MAM-QPGT-MIT-004  
MAM-QPGT-MIT-005

**IMBOCCO GALLERIA CARAVAGGIO  
LATO FINESTRA ARBOCCO'**  
MAM-QPGT-MIT-004  
MAM-QPGT-MIT-005  
**FINESTRA ARBOCCO'**  
MAM-QPGT-MIT-006  
MAM-QPGT-MIT-007  
**IMBOCCO GALLERIA FONTANABUONA  
LATO FINESTRA ARBOCCO'**  
MAM-QPGT-MIT-008  
MAM-QPGT-MIT-009

**IMBOCCO GALLERIA FONTANABUONA  
LATO FONTANABUONA**  
MAM-QPGT-MIT-008  
MAM-QPGT-MIT-009  
**CASELLO DI VAL FONTANABUONA**  
MAM-QPGT-MIT-010  
MAM-QPGT-MIT-011