



Questo progetto è cofinanziato dall'Unione europea (TEN-T)

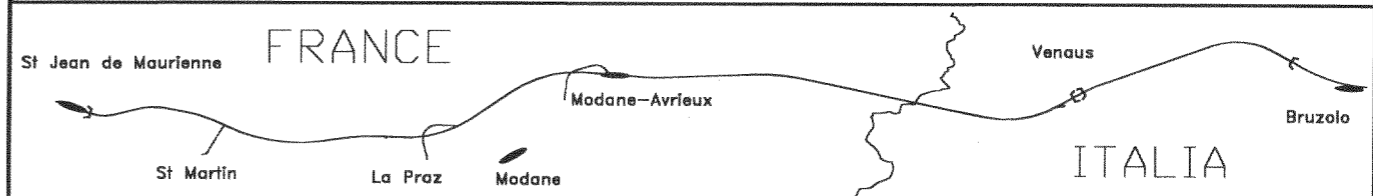


Ce projet est cofinancé par l'Union européenne (RTE-T)

Groupement
TSE
Lyon Turin

NUOVO COLLEGAMENTO FERROVIARIO TRANSALPINO TORINO - LIONE
NOUVELLE LIAISON FERROVIAIRE TRANSALPINE LYON - TURIN
TRATTA CONFINE DI STATO ITALIA/FRANCIA - BRUZOLO

INFRASTRUTTURE FERROVIARIE STRATEGICHE
DEFINITE DALLA LEGGE OBIETTIVO N°443/2001



PROGETTO PRELIMINARE

Scala

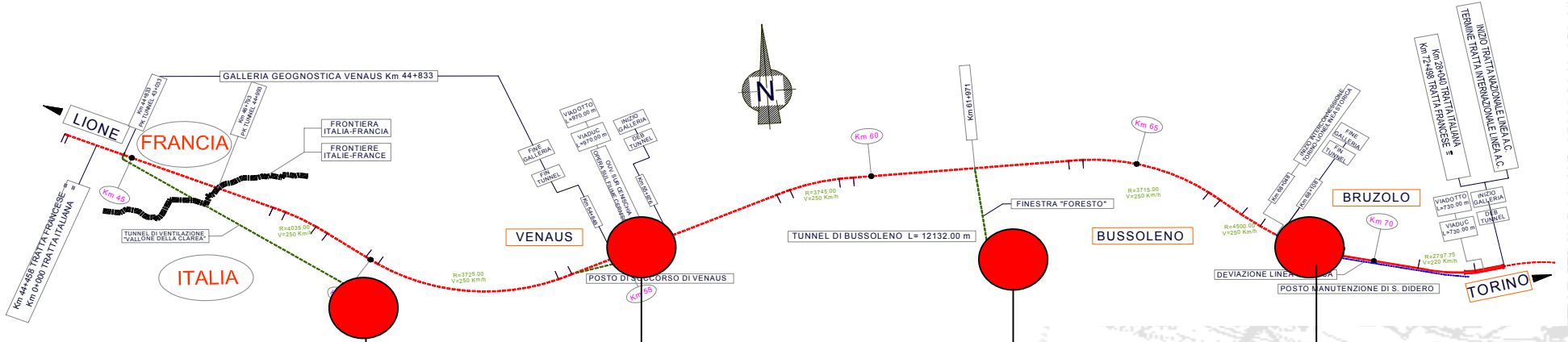
Prime proposte d'intervento ambientale per il tracciato in territorio italiano

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato
0	PRIMA_EMISSIONE	GRIECO	31/10/2002	BELLO	31/10/2002	OGNIBENE	31/10/2002	
A	EMISSIONE_FINALE	GRIECO	31/01/2003	BELLO	31/01/2003	OGNIBENE	31/01/2003	

Rif.Doc.	P	P	2	0	8	5	T	S	E	2	R	E	X	X	:	:	N	:	:	3	1	7	0	A
	fase	n° S.C.	emittente			tipo doc.	codice geografico			oggetto			n° doc.			indice								

Il progetto della linea

Le project de la ligne



Sito Val Clarea

Le site de Val Clarea

Sito Foresto

Le site de Foresto

Tratto all'aperto di Val Cenischia

Tronçon à l'air libre de Val Cenischia

Sito Bruzolo

Le site de Bruzolo



SITO VAL CLAREA

Le site de Val Clarea

NOUVELLE LIAISON FERROVIAIRE LYON-TURIN

NUOVO COLLEGAMENTO FERROVIARIO TORINO-LIONE

Etudes de développement techniques, de sécurité et d'exploitation

Studi di approfondimento tecnico, di sicurezza e di esercizio



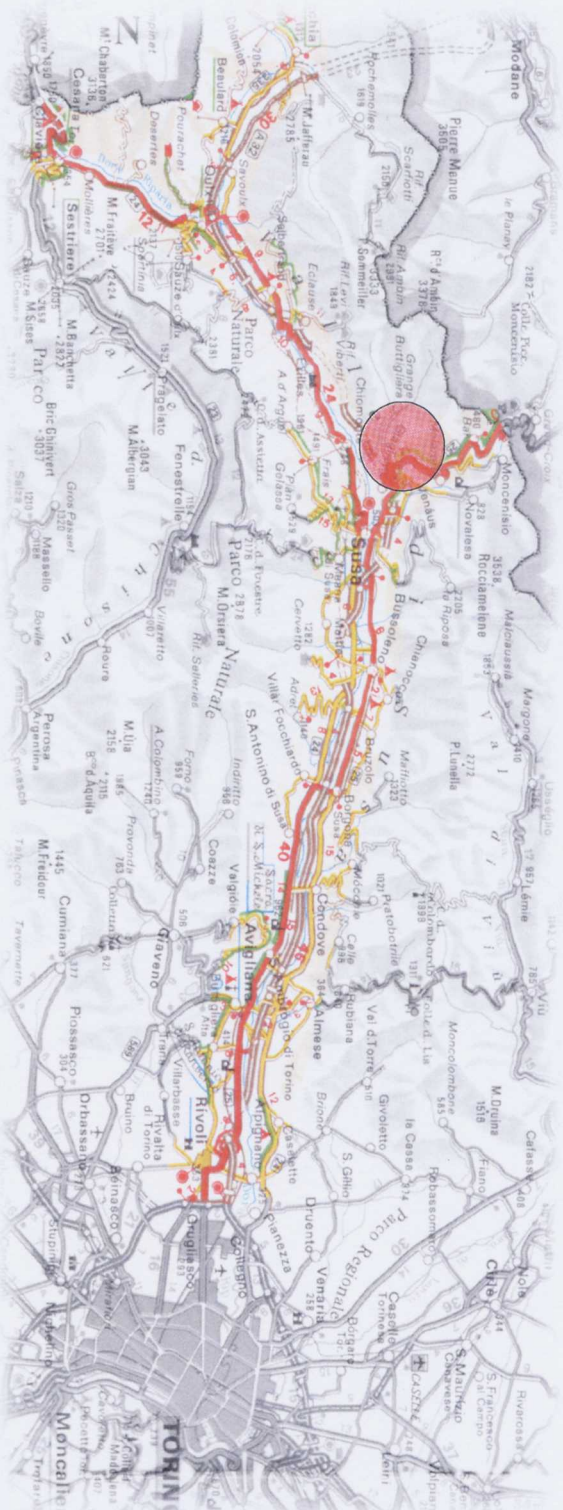
Il progetto della linea

Le project de la ligne



Planimetria di tracciamento

Schemà du tracé



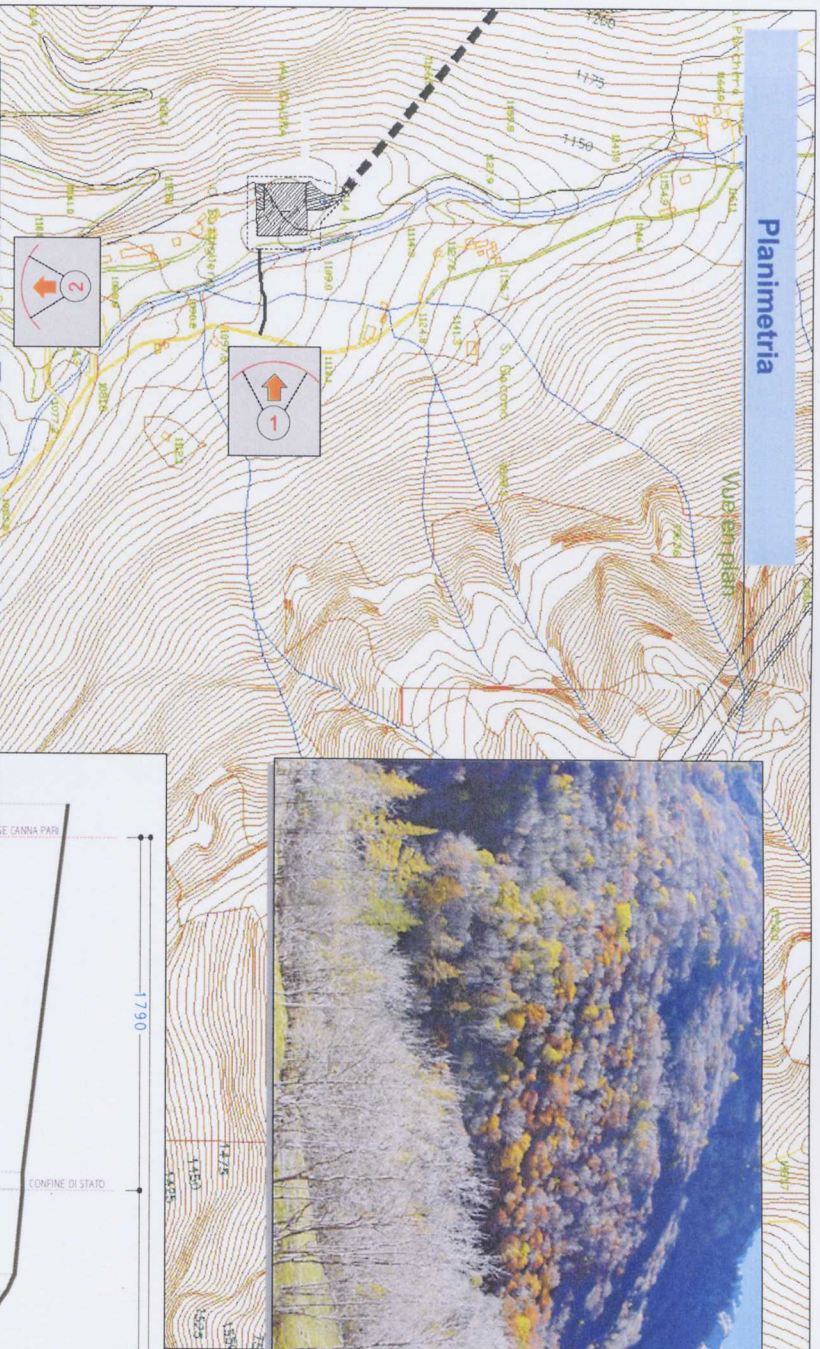
Localizzazione intervento

Localisation des ouvrages

Il sito Val Clarea

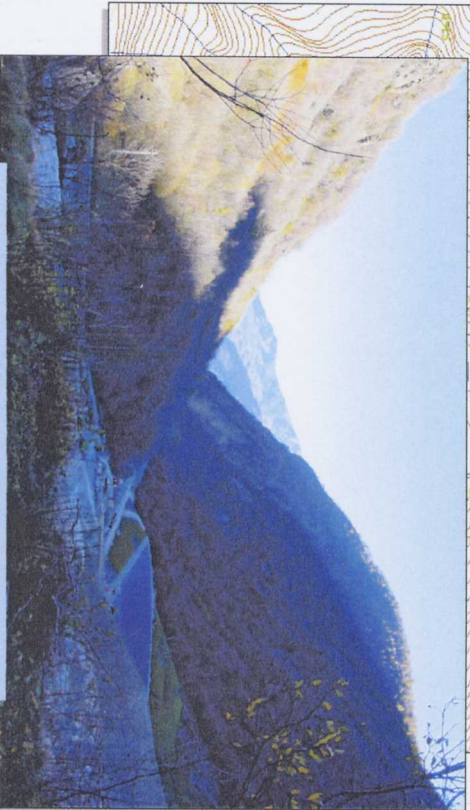
Le site de Val Clarea

Planimetria



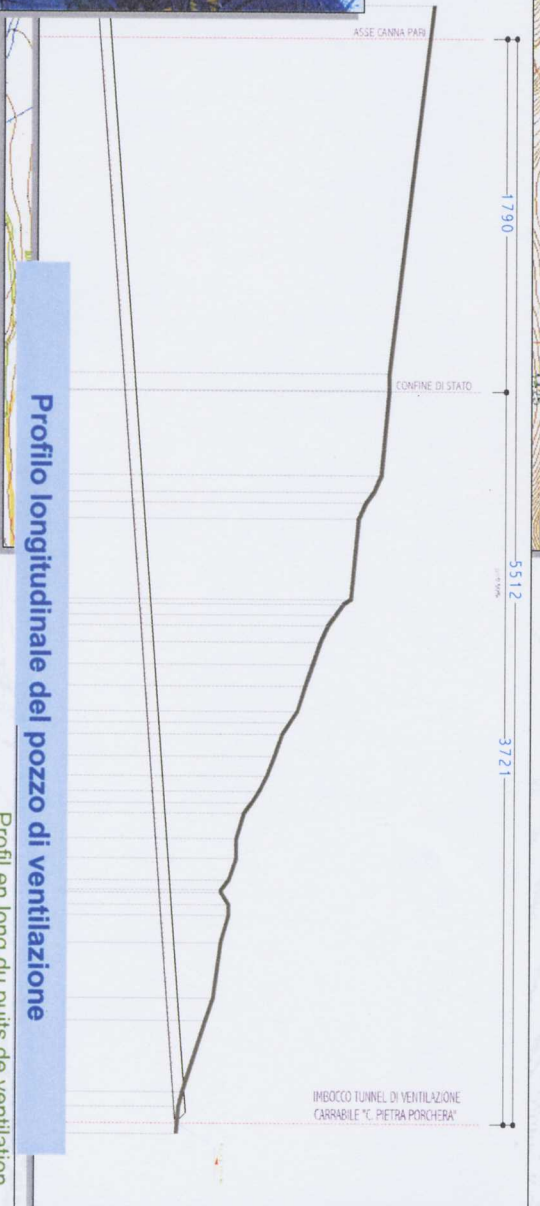
Vista 1: Sito Val Clarea

Vue 1: Site de Val Clarea



Vista 2: la Val Clarea

Vue 2: la Vallée du Clarea

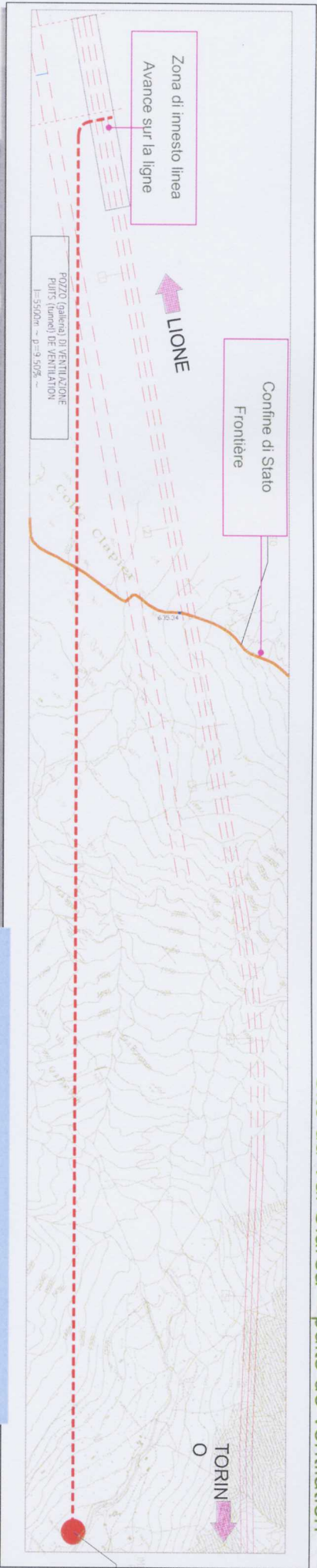


Profilo longitudinale del pozzo di ventilazione

Profil en long du puits de ventilation

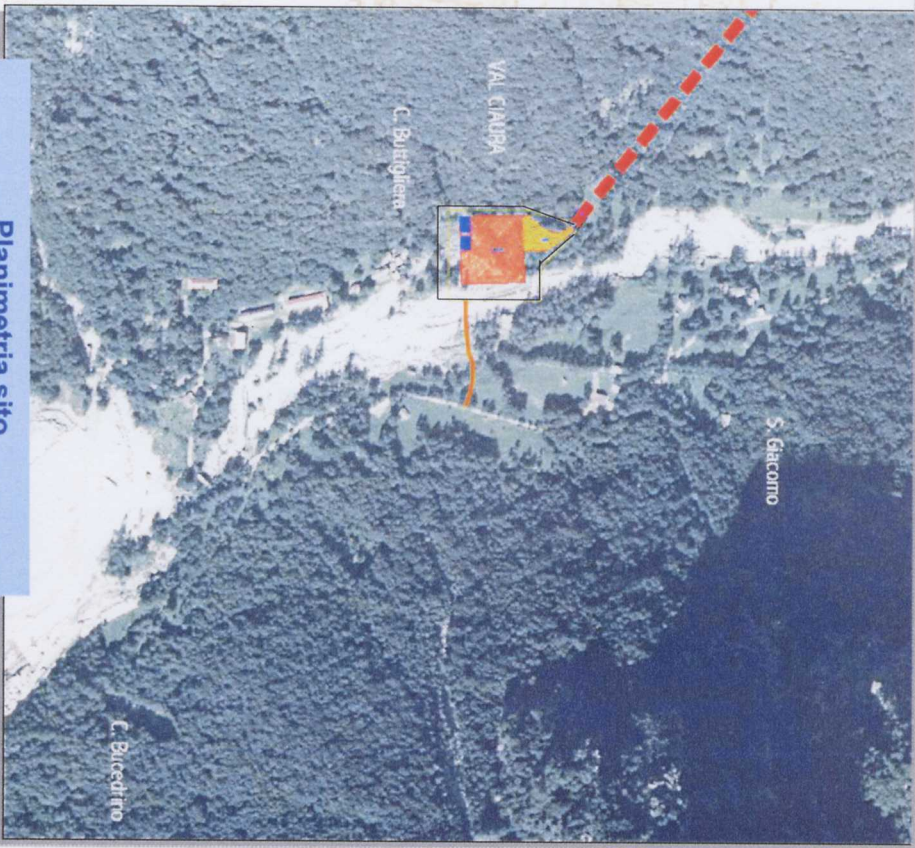
Sito Val Clarea – pozzo di ventilazione

Site du Val Clarea – puits de ventilation



Stralcio planimetrico

Planimetric (extract)



Planimetria sito

Vue en plan du site



Centrale di ventilazione

Usine de ventilation



Prospetto opere esterne

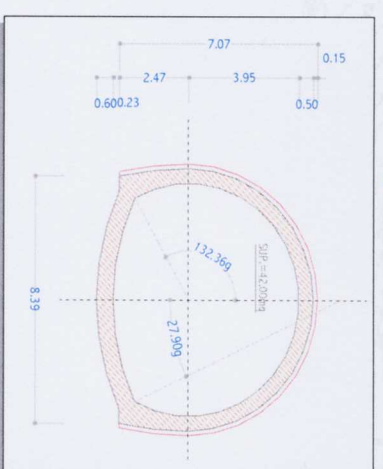
Vue ouvrages de surface



Vista assonometrica

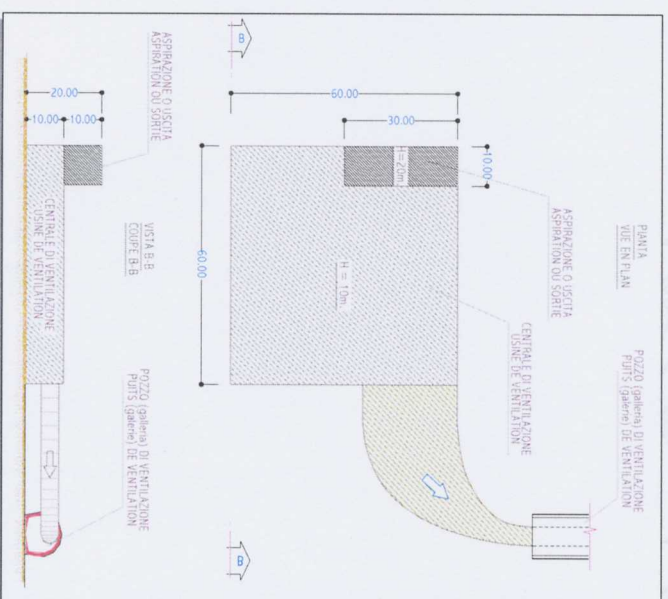
Vue axonométrique

Site du Val Clarea – Ouvrages de surface



Sezione pozzo (galleria) di ventilazione

Coupe puits (galeries) de ventilation



Opere esterne-Schema

Ouvrage de surface - Schema



TRATTO ALL'APERTO DI VAL CENISCHIA

Tronçon à l'air libre de Val
Cenischia

NOUVELLE LIAISON FERROVIAIRE LYON-TURIN

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Atraversamento Val Cenischia

Traversée de Val Cenischia

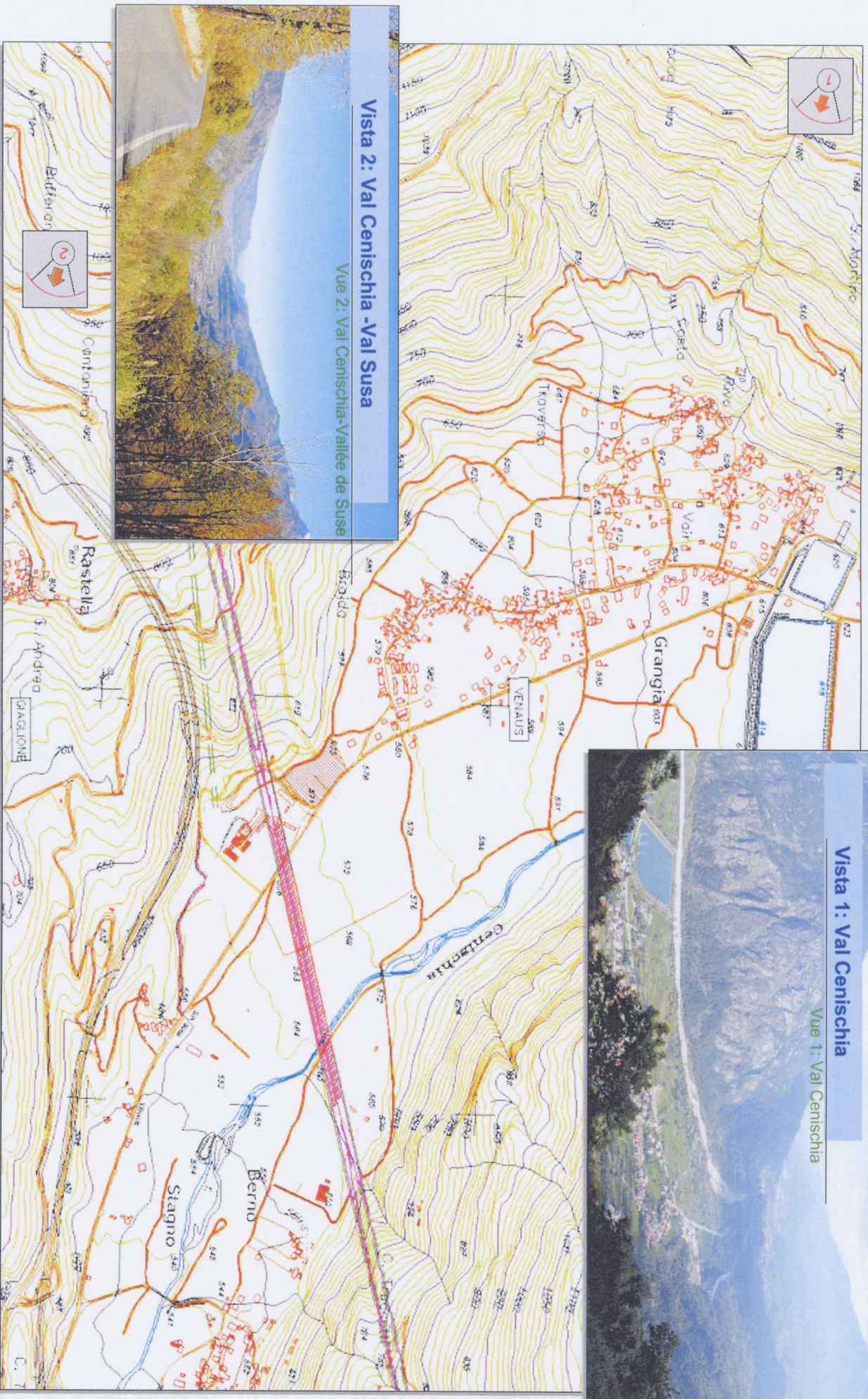
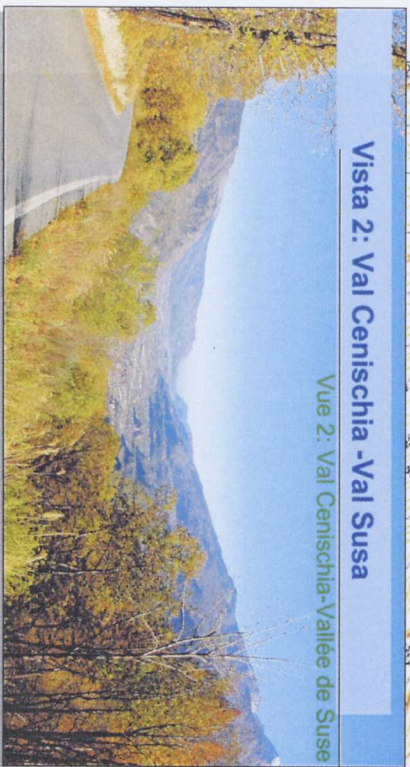
Vista 1: Val Cenischia

Vue 1: Val Cenischia



Vista 2: Val Cenischia - Val Susa

Vue 2: Val Cenischia-Vallée de Susse

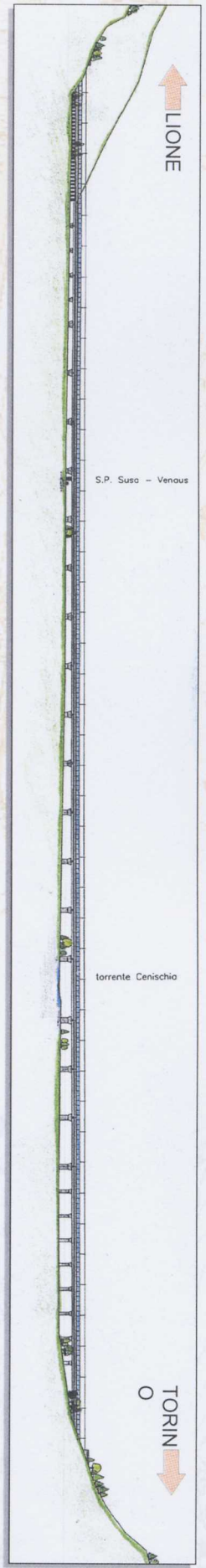


Planimetria

Vue en plan

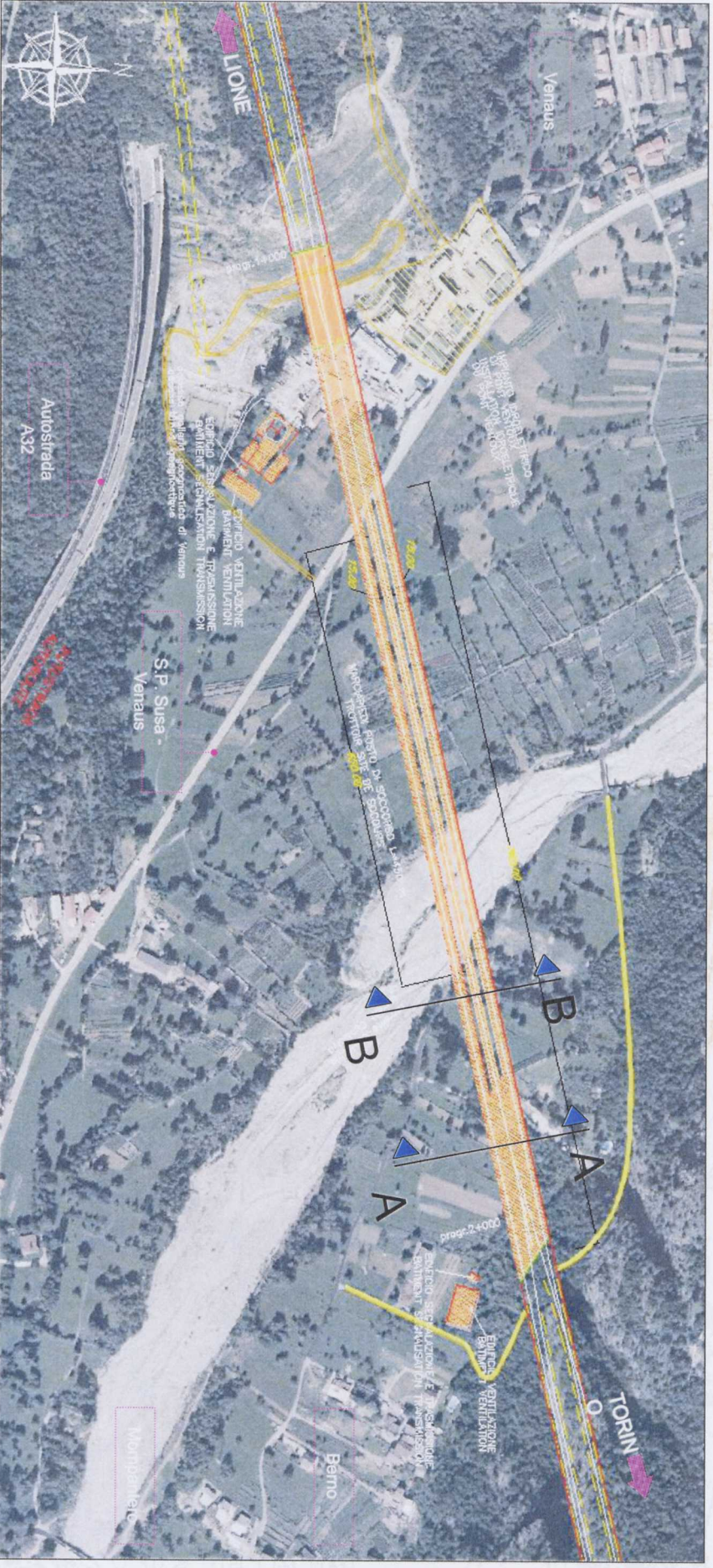
Viadotto Val Cenischia

Viaduct Val Cenischia



Prospetto

Vue

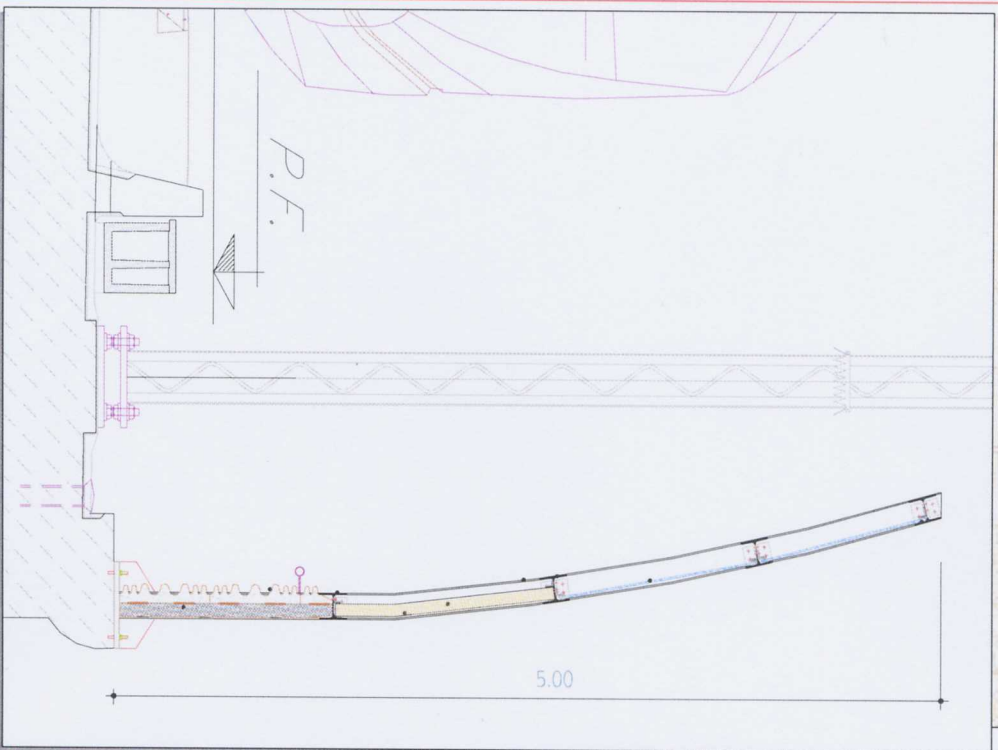


Planimetria

Vue en plan

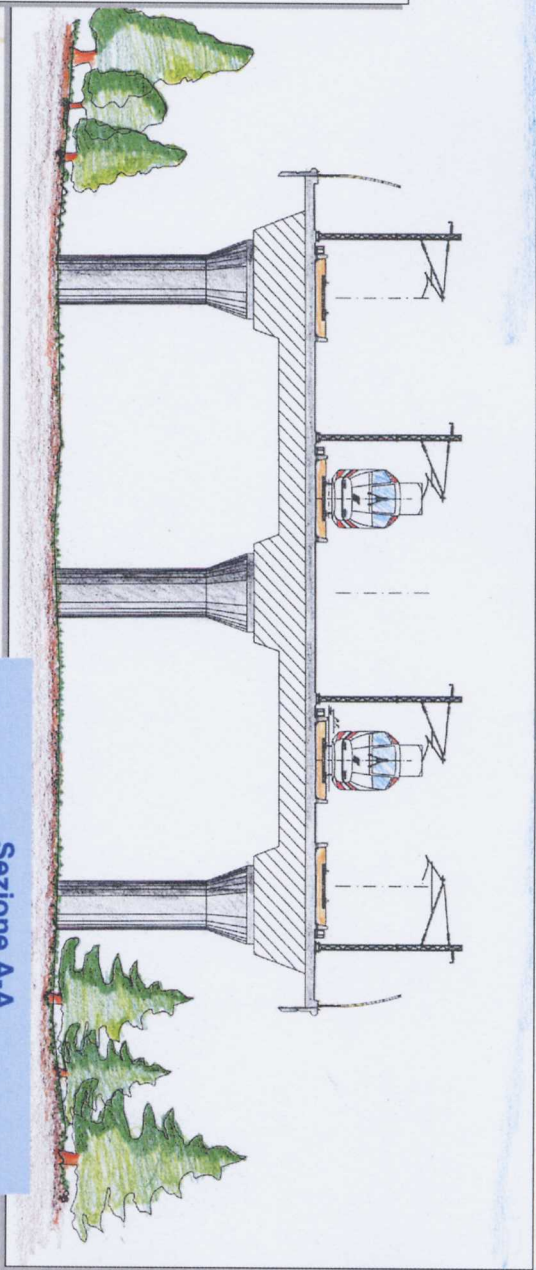
Il Progetto del viadotto

Le project du viaduc



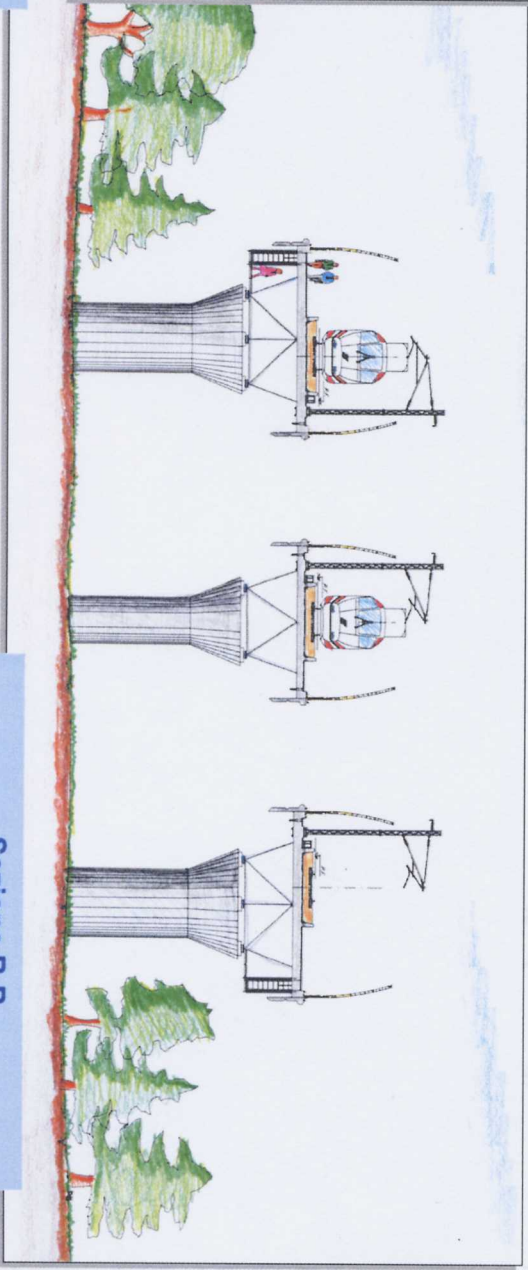
Particolare barriera antirumore

Détail panneaux de protection contre le bruit



Sezione A-A

Coupe A-A

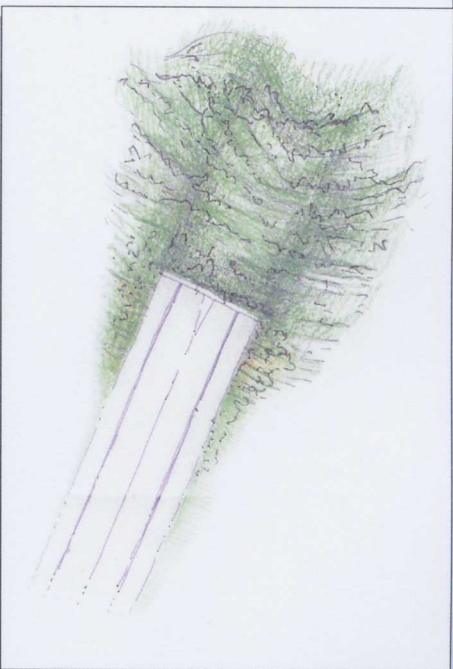


Sezione B-B

Coupe B-B

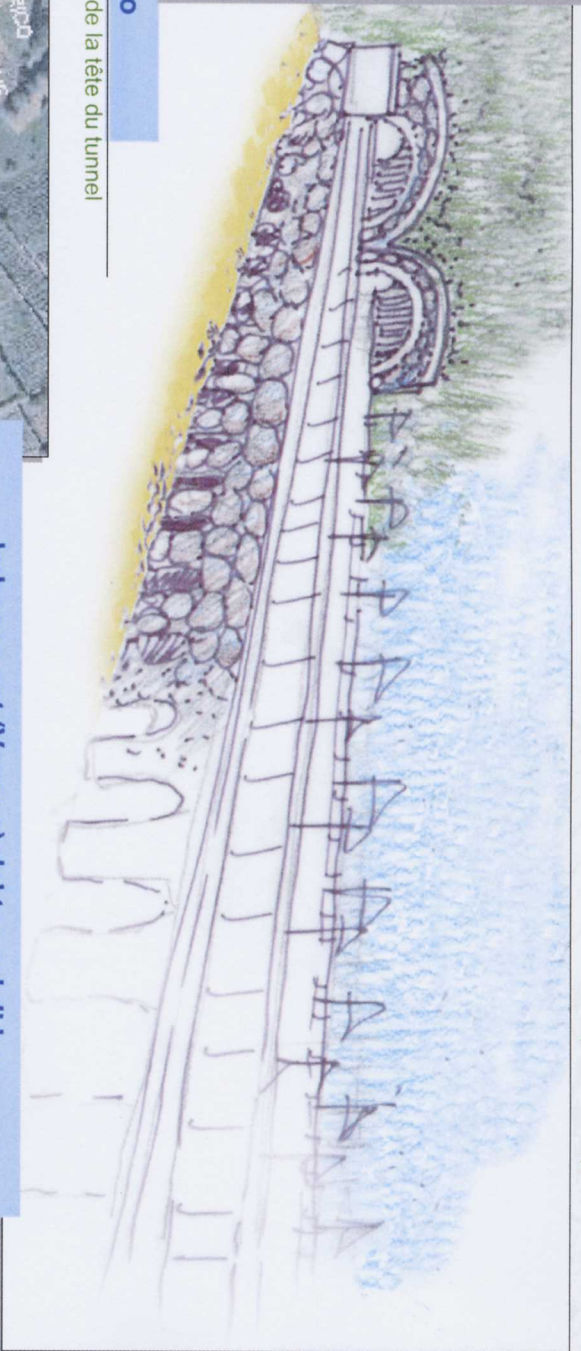
Tunnel di base – Imbocco est (Venaus)

Tunnel de base – tête est (Venaus)



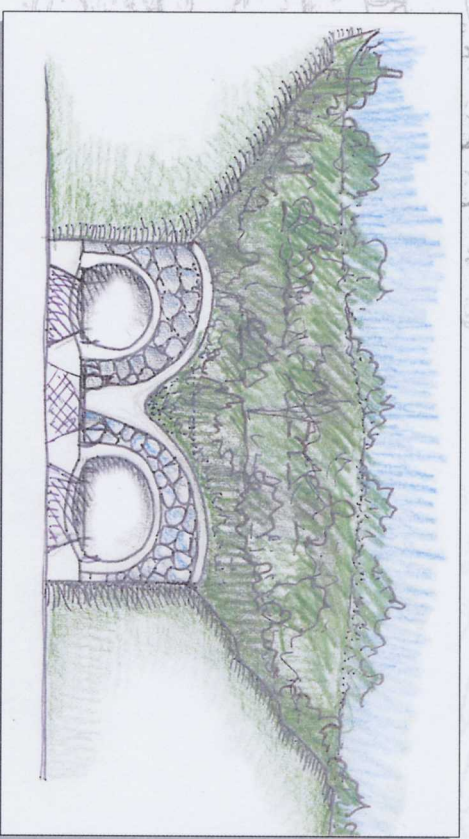
Planimetria sistemazione finale imbocco

Amenagement de la tête du tunnel



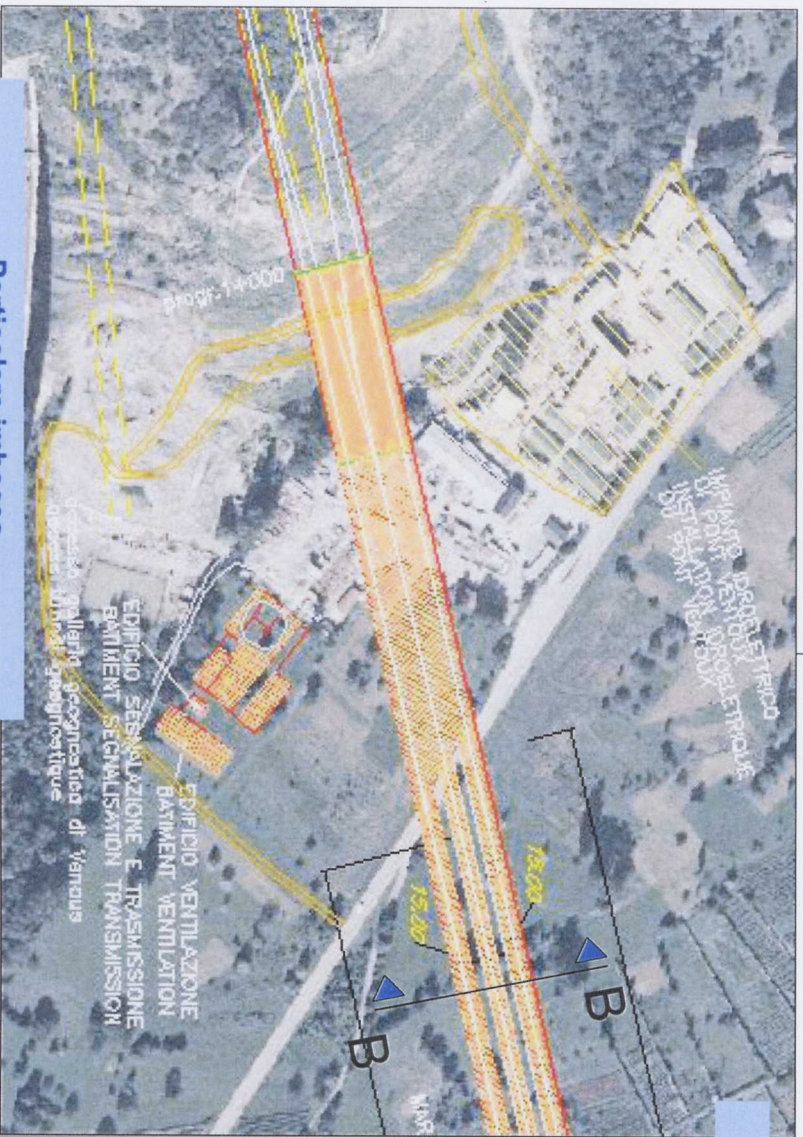
Imbocco est (Venaus) del tunnel di base

Tête est (Venaus) du tunnel de base



Prospetto intervento

Vue des ouvrages



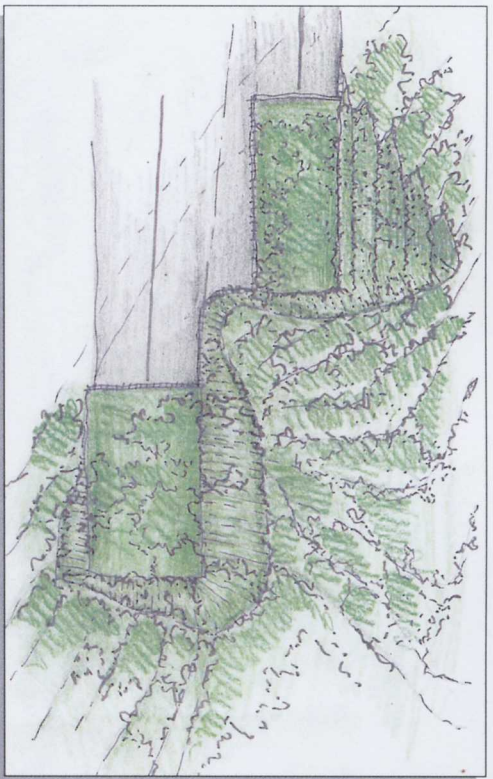
Particolare imbocco

Detail Tête tunnel



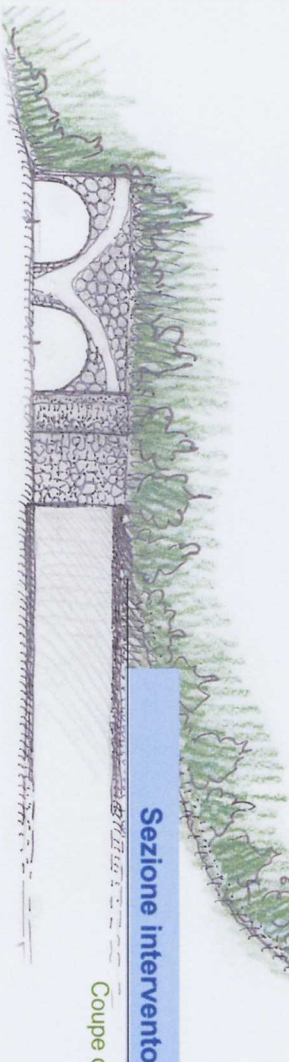
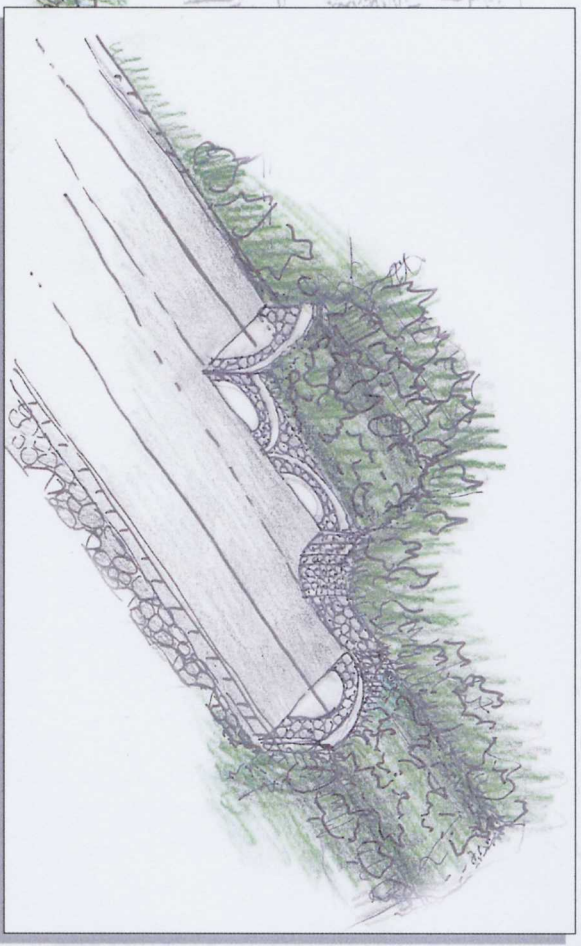
Tunnel di Bussoleno – Imbocco ovest (Berno)

Tunnel de Bussoleno – tête ouest (Berno)



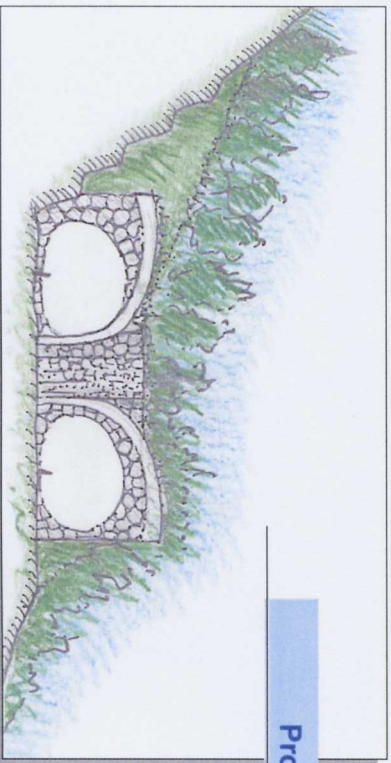
Planimetria intervento

Vue en plan des ouvrages



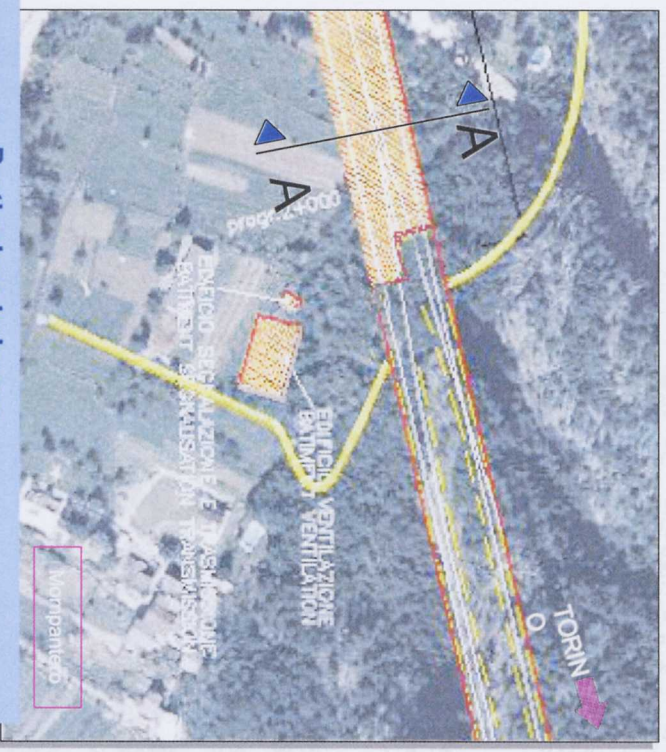
Sezione intervento

Coupe des ouvrages



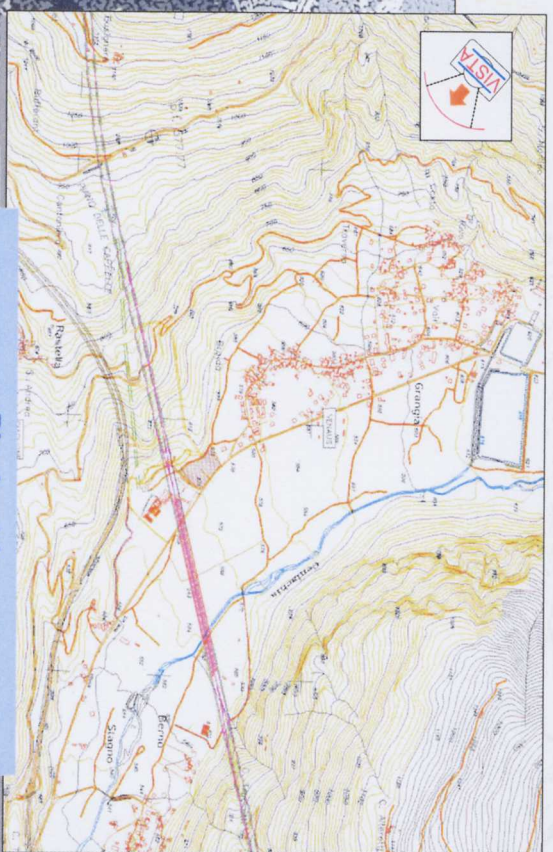
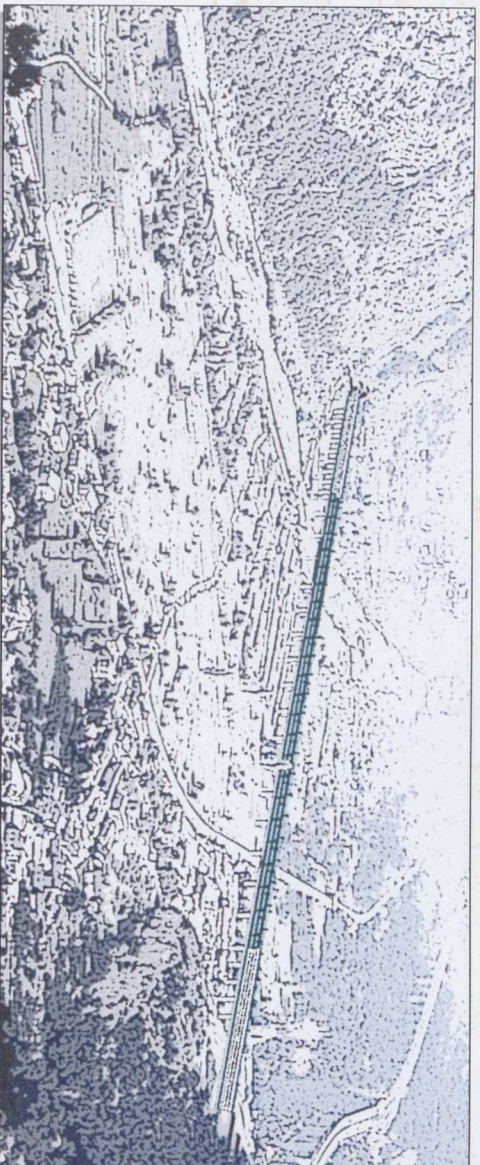
Prospetto intervento

Vue des ouvrages



Particolare imbocco

Detail tête tunnel



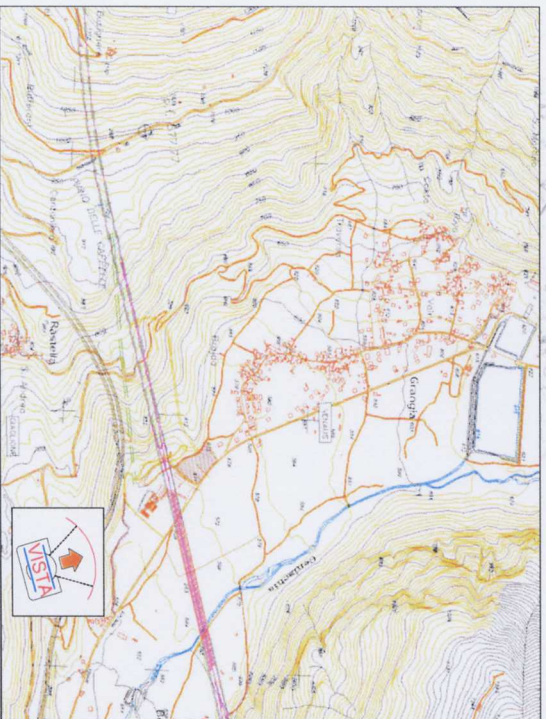
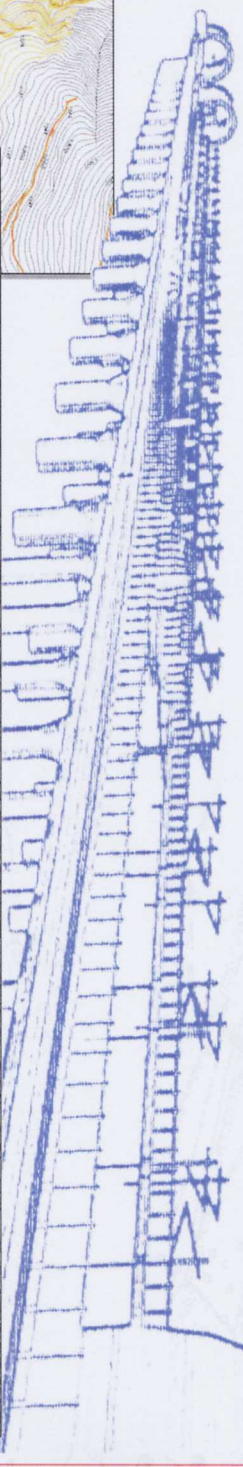
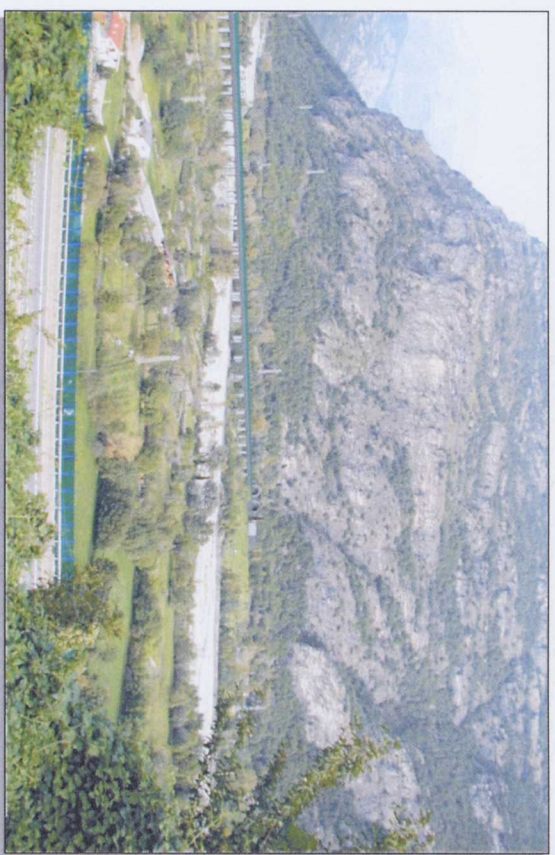
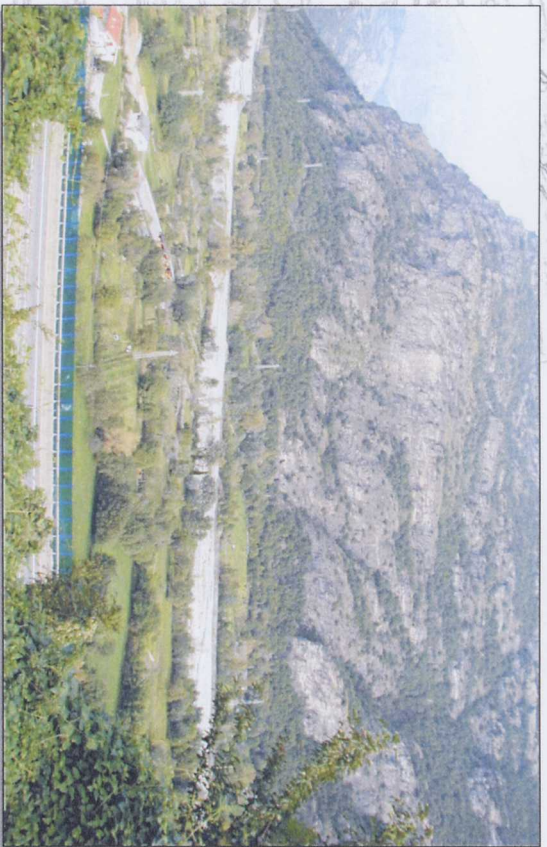
Planimetria

Vue en plan



Inserimento paesaggistico

Les ouvrages dans le paysage



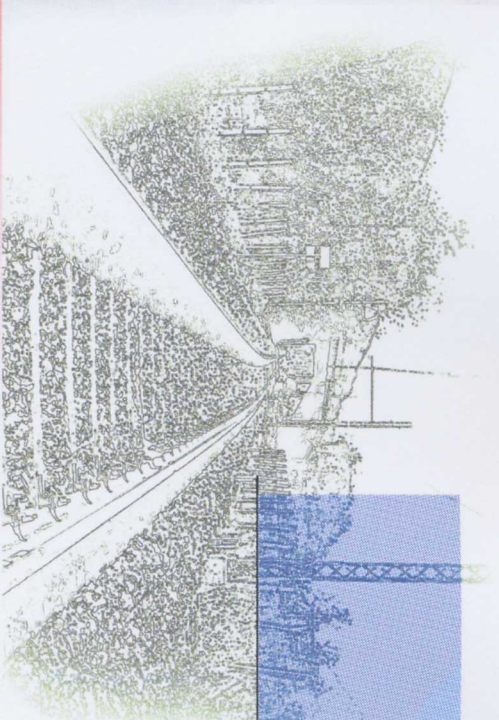
Planimetria

Vue en plan



SITO FORESTO

Le site de Foresto



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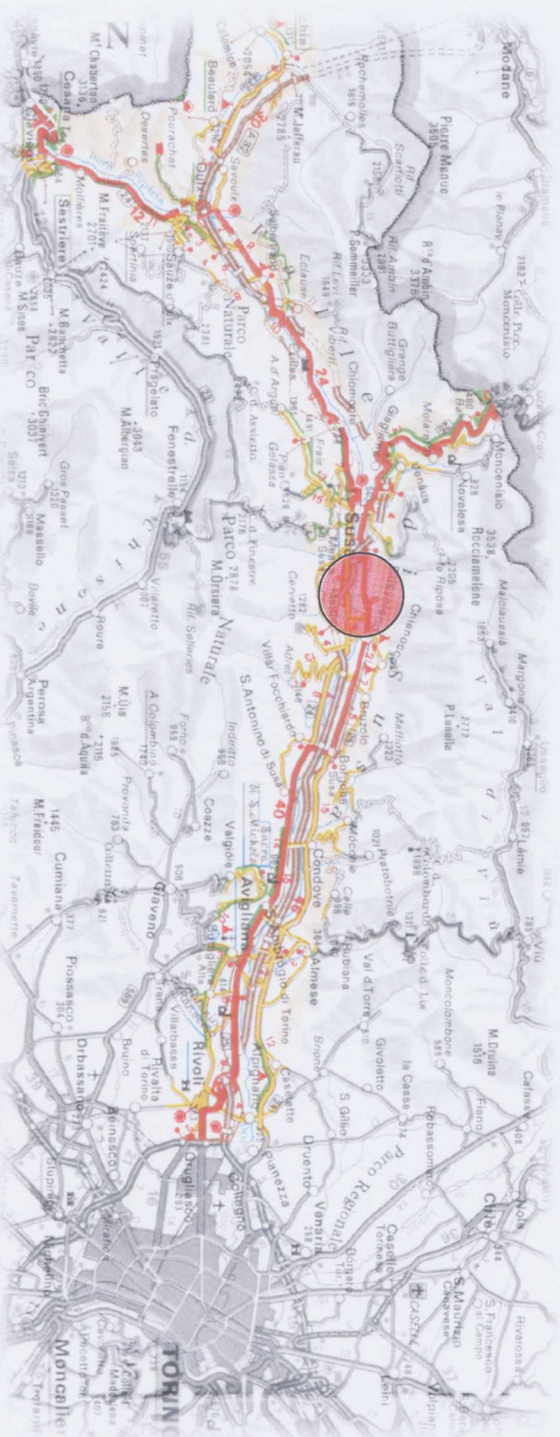
Il progetto della linea

Le project de la ligne



Planimetria di tracciamento

Schemà du tracé



Localizzazione intervento

Localisation des ouvrages



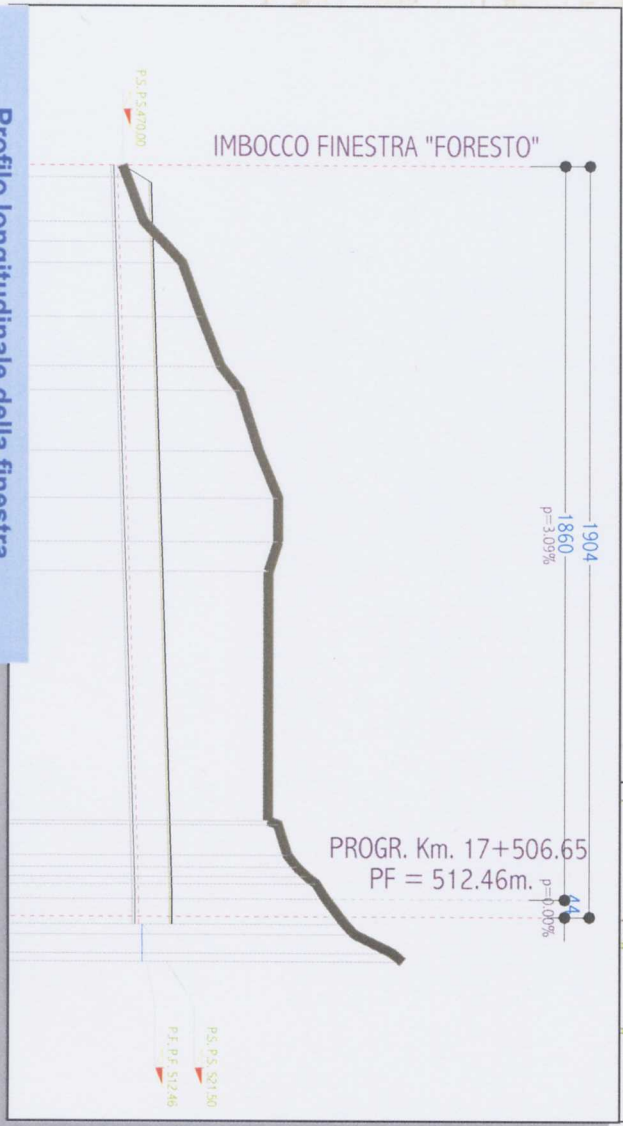
Il sito Foresto

Le site de Foresto



Vista 1: Sito Foresto

Vista 1: Sito Foresto



Profilo longitudinale della finestra

Profil en long de la descenterie



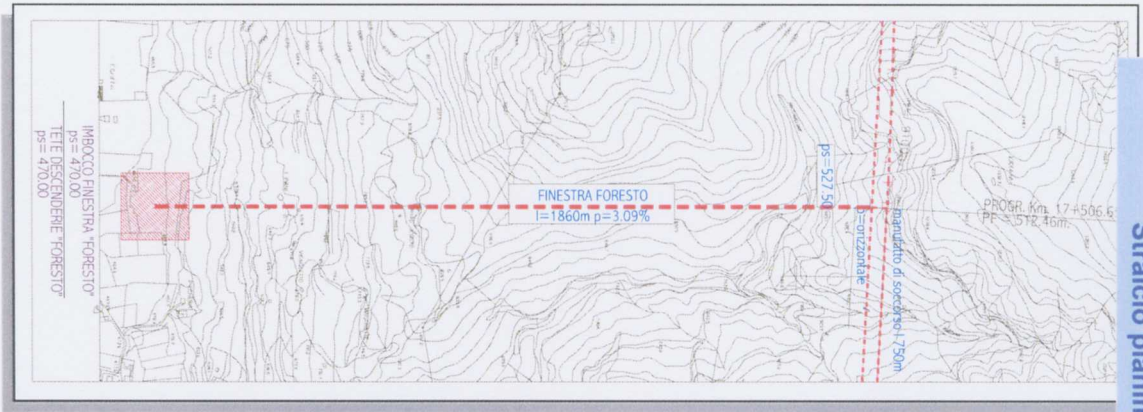
Planimetria

Vue en plan

Sito Foresto – finestra con galleria di ventilazione

Site de Foresto – Descenderie avec galeries de ventilation

Stralcio planimetrico

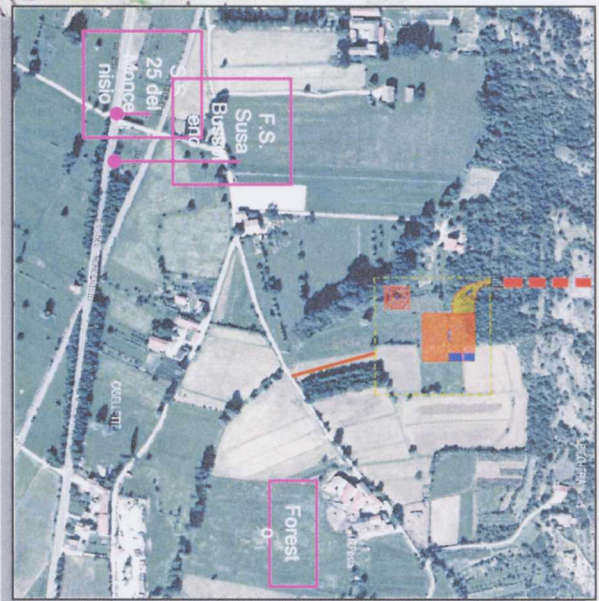


Planimétrie (extract)



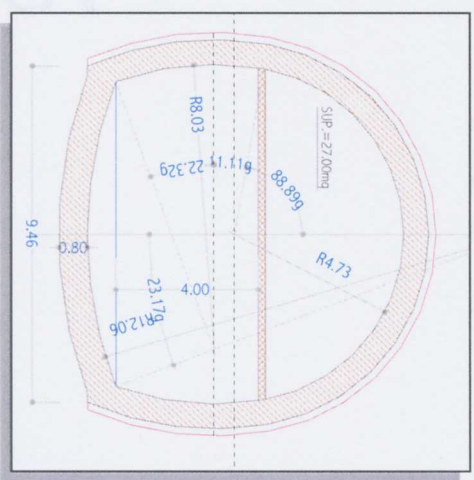
Planimetria sito

Vue en plan du site



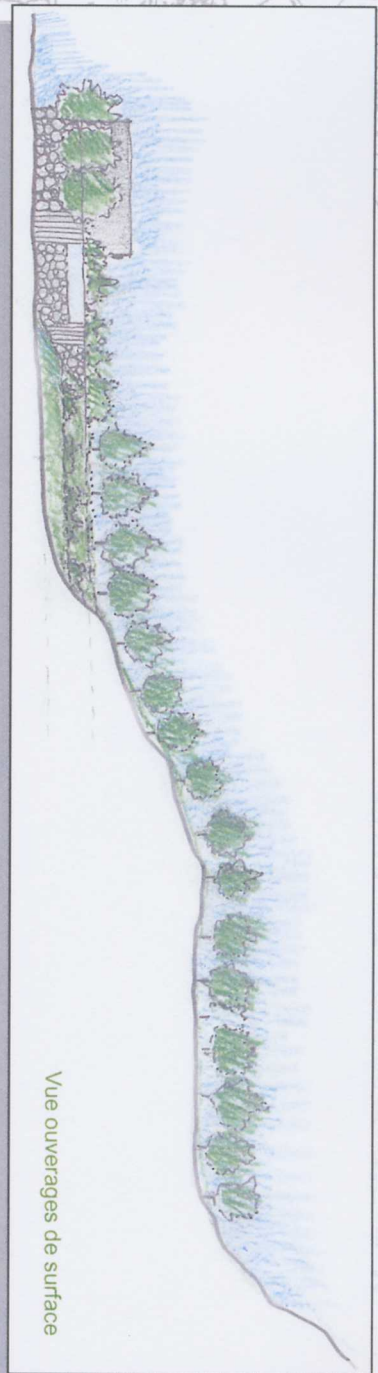
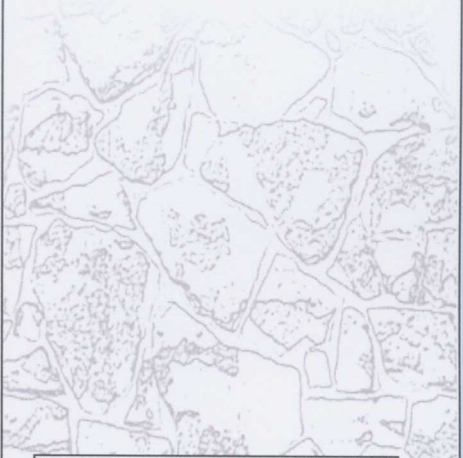
Sezione finestra con galleria di ventilazione

Coupe descendante avec galerie de ventilation



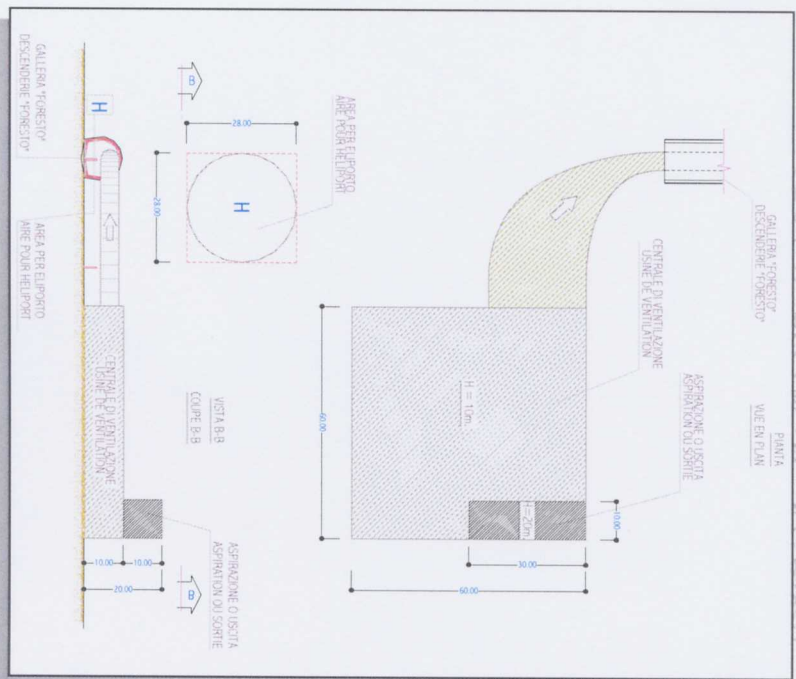
Sito Foresto – Opere esterne

Site de Foresto – Ouvrages de surface



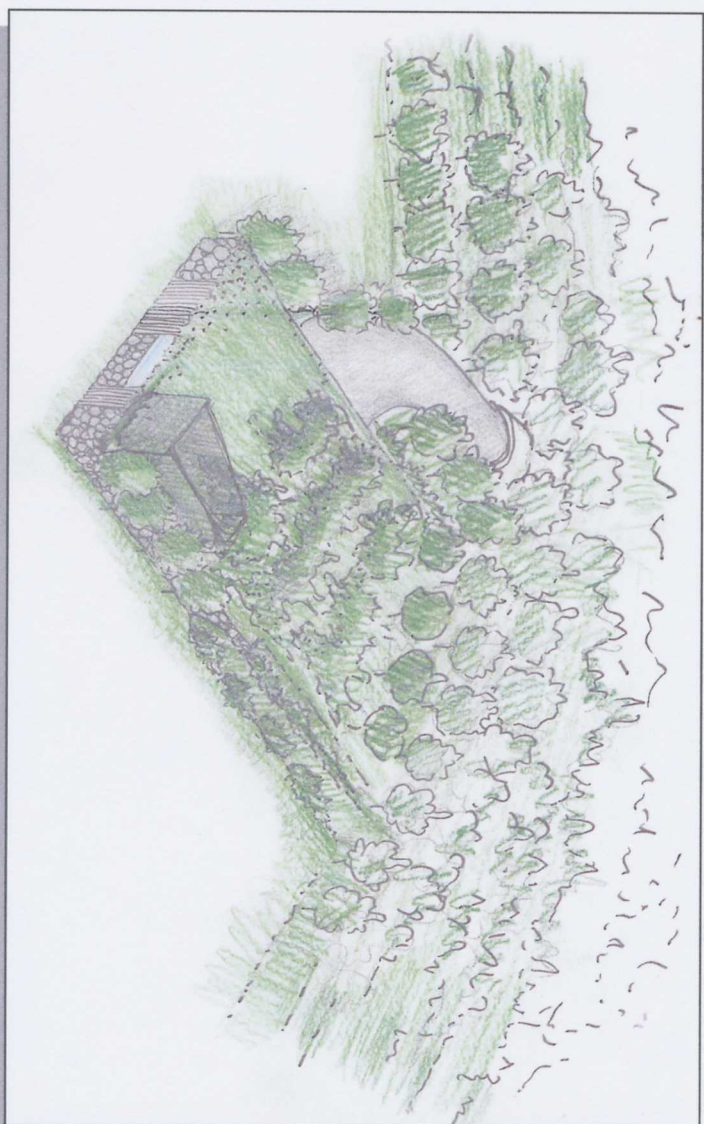
Vue ouvrages de surface

Prospetto opere esterne



Opere esterne-Schema

Ouvrages de surface - Schema



Vista assonometrica

Vue axonométrique



SITO BRUZOLO

Site de Bruzolo

NOUVELLE LIAISON FERROVIAIRE LYON-TURIN

NUOVO COLLEGAMENTO FERROVIARIO TORINO-LIONE

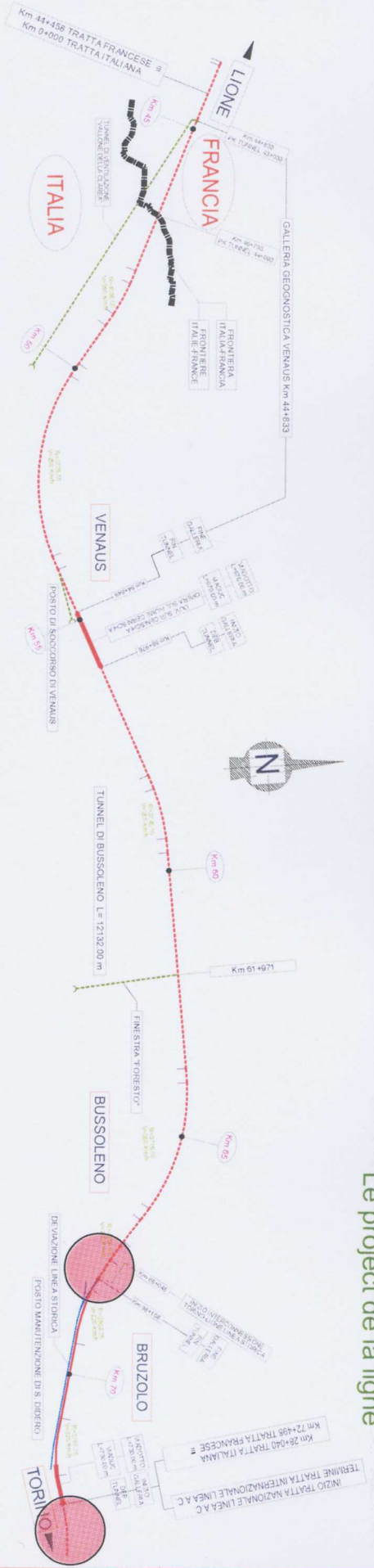
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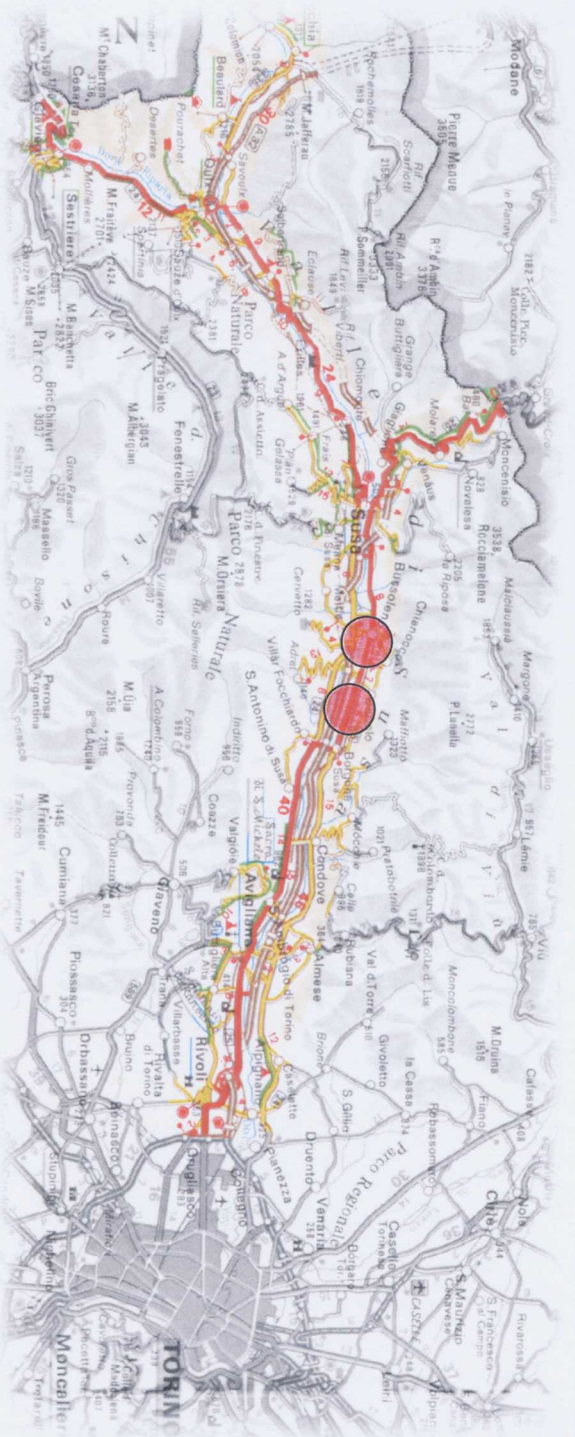
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Planimetria di tracciamento

Schemà du tracé



Localizzazione intervento

Localisation des ouvrages

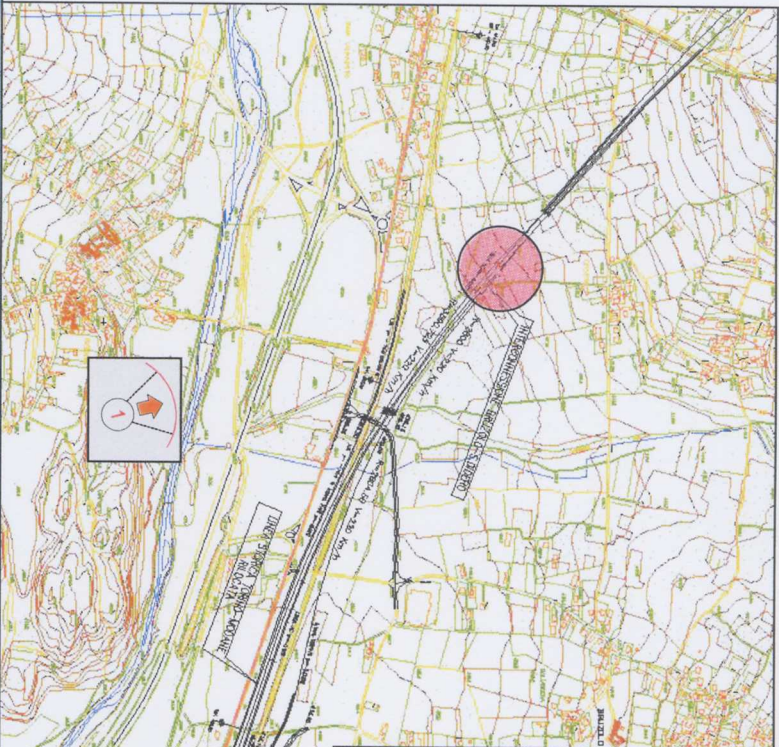
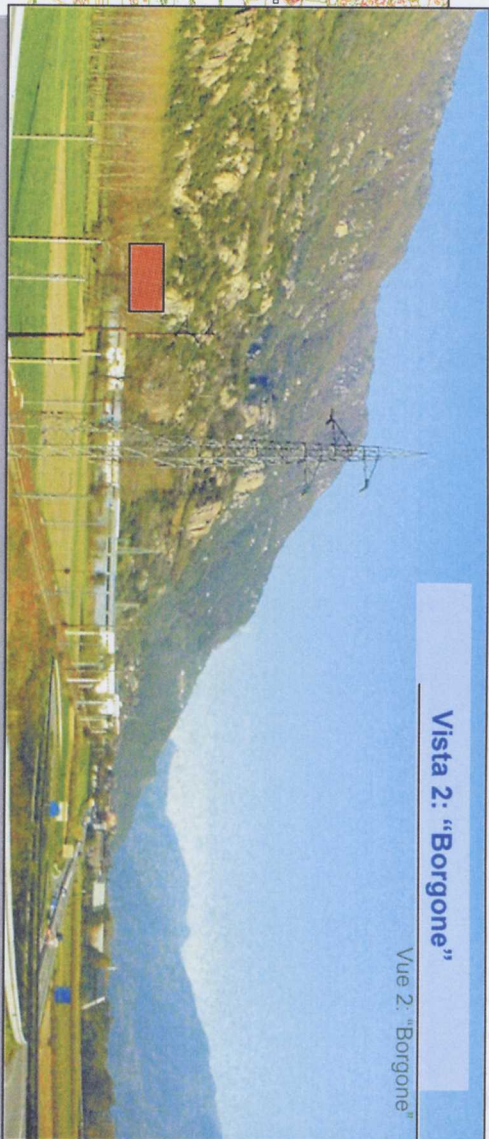


Il Sito Bruzolo

Le site de Bruzolo

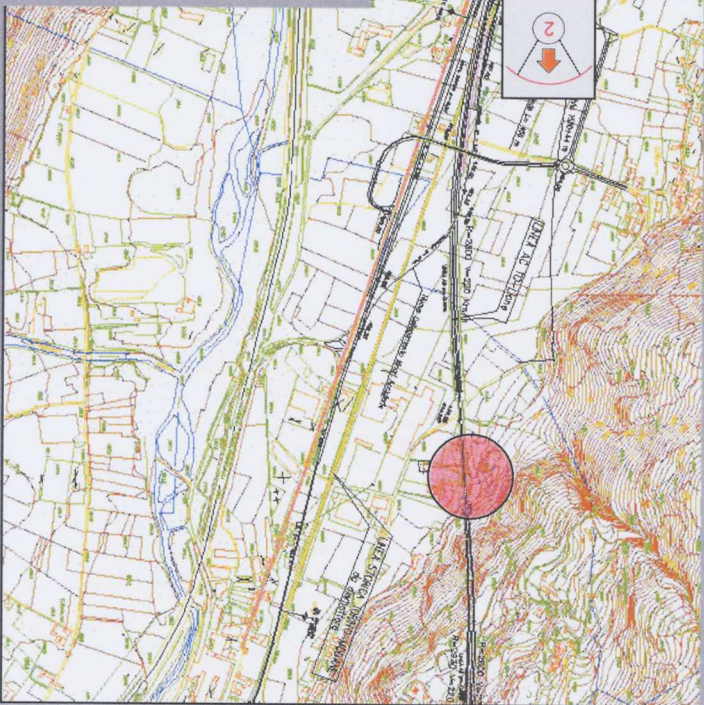
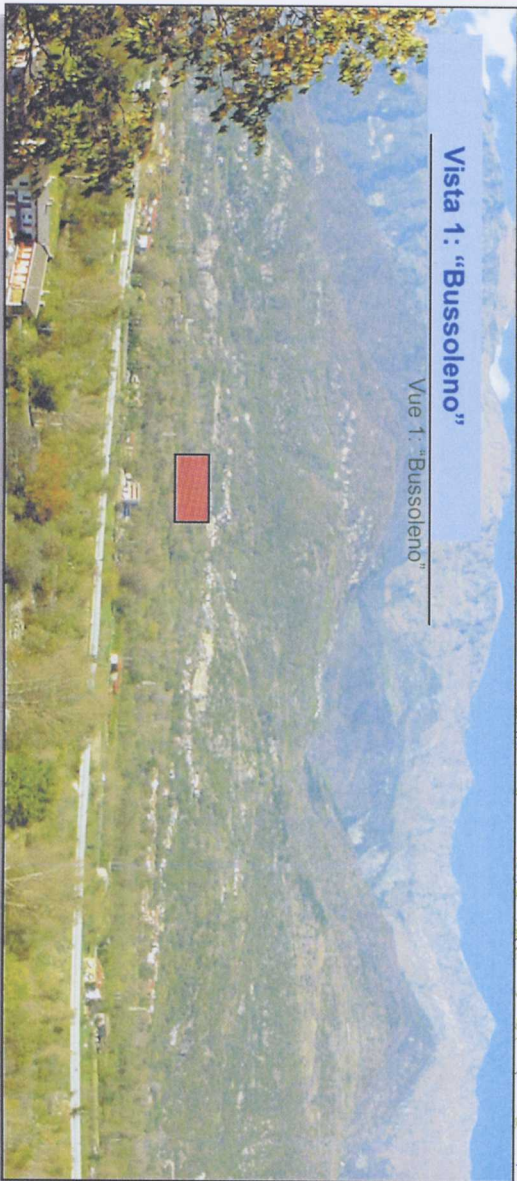
Vista 2: "Borgone"

Vue 2: "Borgone"



Vista 1: "Bussoleno"

Vue 1: "Bussoleno"

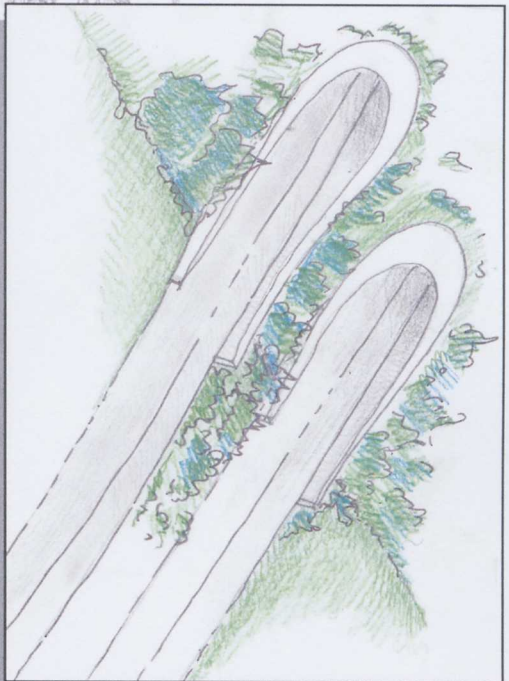


Planimetria

Vue en plan

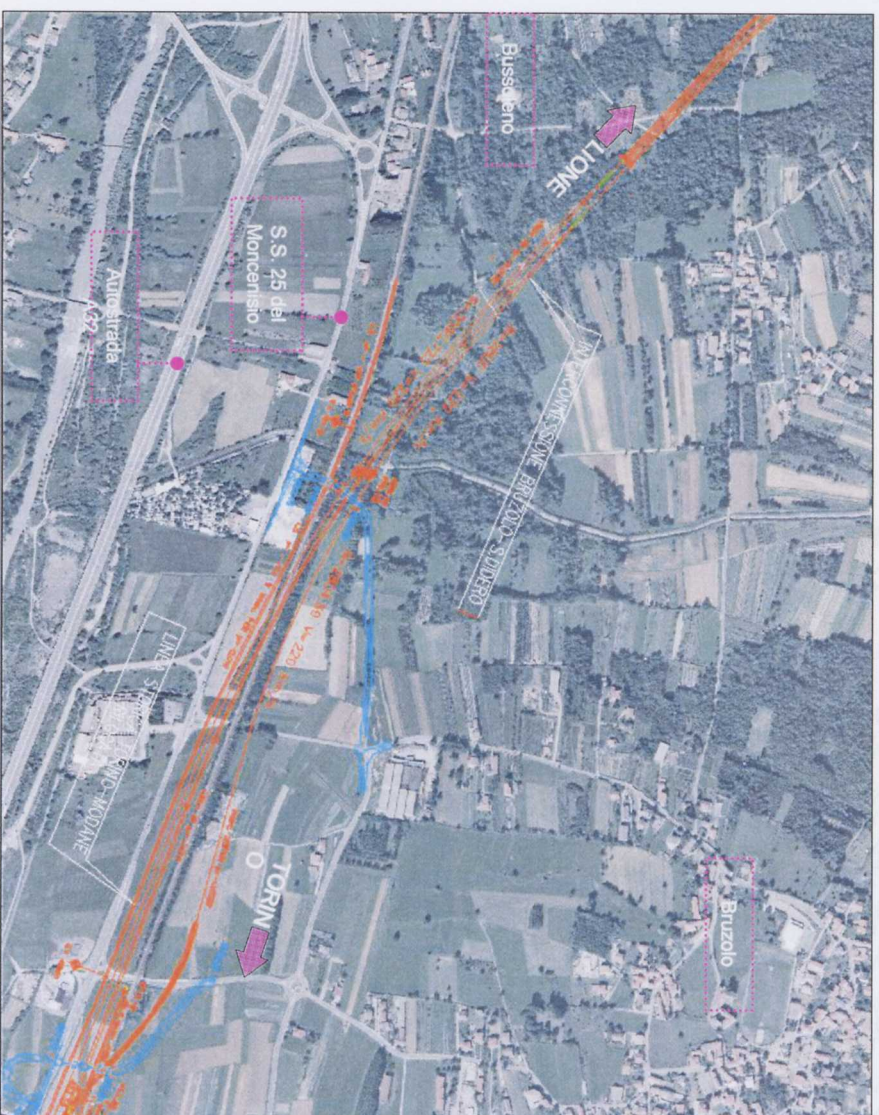
Sito Bruzolo – Imbocco est tunnel di Bussoleno (Chianocco)

Site de Bruzolo – Tête est tunnel de Bussoleno (Chianocco)



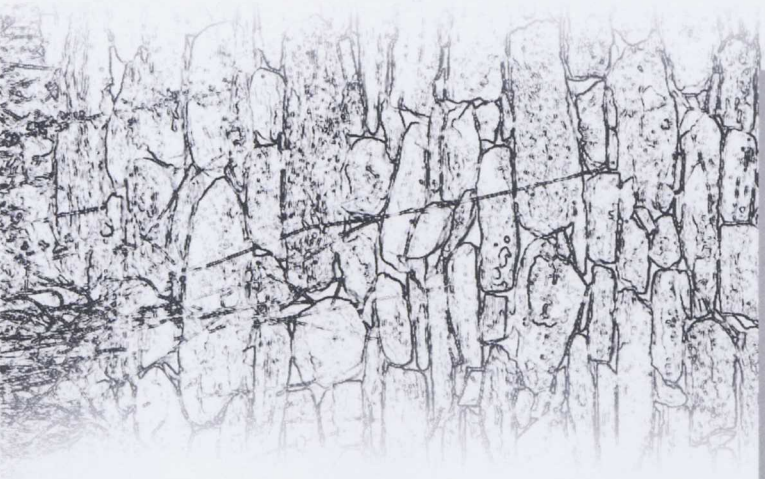
Imbocco est tunnel di Bussoleno (Chianocco)

Tête est tunnel de Bussoleno (Chianocco)



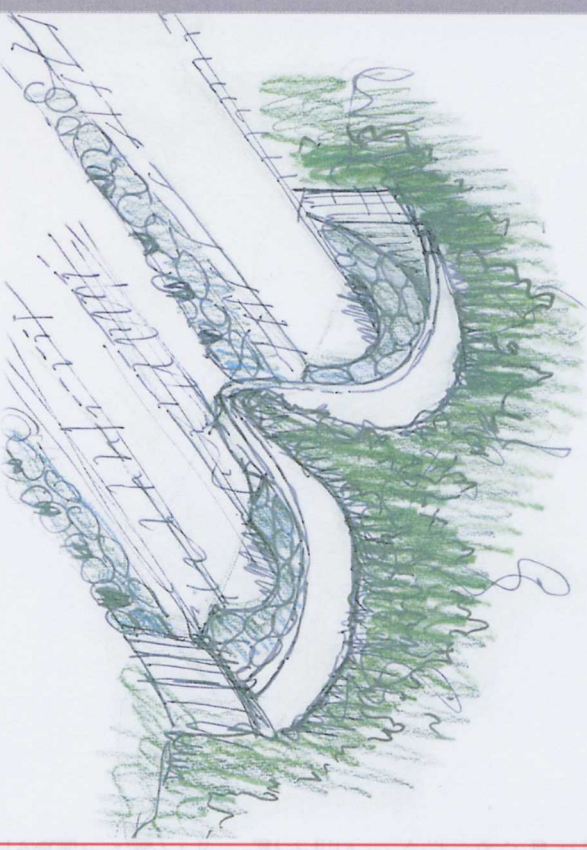
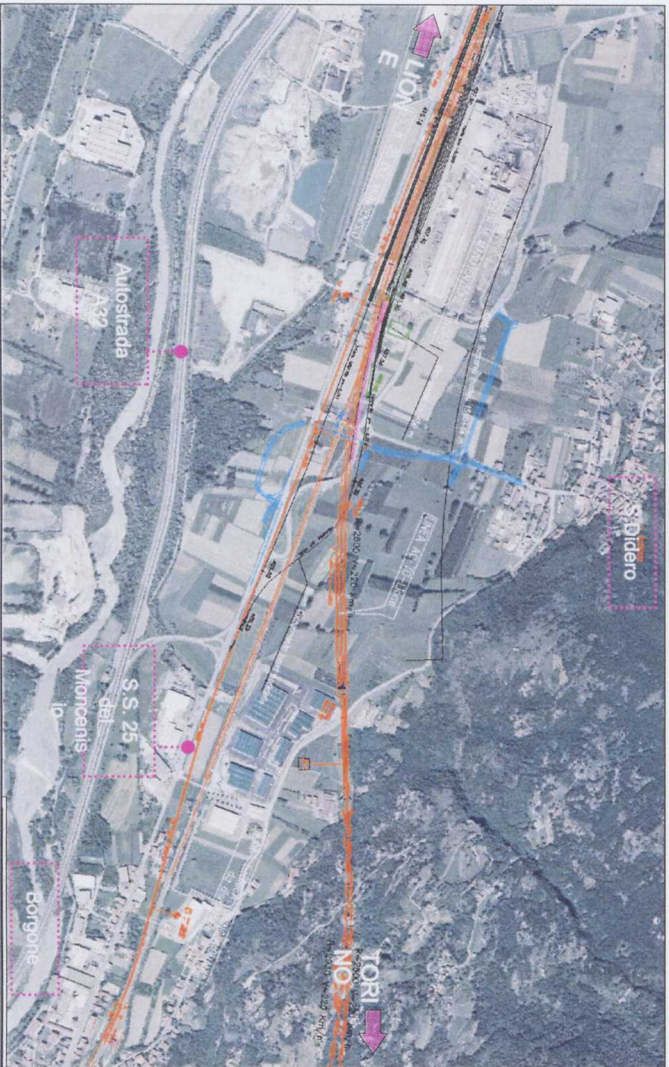
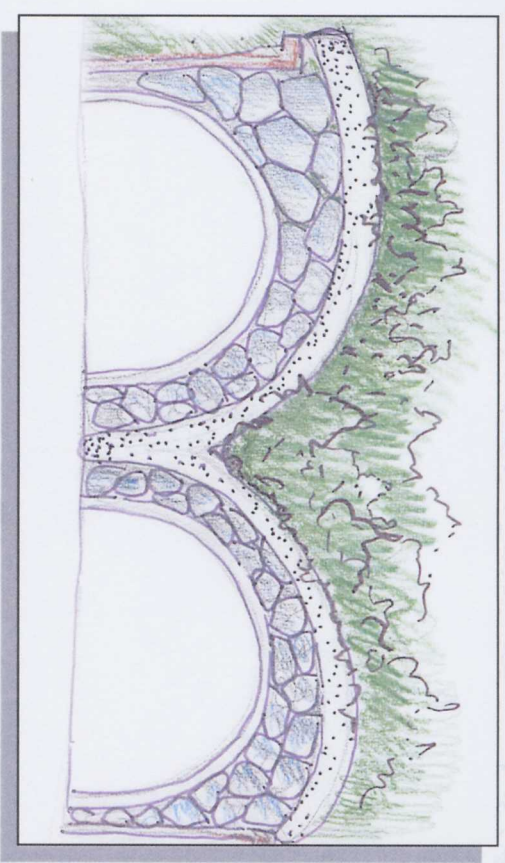
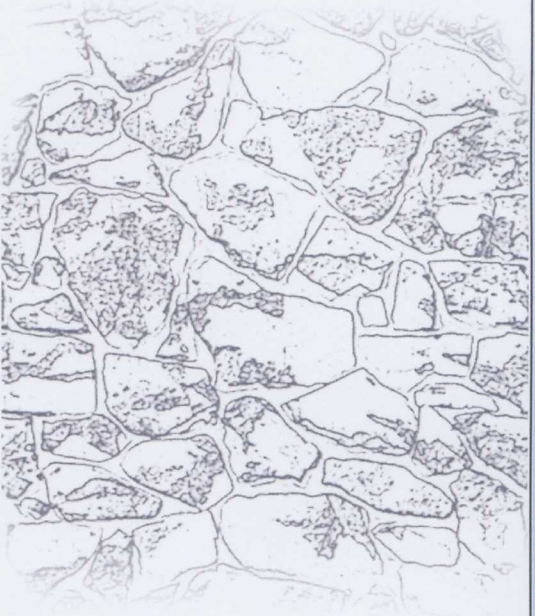
Planimetria

Vue en plan



Sito Bruzolo – Imbocco tunnel del Gravio (Borgone)

Site de Bruzolo – Tête ouest tunnel du Gravio (Borgone)



Planimetria

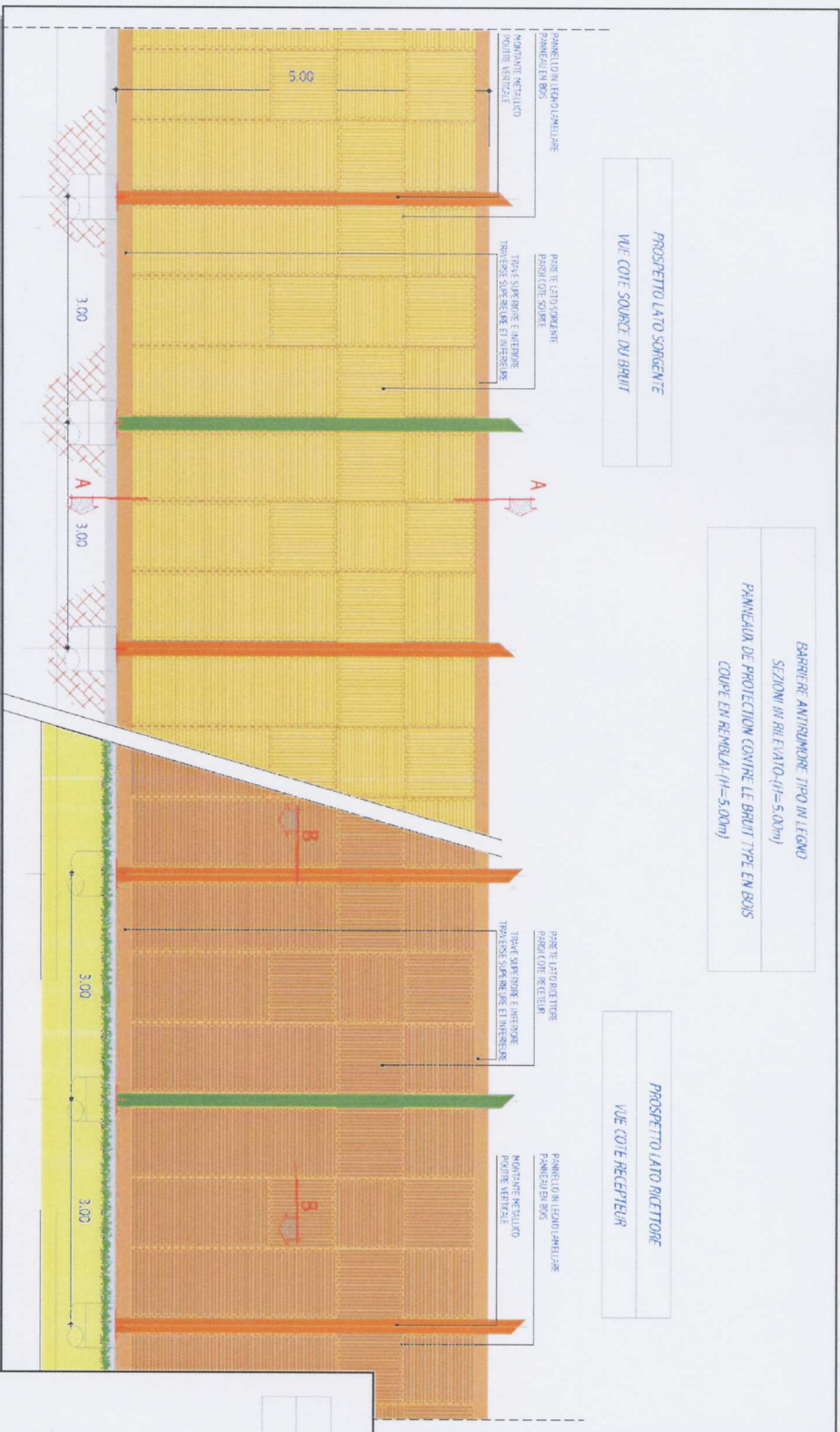
Vue en plan

Opera di competenza RFI

Ouvrage en charge a RFI

Barriere antirumore in bois - Sezione in rilevato

Panneaux de protection contre le bruit en bois – Coupe en remblai



BARRIERE ANTIRUMORE TIPO IN LENTO
 SEZIONI IN RILEVATO (H=5.00m)
PANNEAUX DE PROTECTION CONTRE LE BRUIT TYPE EN BOIS
 COUPE EN REMBLAI (H=5.00m)

Prospetto barriera

Vue panneaux

Sezione A-A

Coupd A-A

