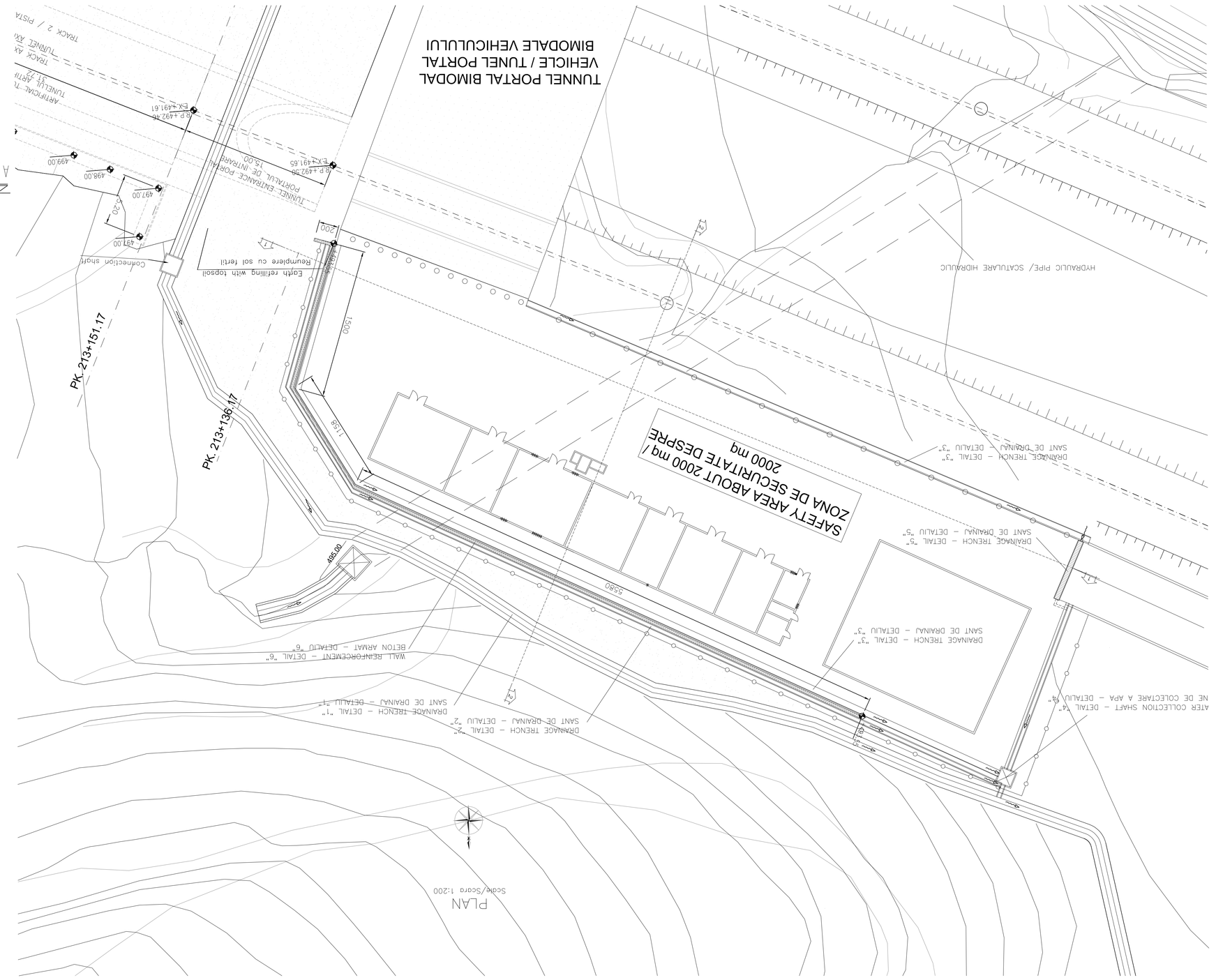
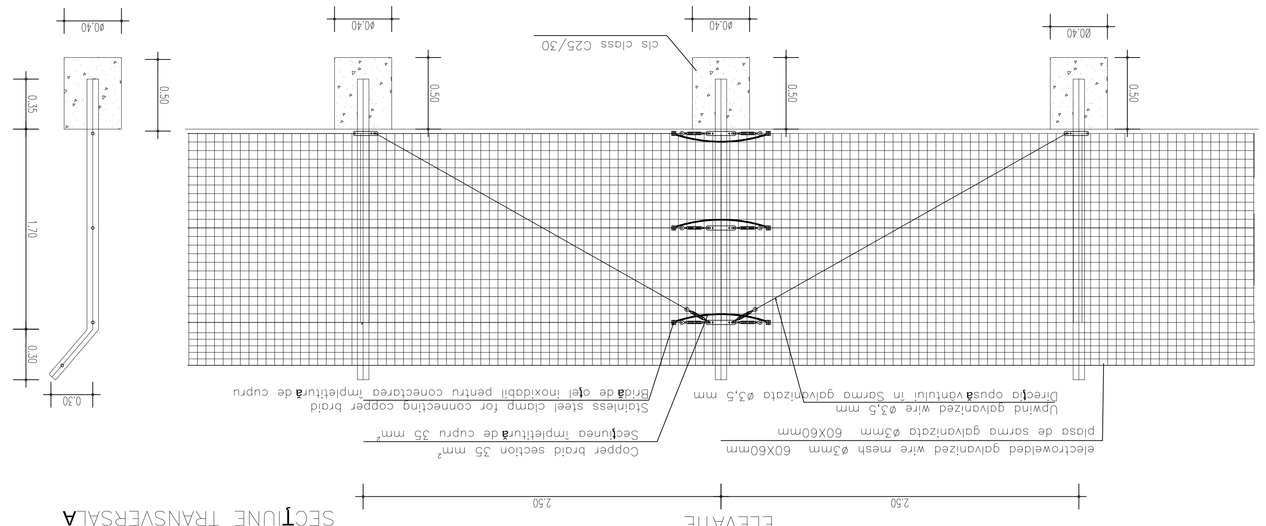
TUNNEL PORTAL BIMODAL
VEHICLE / TUNEL PORTAL BIMODAL AUTOVEHICULUL



FENCE DETAIL/DETALIU GARD

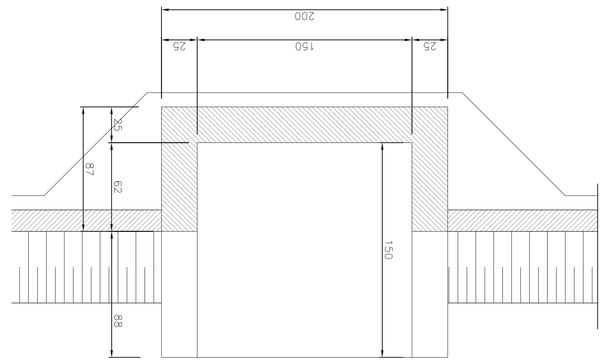
Scale/Scara 1:20



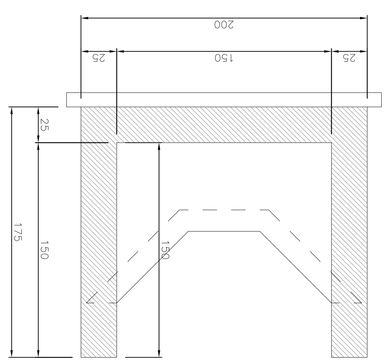
ELEVATION/
ELEVATIE

CROSS SECTION/
SECȚIUNE TRANSVERSALĂ

SECTION A-A/SECȚIUNEA A-A

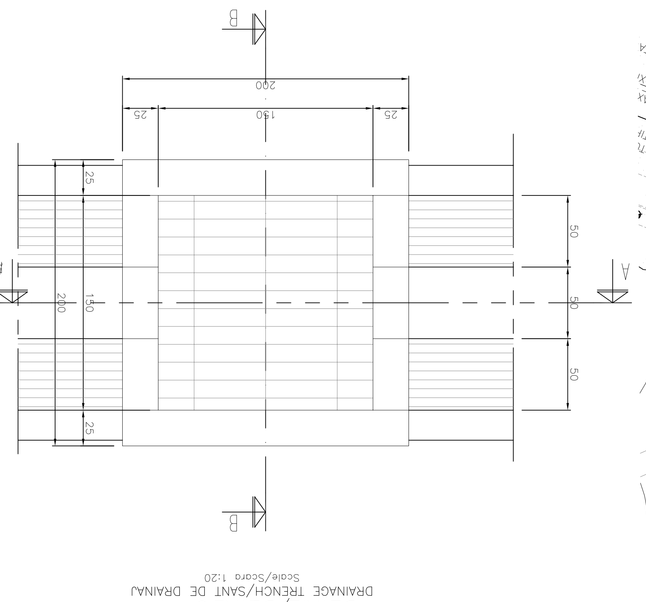


SECTION B-B/SECȚIUNEA B-B



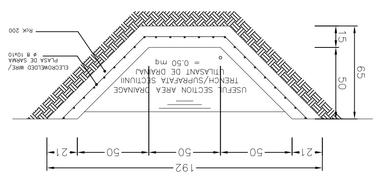
DRAINAGE TRENCH/SANT DE DRENAJ

Scale/Scara 1:20



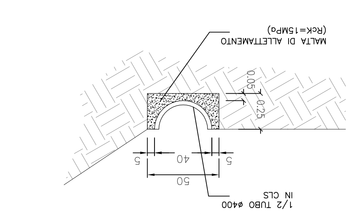
DETAIL/DETALIU "1"

DRAINAGE TRENCH/SANT DE DRENAJ
Scale/Scara 1:20



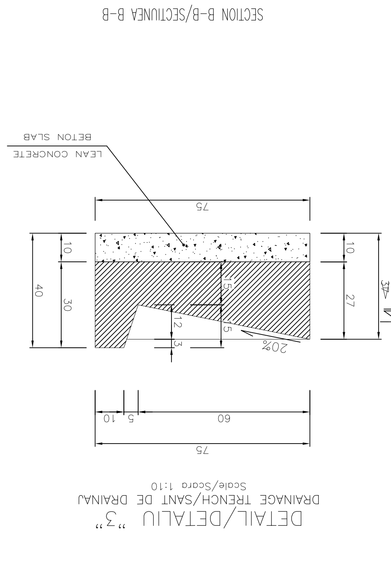
DETAIL/DETALIU "2"

DRAINAGE TRENCH/SANT DE DRENAJ
Scale/Scara 1:20



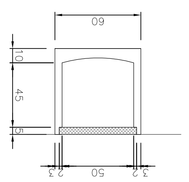
DETAIL/DETALIU "3"

DRAINAGE TRENCH/SANT DE DRENAJ
Scale/Scara 1:10



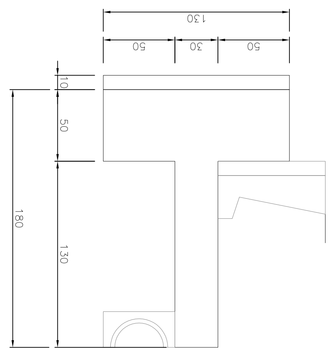
DETAIL/DETALIU "4"

DRAINAGE TRENCH/SANT DE DRENAJ
Scale/Scara 1:20



DETAIL/DETALIU "5"

DRAINAGE TRENCH/SANT DE DRENAJ
Scale/Scara 1:20



DETAIL/DETALIU "6"

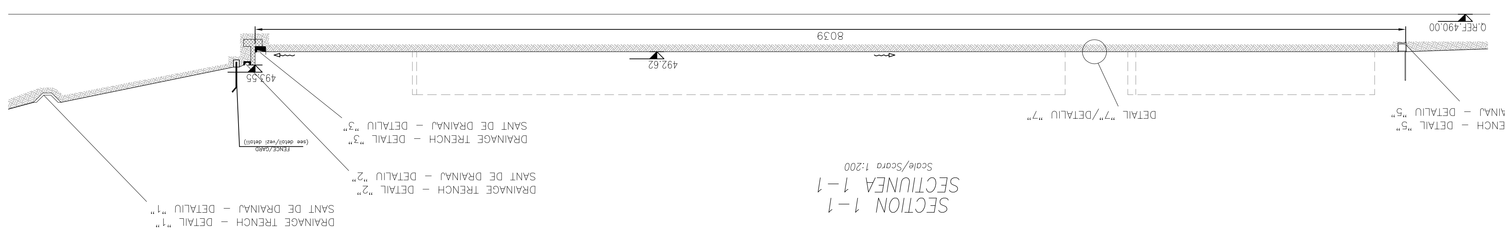
WALL REINFORCEMENT/BETON ARMAT
Scale/Scara 1:20

DETAIL/DETALIU "7"

Scale/Scara 1:20

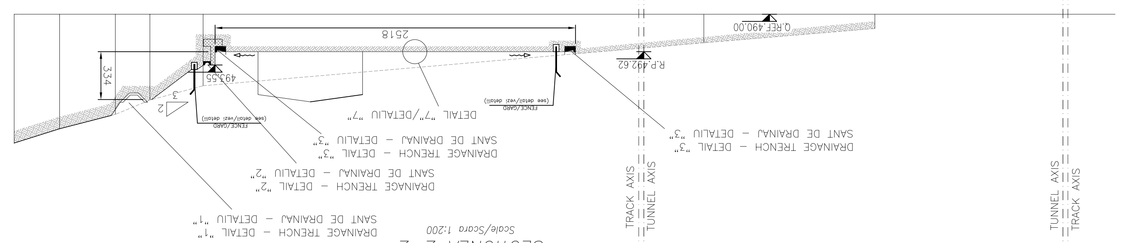
SECTION 1-1
SECȚIUNEA 1-1

Scale/Scara 1:200

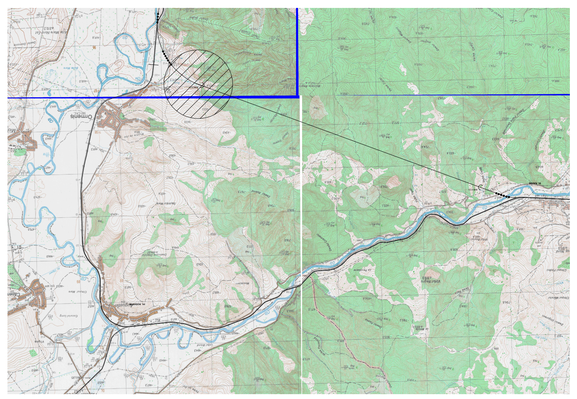


SECTION 2-2
SECȚIUNEA 2-2

Scale/Scara 1:200



GENERAL PLAN / PLANUL GENERAL



MATERIALS

SHOTCRETE:
- C 30/37
fck >=20 MPa

REINFORCING STEEL:
- B450C corrected by elongation
- Welded/e

LEGEND

RP = REFERENCE PLANE
EX = EXCAVATIONS PLANE
PC = CENTERS PLANE

GFR — C.N.C.F. "C.F.R." - S.A.

CLIENT / CLIENT

CONSULTANT / CONSULTANT

Autorizat Approved	Șef proiect Project manager	R. Liuzza		Semnătura Signature
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C.Gambelli		
Verificat Checked	Tunel Expert Tunel Expert	C. Gambelli		
Întocmit Elaborated	Proiectant Designer	C.Gambelli		

SUBCONSULTANT / SUBCONSULTANT

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible			
Întocmit Elaborated	Proiectant Designer			

Reabilitarea liniei de cale ferată Brașov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h.
Secțiunea 1 Brașov - Sighișoara

Rehabilitation of the railway line Brașov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h.
Section 1 Brașov - Sighișoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title : **ORMEȚIS TUNNEL**
ENTRANCE ORMEȚIS SIDE
Planul final al hidraulicii. Planul profilelor, secțiuni și detalii
Final and hydraulics layout, design plan, sections and details

Codificare / Codification System	Scara / Scale: **variat / various**	LOT	Nr. / No.
E A 5 1 0 1 C 1 0 T S G A 0 1 0 0 0 0 4 0			

Indice Index	Data Date	Modificare Modification/Revision	Proiectat Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
A					
B					
C					
D					

GUVERNUL ROMÂNIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT