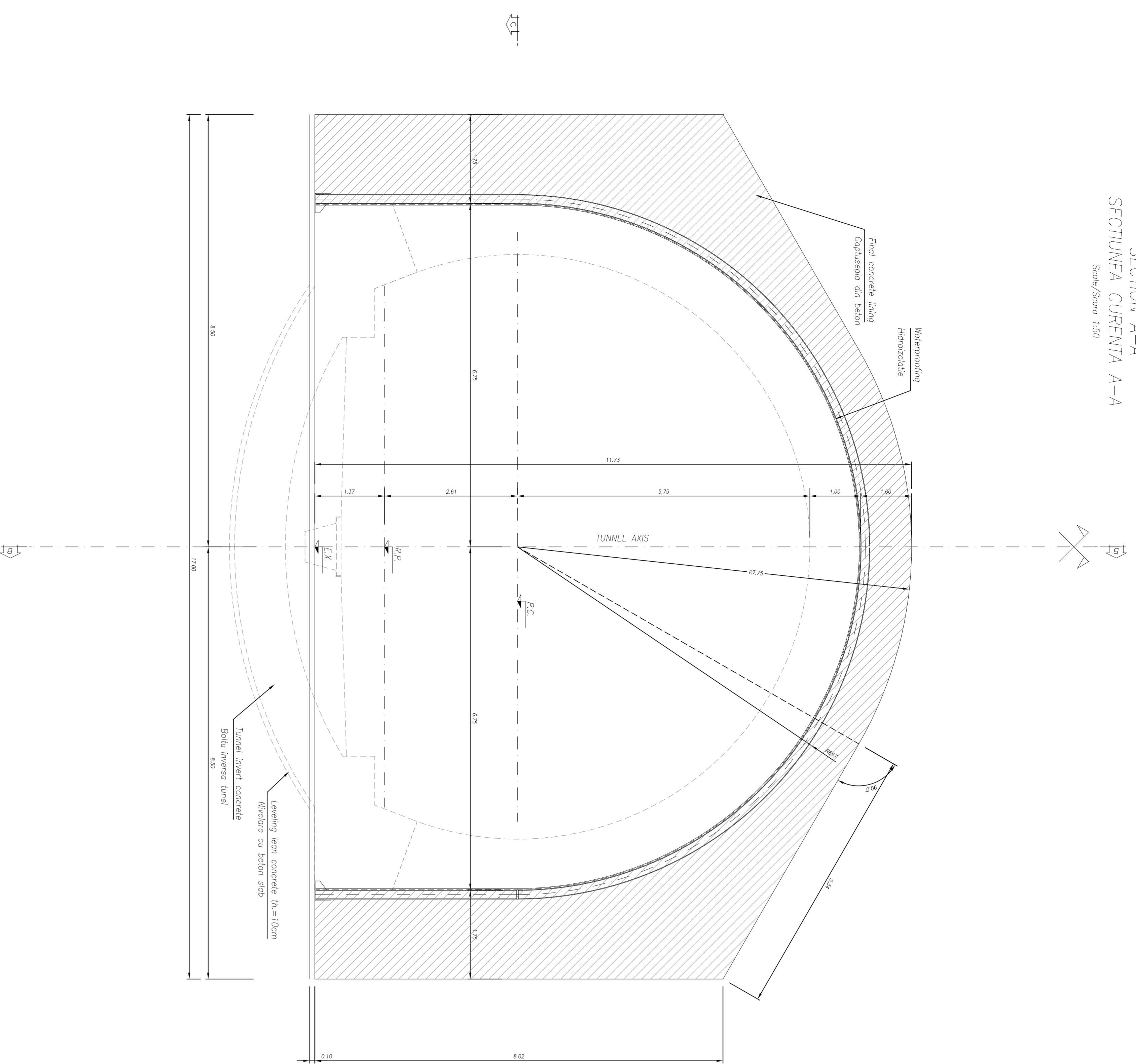
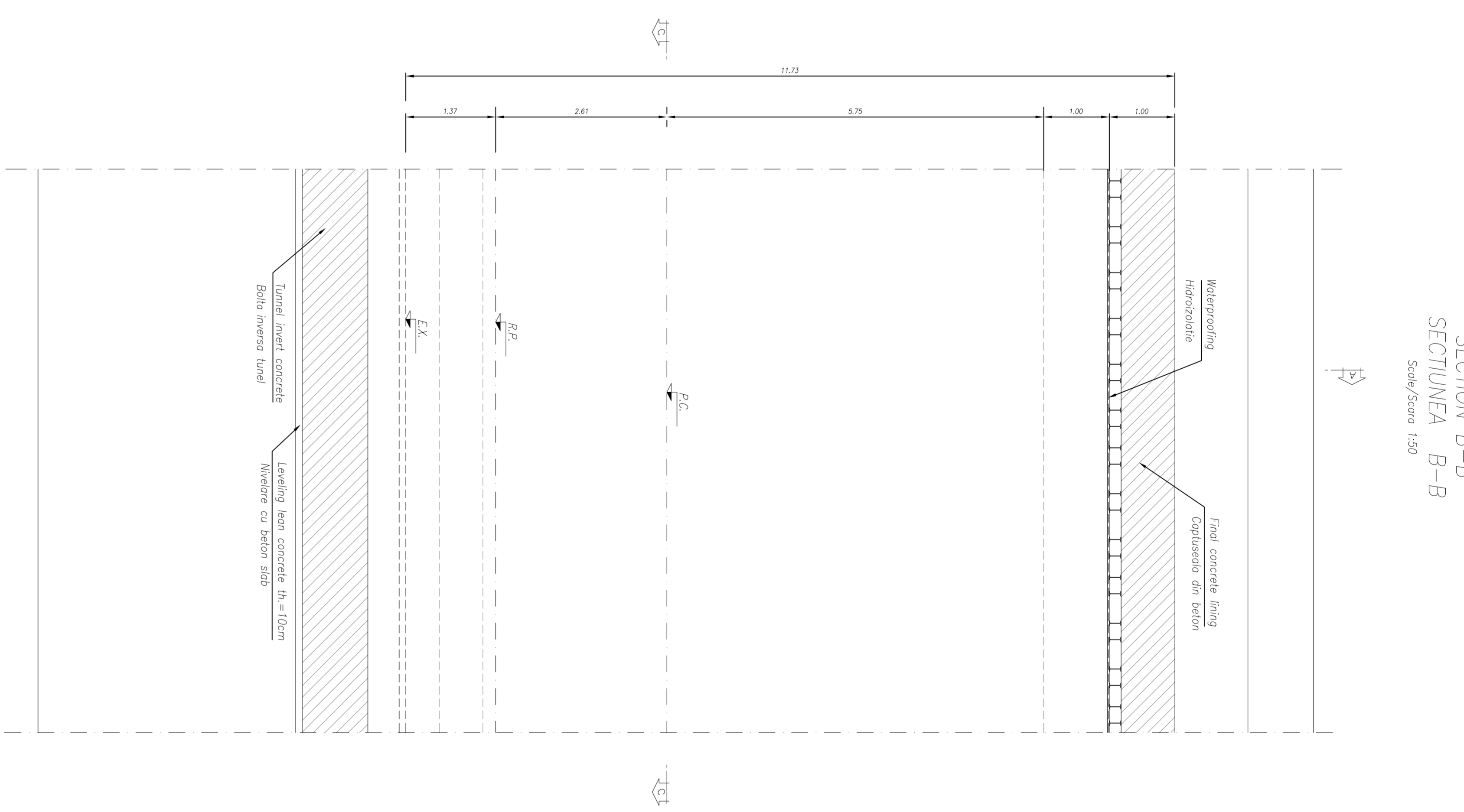


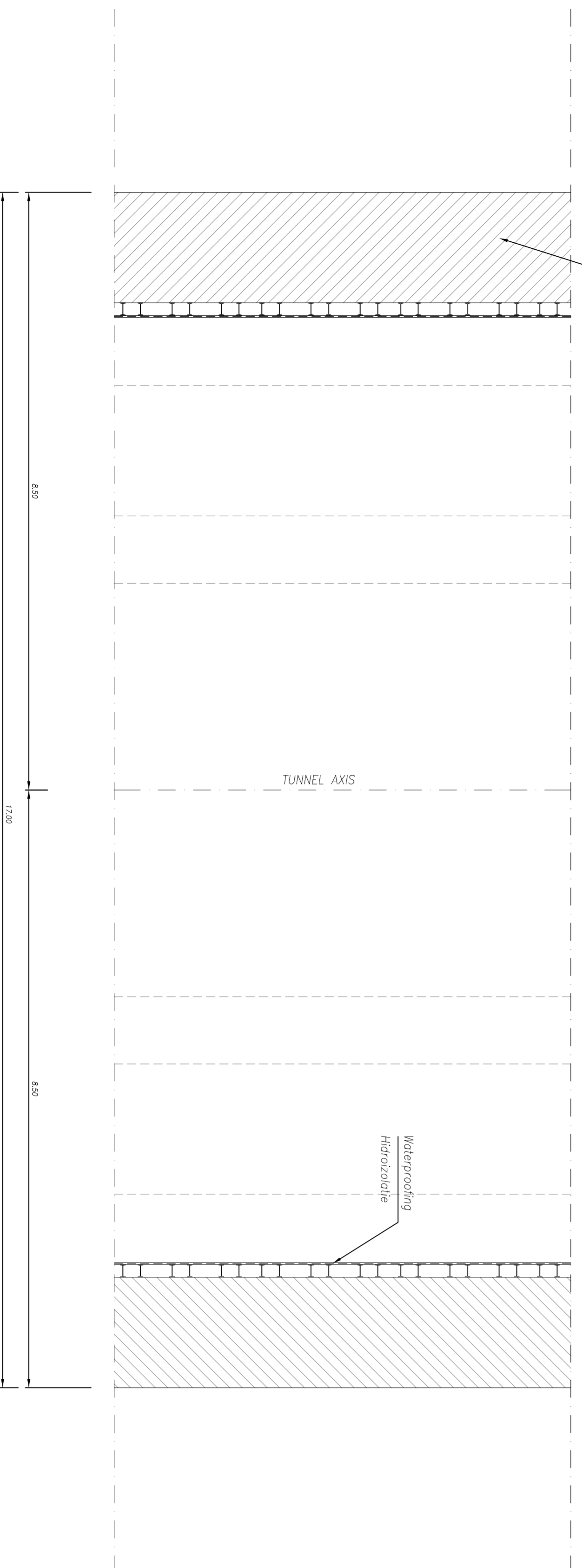
SECTION A-A
SECȚIUNEA CURENȚA A-A
Scale/Scara 1:50



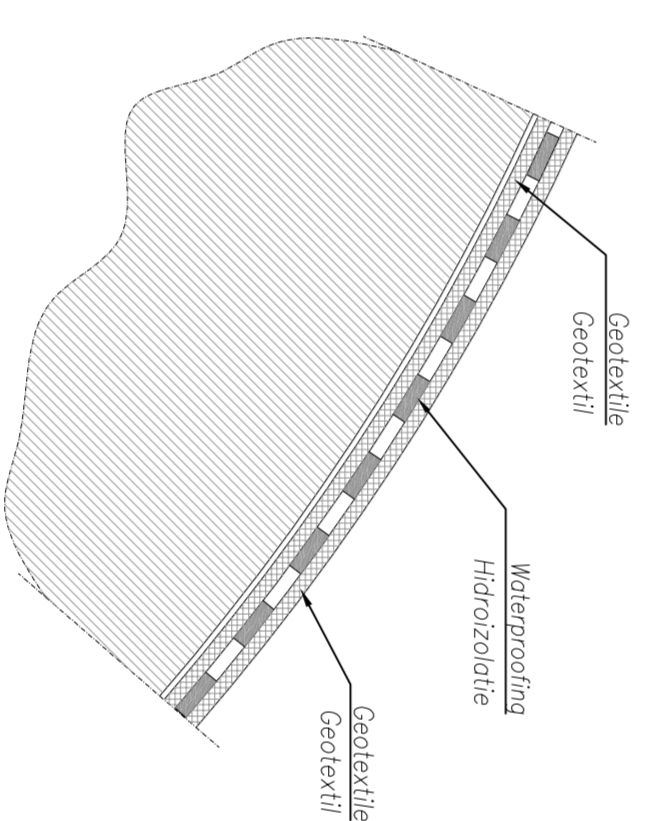
SECTION B-B
SECȚIUNEA B-B
Scale/Scara 1:50



SECTION C-C
SECȚIUNEA CURENȚA C-C
Scale/Scara 1:50



WATERPROOFING TUNNEL CROWN DETAIL
DETALIU CORONA TUNELULUI HIDROIZOLATIEI
Scale/Scara 1:20



NOTE:
- The integrity of the concrete structures of the artificial and natural tunnels structure ISO Technical Specification for Interoperability.

NOTE:
- Integritatea structurilor de beton a tunelului artificial și natural, trebuie să fie asigurată în conformitate cu cerințele de interoperabilitate pentru structuri SI Specificații tehnice pentru interoperabilitate.

NOTE:
- Handrail shall be installed approximately of 1 m above walking providing a route to a safe area (4.2.2.7 Escape walkways TSJ).

NOTE:
- Baza de mână trebuie să fie instalată aproximativ la 1 m deasupra caili de evacuare oferind un traseu în-o zona sigură (4.2.2.7 evacuare traseu SIG).

NOTE:
- Escape signs shall be installed on the side walls of a maximum distance between escape signs of 50m (4.2.2.9 Escape Signs TSJ).

NOTE:
- Semnele de evacuare trebuie să fie instalate pe pereții laterali, la o distanță maximă între semne de evacuare de 50m (4.2.2.9 Escape Signs SIG).

MATERIAL TABLE	
TUNNEL LINING CONCRETE	
- Type C20	100%
- Min/Max cement ratio	<0.50
- Minimum structural Class	S35
- Minimum concrete cover	40 mm
- Max. aggregate	16 mm
- Max. aggregate	20 mm
- Max. aggregate	25 mm
TUNNEL CROWN CONCRETE	
- Type C20	100%
- Min/Max cement ratio	<0.50
- Minimum structural Class	S35
- Minimum concrete cover	40 mm
- Max. aggregate	16 mm
- Max. aggregate	20 mm
- Max. aggregate	25 mm
CONCRETE SHEET	
- Thickness	10 mm
- Modulus	30000 N/mm ²
LSM CONCRETE	
- Type	LSM 10
- Cement type	CEM III/V

LEGEND	
RP	= REFERENCE PLANE
EX	= EXCAVATIONS PLANE
PC	= CENTER'S PLANE

ID	NAME	DATE	STATUS
0			
1			
2			
3			
4			
5			

CLIENT / CLIENT

GOVERNUL ROMÂNIEI
ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CONSULTANT / CONSULTANT

TECNIC
Consulting Engineers

SUBCONSULTANT / SUBCONSULTANT

OBBERMEYER
JOHN - STEPHEN SMITH

CLIENT / CLIENT

CFR
CN.C.F. "C.F.R." - S.A.

CONSULTANT / CONSULTANT

TECNIC
Consulting Engineers

SUBCONSULTANT / SUBCONSULTANT

OBBERMEYER
JOHN - STEPHEN SMITH

CONFIRMATION / CONFIRMATION SYSTEM																		
E	A	1	0	1	C	1	6	B	B	G	A	1	1	0	0	0	3	0

SCALE / SCALA	
Scale / Scara	1:10
Scale / Scara	1:50
Scale / Scara	1:100
Scale / Scara	1:200
Scale / Scara	1:500
Scale / Scara	1:1000
Scale / Scara	1:2000
Scale / Scara	1:5000
Scale / Scara	1:10000

PROJECT / PROIECT	
Project / Proiect	2046R07697A002
Phase / Faza	P.1h. / 1.D.
Client / Client	CFR
Contract / Contract	2046R07697A002
Location / Locație	Șosea / Șosea
Drawn / Desenat	C. Ghimbăi
Checked / Verificat	C. Ghimbăi
Approved / Aprobat	C. Ghimbăi
Design / Desen	C. Ghimbăi
Author / Autor	C. Ghimbăi
Revision / Revizuire	