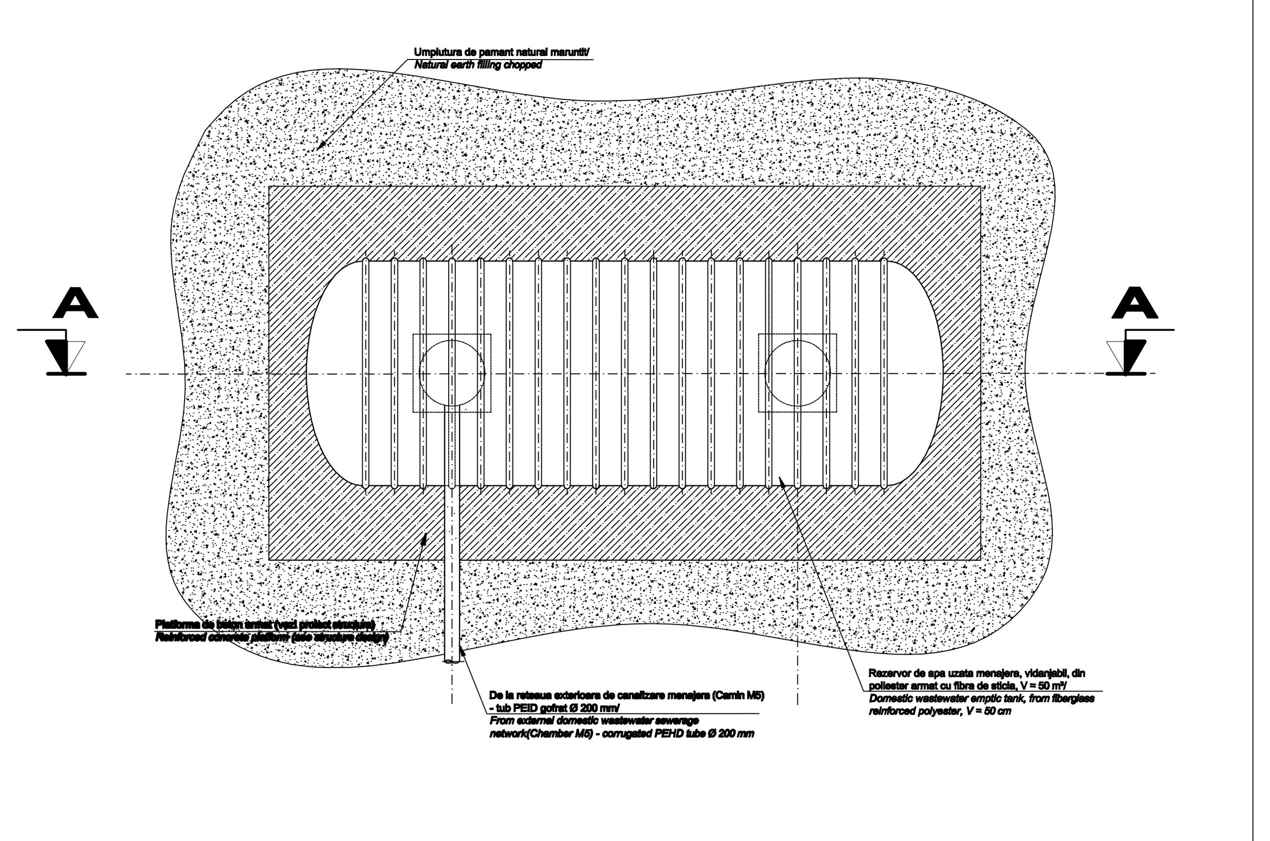
REZERVOR DE APA UZATA MENAJERA, VIDANJABIL, V = 50 m³/
DOMESTIC WASTEWATER EMPTIC TANK, V = 50 cm

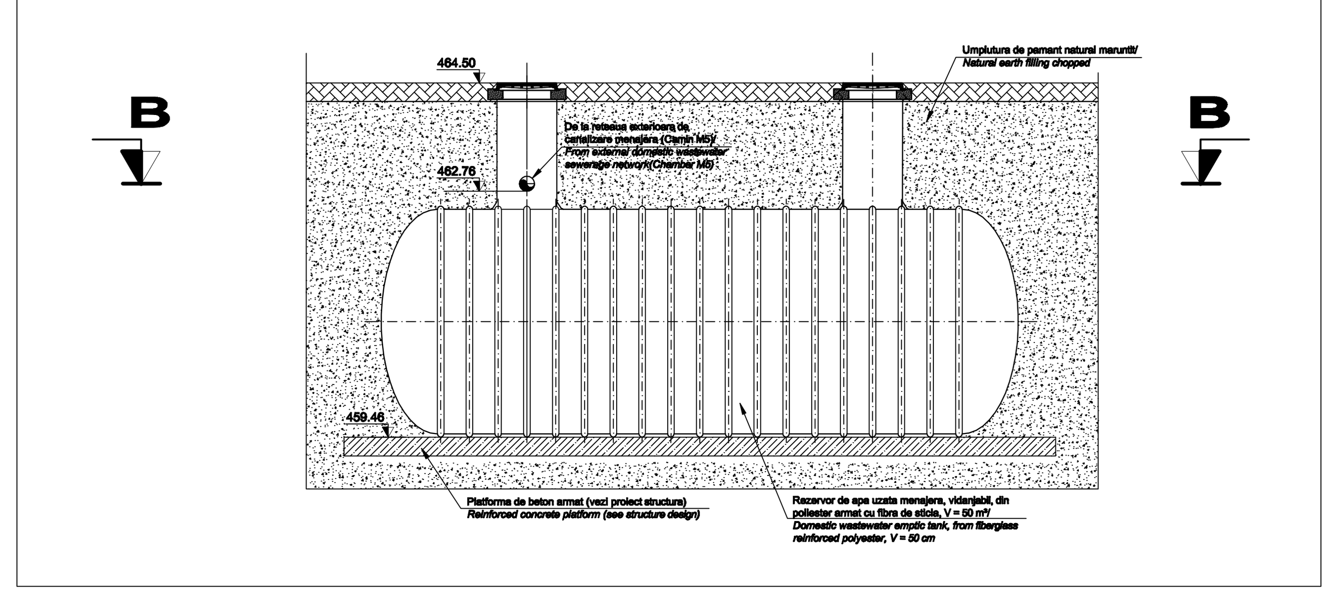
SECTIUNEA B - B/ SECTION B - B

Scara 1 : 50



SECTIUNEA A - A/ SECTION A - A

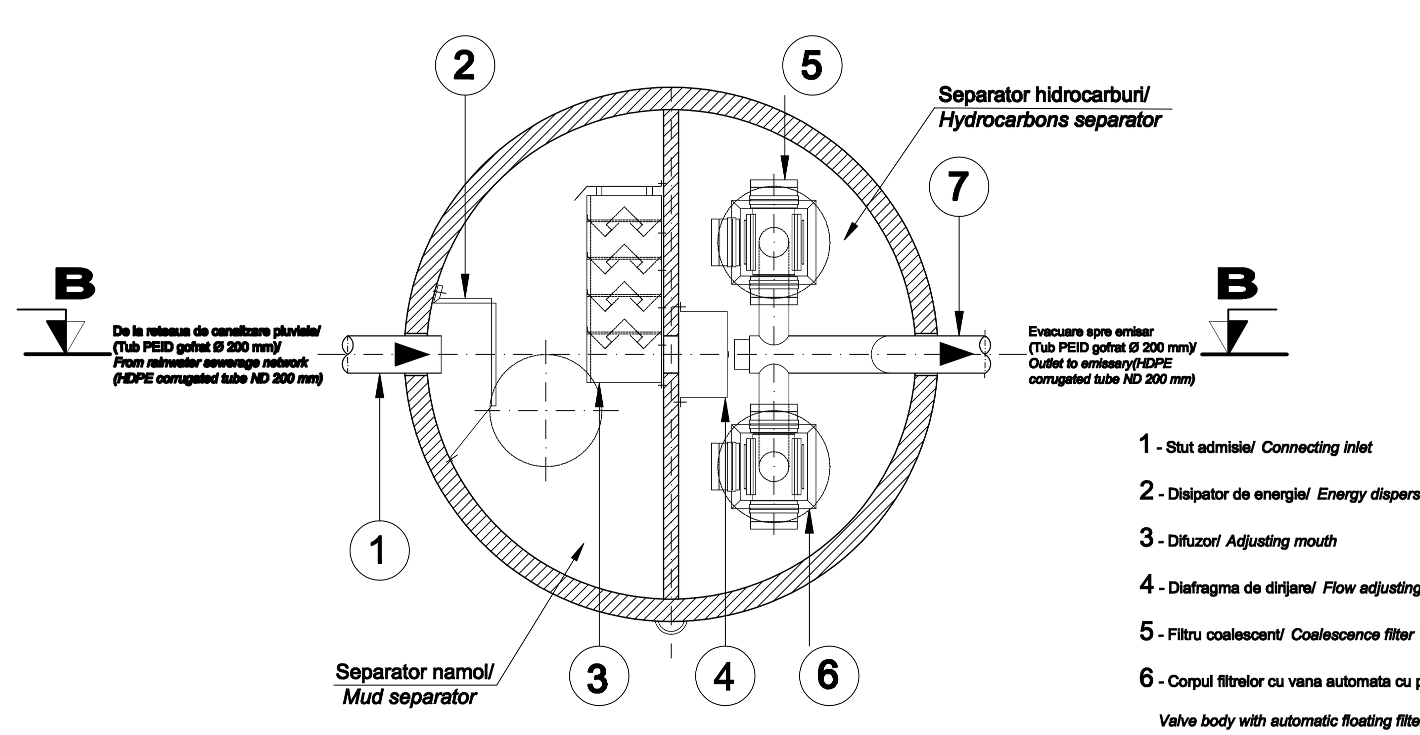
Scara 1 : 50



SEPARATOR DE NAMOL SI HIDROCARBURI/
MUD AND HYDROCARBONS SEPARATOR

SECTIUNEA A - A/ SECTION A - A

Scara 1 : 20



1 - Stut admisie/ *Connecting inlet*

2 - Disipator de energie/ *Energy disperser*

3 - Difuzor/ *Adjusting mouth*

4 - Diafragma de dirijare/ *Flow adjusting diaphragm*

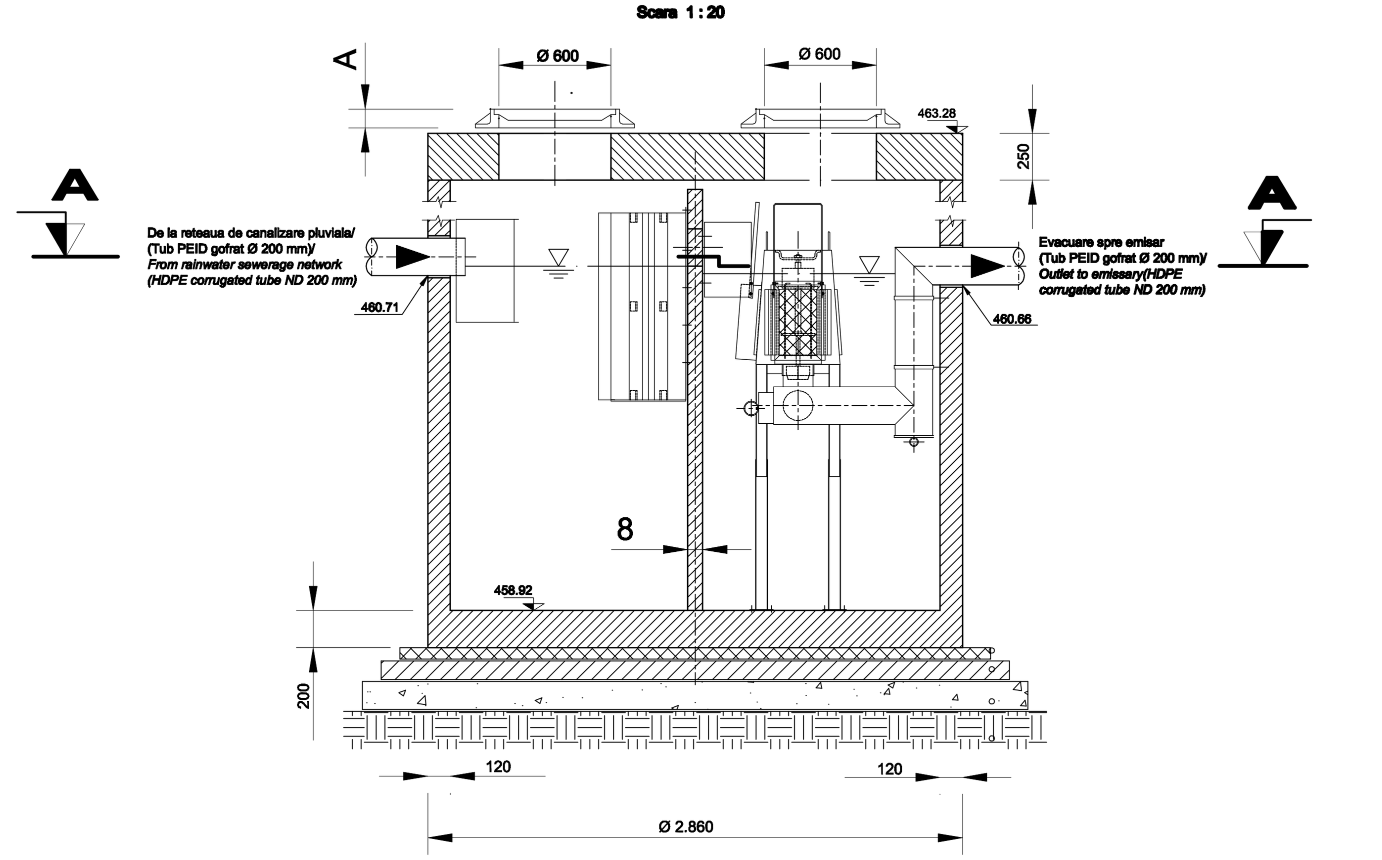
5 - Filtru coalescent/ *Coalescence filter*

6 - Corpul filtrelor cu vana automata cu plutitor/ *Valve body with automatic floating filters*

7 - Stut evacuare/ *Connecting Outlet*

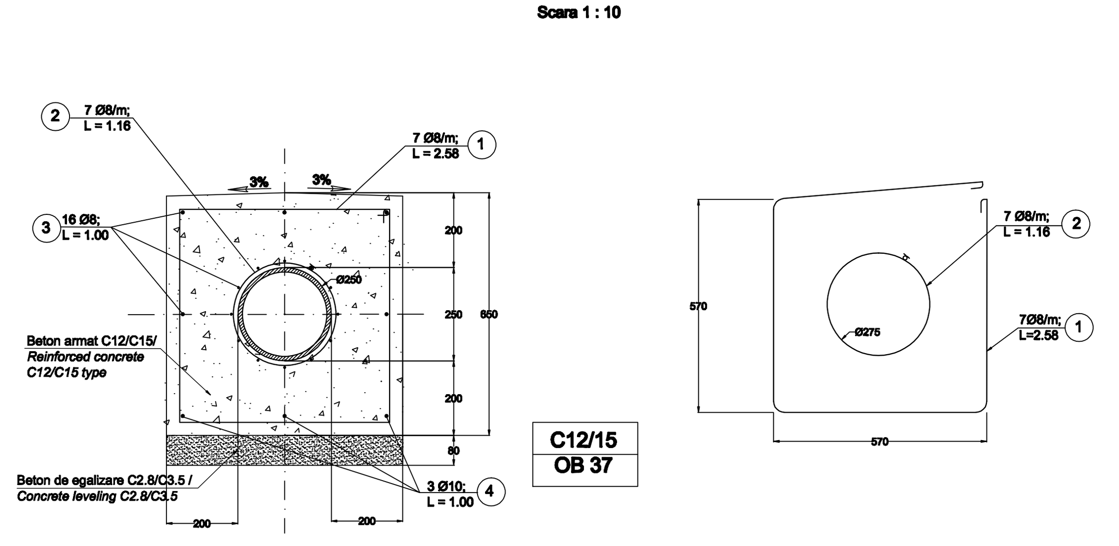
SECTIUNEA B - B/ SECTION B - B

Scara 1 : 20



DETALIU PROTECTIE SUBTRAVERSARE TUB PEID Ø 200 mm/
DETAIL UNDERCROSSING PROTECTION HDPE TUBE Ø 200 mm

Scara 1 : 10

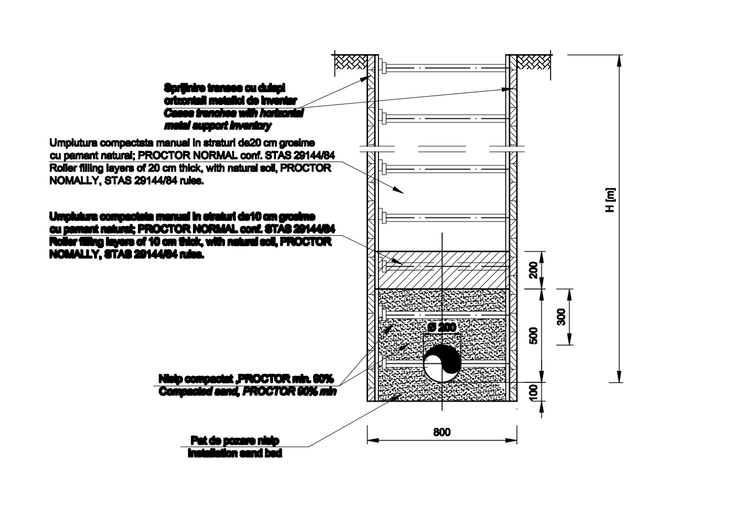


Extras de armare si beton pe metru de tub/
Reinforcement and concrete statement on the meter tube

Diametru/ *Diameter*	Marca/ *Mark*	Ø	Nr. buc./ *Pieces no.*	Lungimea (m)/ *Length(m)* Partiale/ *Partial*	Total (m/tub)/ *Total (m/tube)*	Greutatea OB37 (kg) Unitar/ *Unitary*	Total (kg/tub)/ *Total(kg/tube)*	Beton egalizare/ *Concrete leveling* mc/m	Beton armat/ *Reinforced concrete* mc/m	Cofraje/ *Boxing* mp/m
200 mm	1	8	7	2.58	18.06			0.052	0.374	1.46
	2	8	7	1.16	8.12					
	3	8	16	1.00	16.00					
					42.18	0.395	16.66			
	4	10	3	1.00	3.00	0.617	1.85			
							18.45			

DETALIU POZARE TUB PEID GOFRAT
Øext = 200 mm, IN TRANSEE
HDPE CORRUGATED TUBE LAYING
Øext = 200 mm IN THE TRENCHES DETAIL

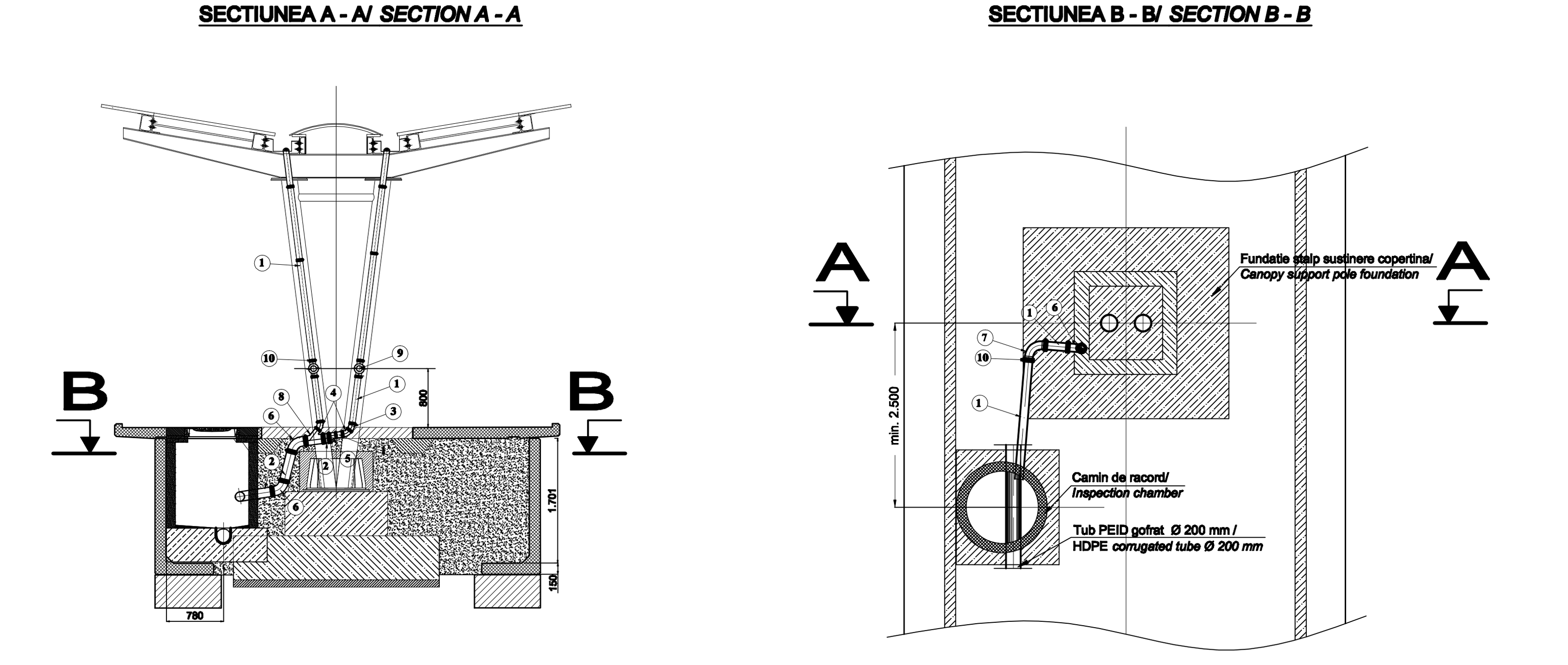
Scara/Scale: 1 / 20



DETALIU RACORD COLOANA PLUVIALA LA RETEAUA DE CANALIZARE PLUVIALA
DETAIL COLUMN CONNECTION TO THE NETWORK OF STORM DRAINAGE

Scara 1 : 50

SECTIUNEA A - A/ SECTION A - A | **SECTIUNEA B - B/ SECTION B - B**



LEGENDA/ LEGEND:

PIESE DIN FONTA DUCTILA / *DUCTILE CAST IRON PIECES*

1 - Tub Ø 80 mm/*Tube Ø 80 mm.*

2 - Tub Ø 100 mm/*Tube Ø 100 mm.*

3 - Cot la 30º, Ø 80 mm/ *30º bend, Ø 80 mm.*

4 - Cot la 45º, Ø 80 mm/ *45º bend, Ø 80 mm.*

5 - Reductie simetrica, Ø 100/80 mm/ *Symmetric reduction, Ø 100/80 mm.*

6 - Cot la 45º, Ø 100 mm/ *45º bend, Ø 100 mm.*

7 - Cot la 87º30', Ø 100 mm/ *87º30' bend, Ø 100 mm.*

8 - Ramificatie inegala, Ø 100/80/100 mm/*Unequal branch Ø 100/80/100 mm.*

9 - Tub cu piesa de curatire Ø 80 mm/ *Tube cleaning track Ø 80 mm.*

10 - Colier de cuplare/ *Clamp coupling.*

NOTA / *NOTE:*

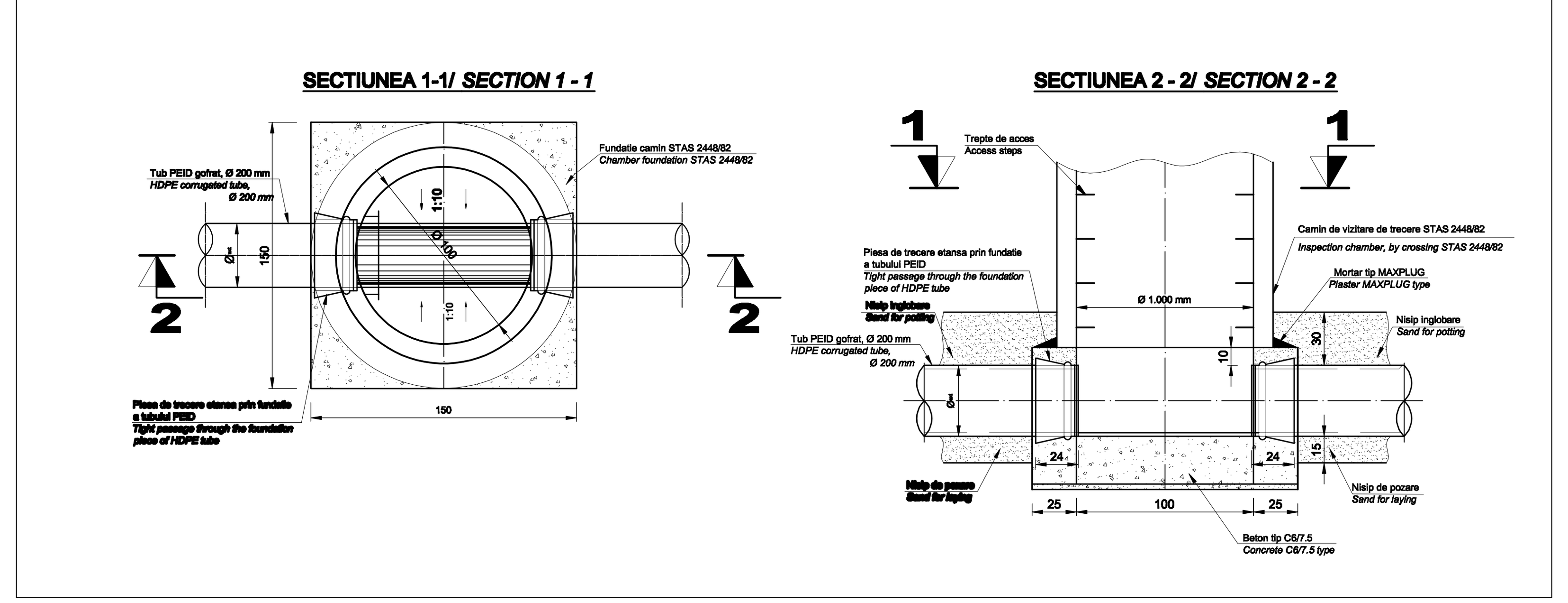
Detaliul de racordare al sifonului de terasa la acoperis si la tub se va consulta in proiectul de arhitectura.

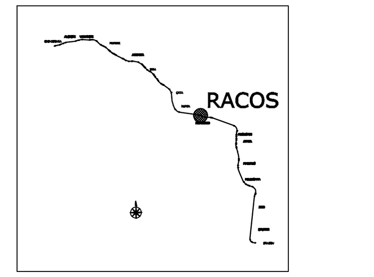
Detail connection of the terrace siphon to the roof and the tube will consult in the architectural design.

DETALIU ETANSARE TRECERE TUB PRIN PERETII CAMINULUI/
SEAL DETAIL FOR TUBE PASSED THROUGH THE CHAMBER WALLS

Scara/Scale: 1 / 20

SECTIUNEA 1-1/ SECTION 1 - 1 | **SECTIUNEA 2 - 2/ SECTION 2 - 2**





NOTA / *NOTE:*

* Zona de acoperire si patul de pozare sunt compactate la aproximativ 91% PROCTOR NORMAL, STAS 2914/97.

* In teren macroporic, conducta se va poza pe un pat de umplutura de 10 cm de pamant selectionat si bine compactat.

l_1 = latime sant conducta

l_2 = latime sant ramificatii bransamente

Ø = diametru conducta sau ramificatie bransament

** Coverage and laying bed will be compacted about 91% NORMAL PROCTOR, STAS 2914/97.*

** Macroporous field, the pipeline will be sit on a bed of 10 cm of earth filling and well compacted selected.*

l_1 = pipeline trench width

l_2 = trench width branching ramifications

Ø = diameter pipe or branch ramification

NOTA :

- Se va consulta impreuna cu planurile: Retele exterioare de apa si canalizare. Plan de situatie si Profile longitudinale ale retelelor de canalizare pluviala si menajera .
- Orice modificare a proiectului fara avizul proiectantului de specialitate, va cadea in responsabilitatea beneficiarului, proiectantul nemaifiind responsabil de functionarea deficienta a instalatiilor prevazute in proiect.

NOTE :

- *This drawing will be consulting with the following plans: Water supply and sewerage networks.Location plan and Longitudinal profiles from drainwater and domestic wastewater sewerage networks.*
- *Any change to the project without the advice of professional designer, will fall into responsabilities of the beneficiary, the designer no longer responsible for malfunctioning facilities specified in the project.*

EXECUTAREA LUCRARILOR DE MONTAJ A RETELELOR DE CANALIZARE APA UZATA MENAJERA SI PLUVIALA SE VA FACE CU RESPECTAREA PRESCRIPTIILOR DIN CAIETELE DE SARCINI SPECIFICE ACESTOR TIPURI DE LUCRARI.

THE EXECUTION OF THE FIXING WORKS FOR DOMESTIC WASTEWATER AND RAINWATER NETWORKS WILL BE CARRIED OUT ACCORDING TO THE PROVISIONS OF THE TECHNICAL SPECIFICATIONS THAT ARE INTENDED FOR THIS TYPE OF WORKS.

NOTA:

* CERINTA DE CALITATE MINIMA A EXIGENTELOR ESENTIALE ESTE Is CONFORM H.G.925-95.

* CATEGORIA DE IMPORTANTA "C" NORMALA, CALITATEA LUCRARILOR ASIGURANDU-SE DUPA MODELUL 3.

NOTE:

** MINIMUM QUALITY REQUIREMENT FOR ESSENTIAL NEEDS ARE Is ACCORDING H.G.925-95.*

** IMPORTANCE CATEGORY - NORMAL "C", THE WORK QUALITY WILL COMPLY WITH MODEL 3*

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

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT: C.N.C.F. "C.F.R." - S.A.

ITALFERR GRUPPO FERROVIE DELLO STATO *Joint Venture leader* — Scott Wilson — OBERMEYER PLANEN + BERATEN GmbH — TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data / Date	Semnătură / Signature
Aprobat / Approved	Şef proiect / Project manager	R. Liuzza	DEC. 2011	
Aprobat / Approved	Coordonator Secţiune 1 / Section 1 Coordinator	C. Gambelli	DEC. 2011	
Verificat / Checked	Expert Verificator / Verifier Expert	Giuseppe Fioravanti	DEC. 2011	

SUBCONTRACTANT / SUBCONTRACTOR ARE X COMPANY

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A. Stanciu - Dinulescu	DEC. 2011	
Întocmit / Elaborated	Proiectant / Designer	Florian DUŢĂ	DEC. 2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h, Tronsonul : Braşov - Sighişoara

Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Braşov - Sighişoara

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

Faza / Phase: D.E / E.D.

Denumire desen / Drawing Title :

Staţia CF RACOS. Retele exterioare de alimentare cu apa potabila, canalizare apa uzata menajera si pluviala. Detalii de executie la retelele de canalizare .

RACOS Railway Station. Water supply, domestic wastewater and rainwater sewerage networks. Design details for sewerage networks.

Codificare / Codification System	Scara / Scale 1 : 50	LOT / LOT	Nr. / No 01 / 01

E A 5 1 | 0 1 | E | 1 1 | B B | I S | 0 0 | 5 | 1 | 0 4 2 | 0

2,5A1 2.103 x 594 mm