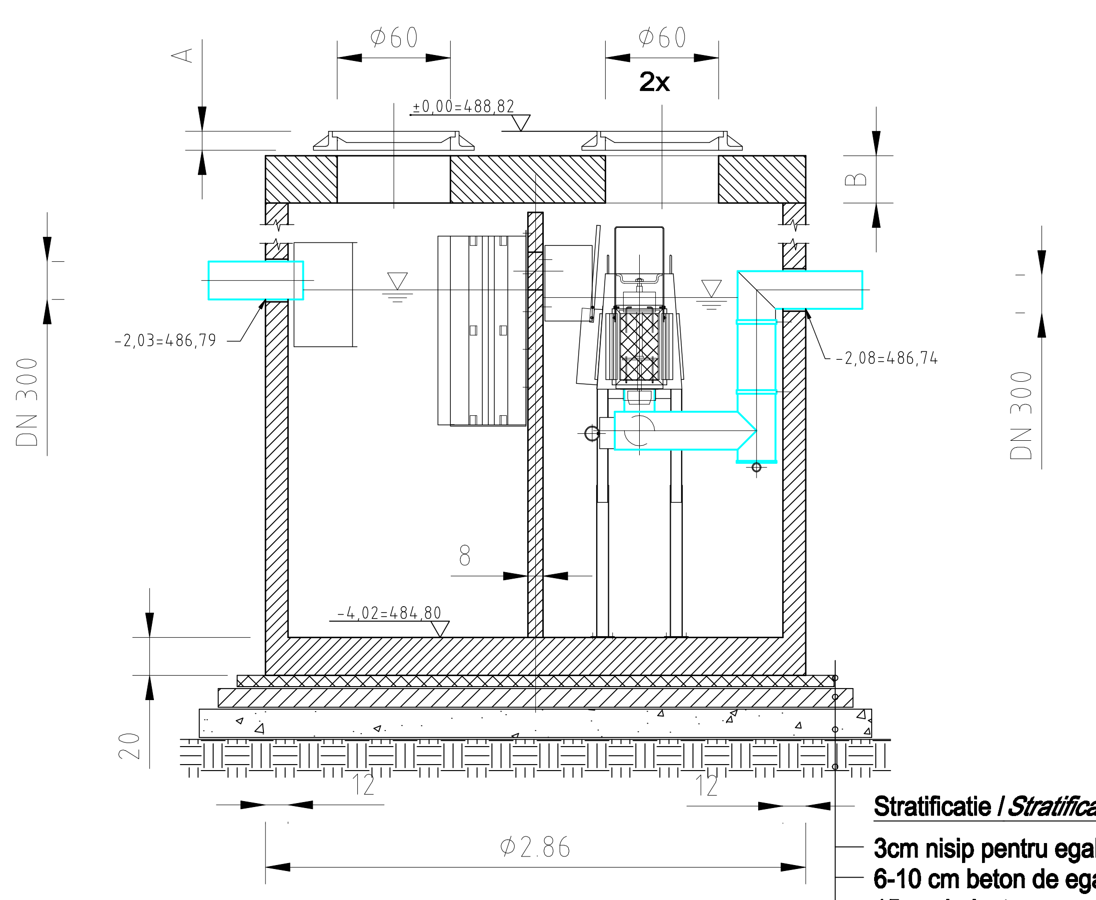
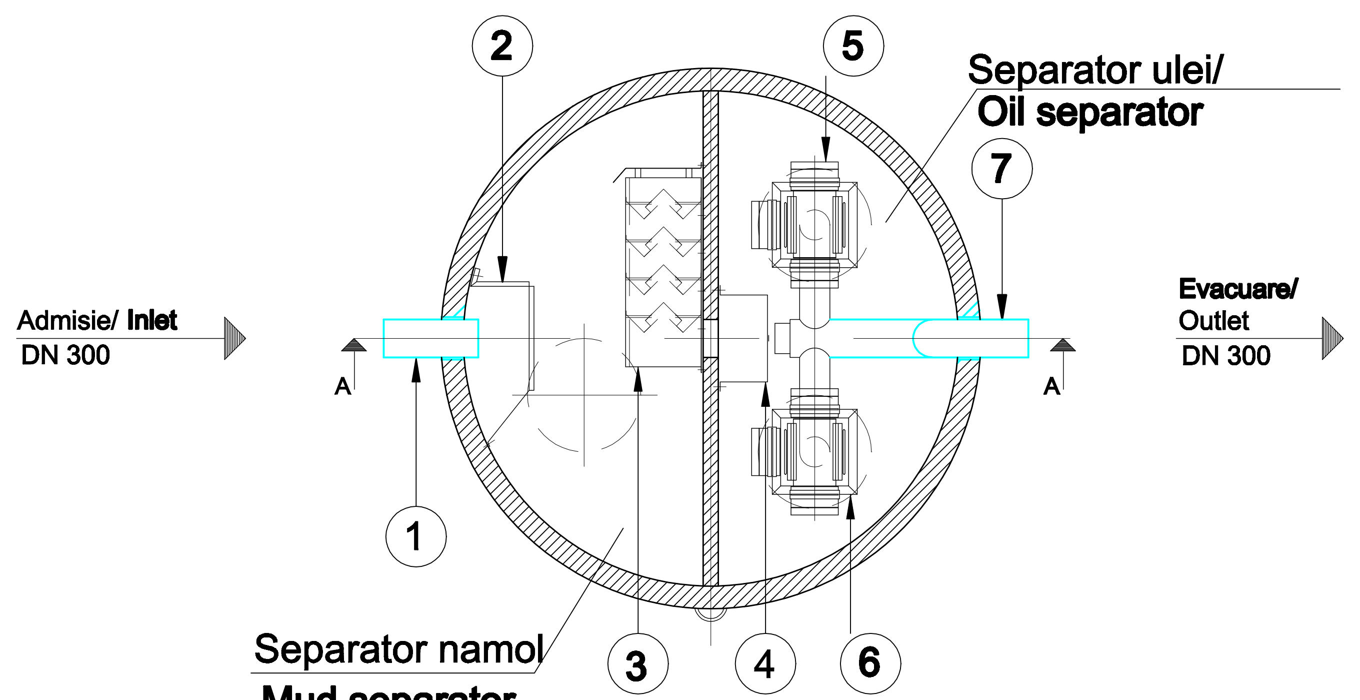
SEPARATOR DE NAMOL SI HIDROCARBURI/
RAIN WATER PUMPING STATION
SCARA/SCALE 1:20

SECTIUNEA A-A/*SECTIUNEA A-A*



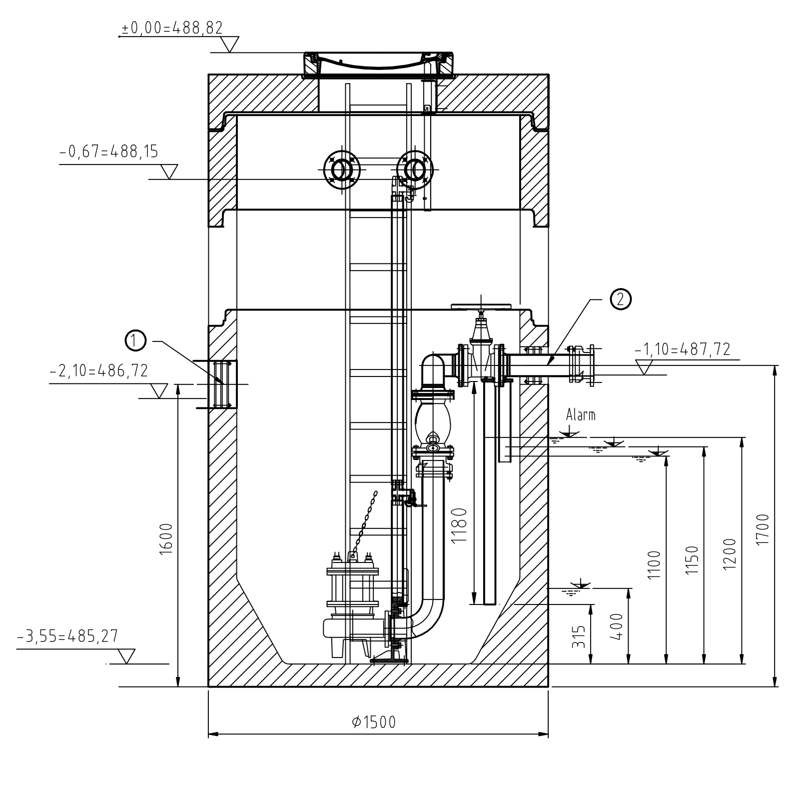
Stratificatie / *Stratification*
- 3cm nisip pentru egalizare/ *3cm levelling sand*
- 6-10 cm beton de egalizare/ *6-10cm levellingconcrete*
- 15 cm balast compactat/ *15cm compacted ballast*
- teren natural/ *natural ground*

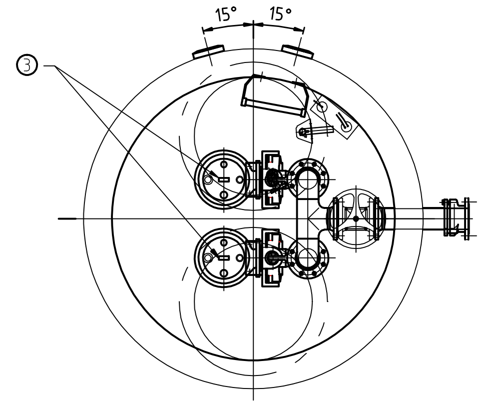
VEDERE DE SUS/ *TOP VIEW*



1. Stut admisie/ *Energy disperser*
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/ *Filter case with floating automatic valve*
7. Stut evacuare/ *Outlet*

STATIE POMPARE APE EPURATE PLUVIALE/
RAIN WATER PUMPING STATION
SCARA 1:20

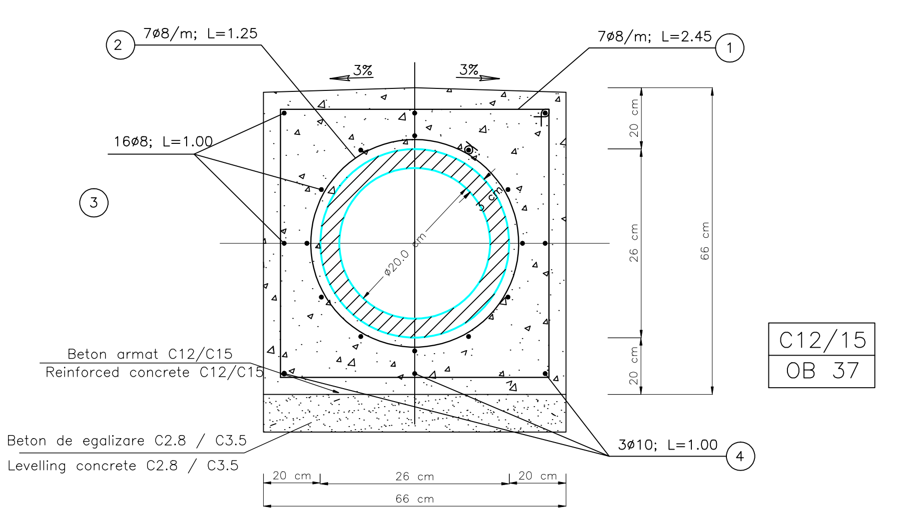


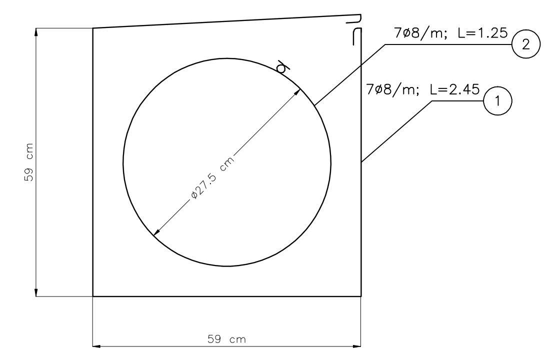


LEGENDA / LEGEND:

1. CONDUCTA INTRARE APE PLUVIALE EPURATE Dn300mm/ *TREATED RAIN WATER PIPE INLET Dn 300mm*
2. CONDUCTA REFULARE APE PLUVIALE EPURATE Dn 150mm/ *TREATED RAIN WATER PRESSURE PIPE Dn 150mm*
3. ELECTROPOMPA SUBMERSIBILA Q=50l/s, H=15mH_2O, P=12,8kW/ *SUBMERSIBLE PUMP Q=50l/s, H=15mH_2O, P=12,8kW.*

Detaliu protectie la subtraversare c.f. pentru conducta Ø 200 mm
Undercrossing railway protection for Ø 200 mm pipe
SCARA %

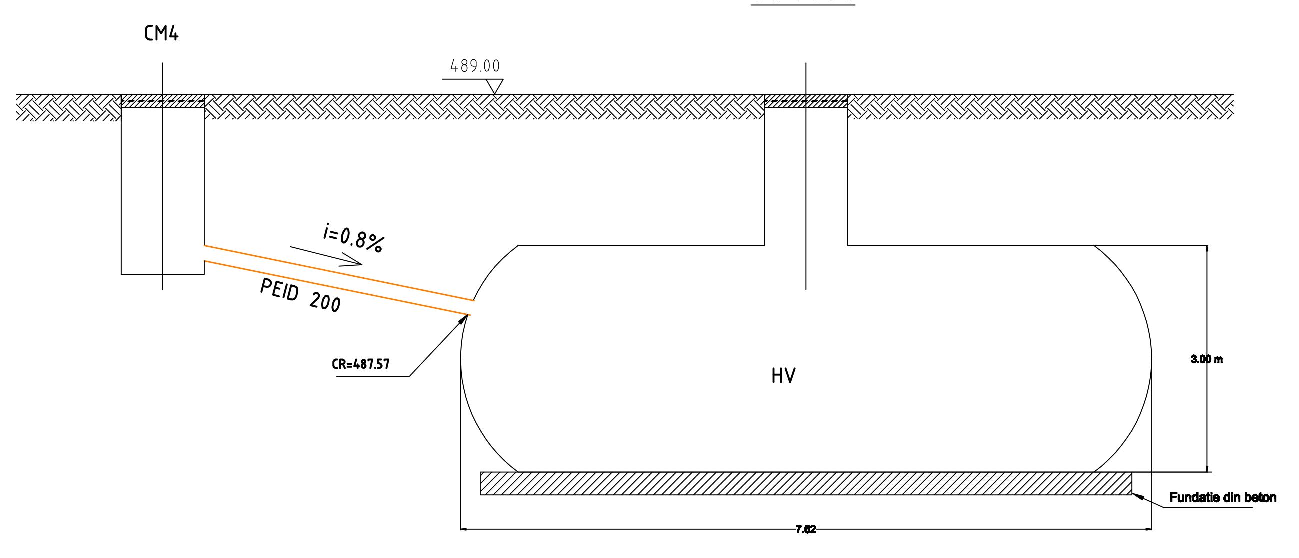




Extras de armare si beton pe metru de tub
Reinforcement and concrete table per cube meter

Diametru/ Diameter	Marca Mark	ø	Nr.buc. No.pcs.	Lungimea (m) Lenght (m) Partiale Partial	Total (m/tub) (m/tube)	Greutatea OB37 Weight OB37 Unitar	Total (kg/tub)	Beton egalizare Levelling concrete mc/m	Beton armat Reinforced concrete mc/m	Cofraje Shuttering mp/m
20 cm	1	8	7	1.25	8.75			0.066	0.386	1.52
	2	8	7	2.45	17.15					
	3	8	16	1.00	16.00					
					41.90	0.395	16.55			
	4	10	3	1.00	3.00	0.617	1.85			
							18.40			

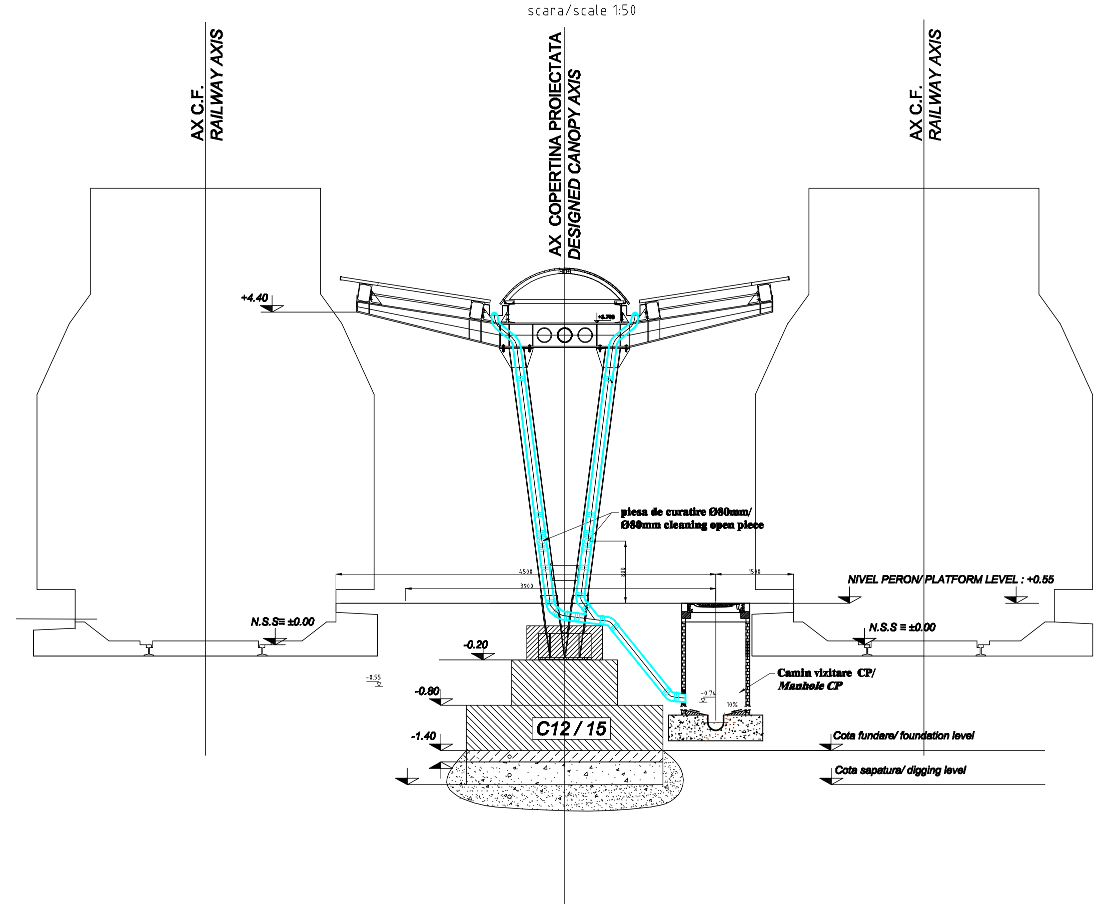
DETALIU HAZNA VIDANJABILA/ EMPTYING CHESSPOOL DETAIL
Sc 1 : 50

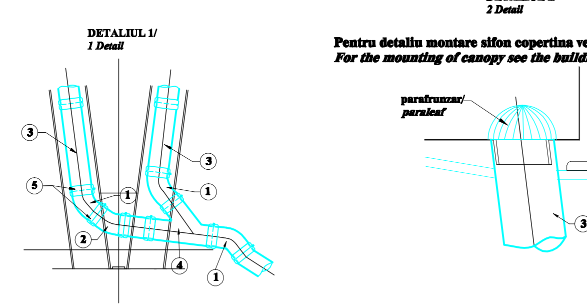


LEGENDA/ LEGEND

- CR cota radier / apron level
- HV hazna vidanjabila / emptying cesspool
- CM4 camin vizitare pemtru canalizare menajera / domestic sewer manhole

DETALIU COBORARE COLOANA PLUVIALA COPERTINA/ *CANOPY RAIN COLUMN DETAIL*
SECTIUNE TRANSVERSALA A - A *A - A CROSS SECTION*
scara/scale 1:50





Pentru detaliu montare sifon copertina vezi proiect constructii/
For the mounting of canopy see the building project

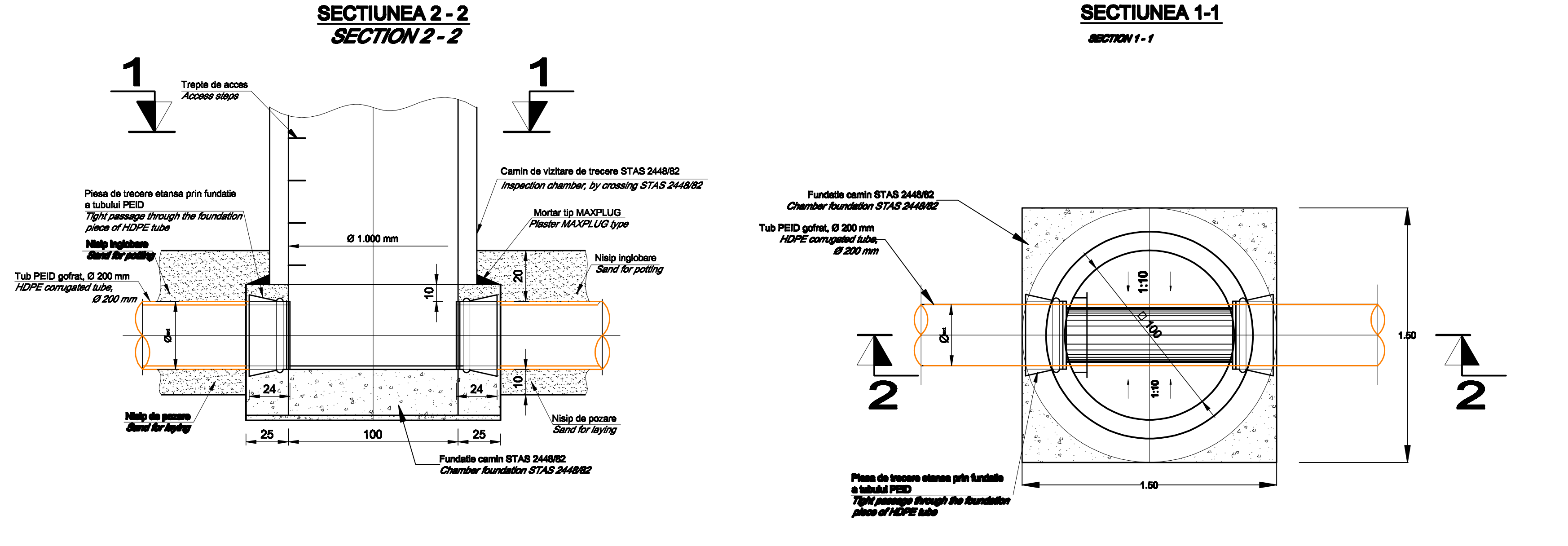
LEGENDA / *LEGEND*

Piese din fonta maleabila / *Cast iron pieces*

1. Cot la 45° / *45° elbow*
2. Cot la 30° / *30° elbow*
3. Tub Ø80mm / *Ø80mm tube*
4. Ramificatie egala 100/80 la 45° / *Equal ramification 100/80 at 45°*
5. Bratara de prindere / *Fastening clip*

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

Scara/ : 1 / 20 Scale



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.

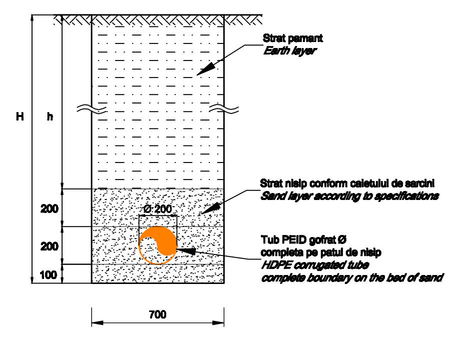
THE EXECUTION OF THE FIXING WORKS FOR DOMESTIC WASTEWATER AND RAINWATER NETWORKS WILL BE CARRIED OUT ACCORDING TO THE PROVISIONS OF THE TECHNICAL SPECIFICATIONS THAT ARE INTENDED FOR THIS TYPE OF WORKS.

ATENTIE !

DUPA FINALIZAREA LUCRARILOR DE MONTAJ A COLECTOARELOR DE CANALIZARE, SE VA EXECUTA PROBA DE ETANSEITATE (INAINTEA EXECUTARII UMPLUTURII) IN CONFORMITATE CU PRESCRIPTIILE DIN CAIETUL DE SARCINI.

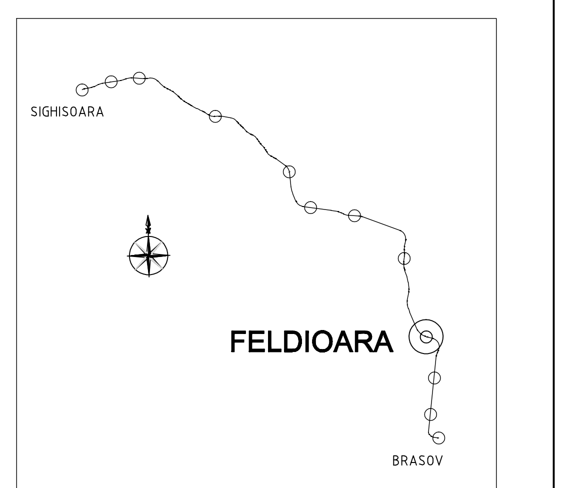
DETALIU POZARE TUB PEID GOFRAT Ø$_{ext}$ 200 mm, IN TRANSEE
HDPE CORRUGATED TUBE LAYING Ø$_{ext}$ 200 mm IN THE TRENCHES DETAIL

Scara/ Scale : 1 / 20



ATENTION !

AFTER COMPLETION OF WORKS FOR ASSEMBLING A COLLECTOR SEWER, WILL RUN TIGHTNESS TEST (BEFORE THE EXECUTION FILLING) IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS.



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 FINANȚAT 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

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	DEC. 2011	
Întocmit Elaborated	Proiectant Designer	Cristina Radu	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 :
DETALII EXECUTIE RETEA DE CANALIZARE + PROTECTII LA SUBTRAVERSARE CF - STATIA FELDIOARA
DETAILS OF SEWERAGE NETWORK + UNDERCROSSING RAILWAY PROTECTION - FELDIOARA STATION

Codificare / Codification System	Scara / Scale 1 : 20	LOT / LOT	Nr. / No 01 / 01

E A 5 1 | 0 1 | E | 0 7 | B C | I S | 0 0 | 3 | 1 | 0 4 7 | 1

2.5A1 594 x 2103 mm