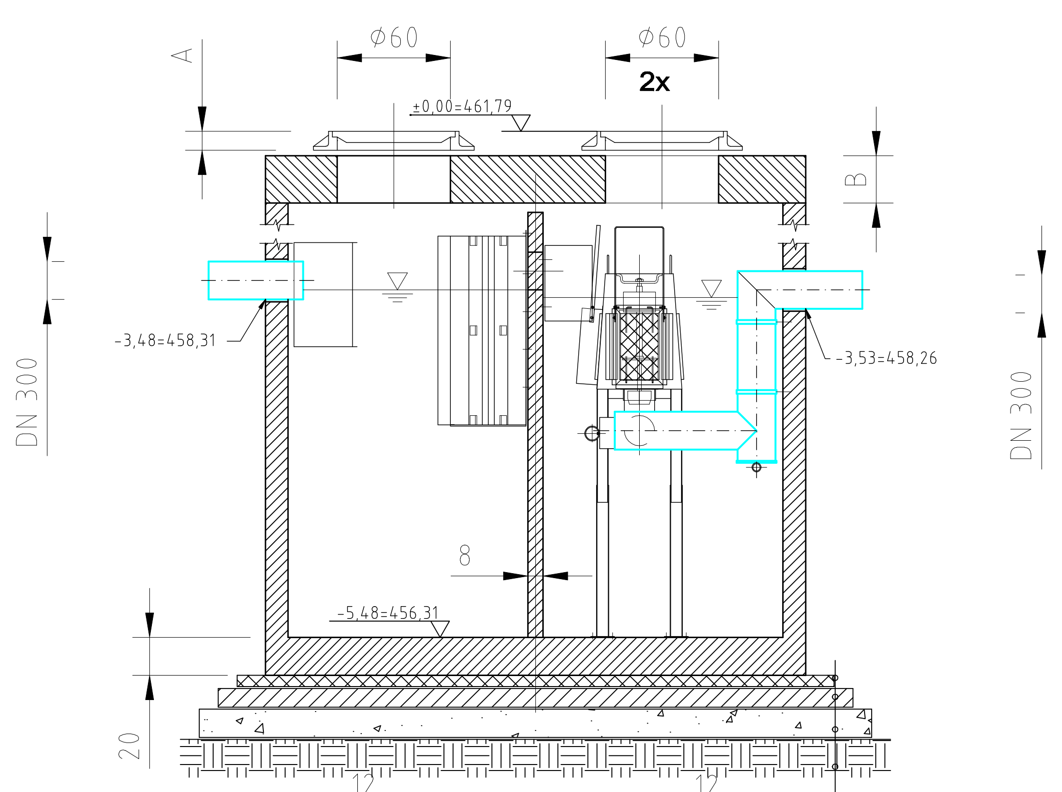
SEPARATOR DE NAMOL SI HIDROCARBURI/
RAIN WATER PUMPING STATION
SCARA/SCALE 1:20

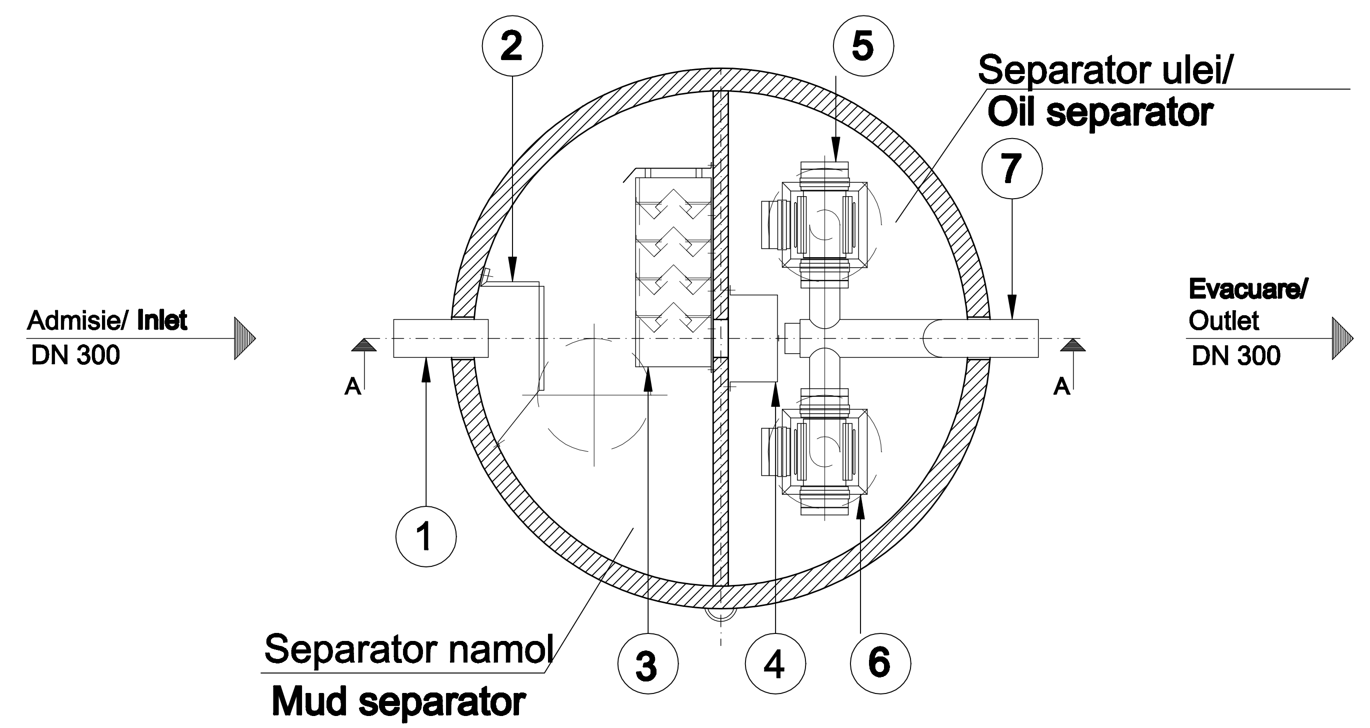
SECTIUNEA A-A/*SECTIUNEA A-A*



Stratificatie / *Stratification*

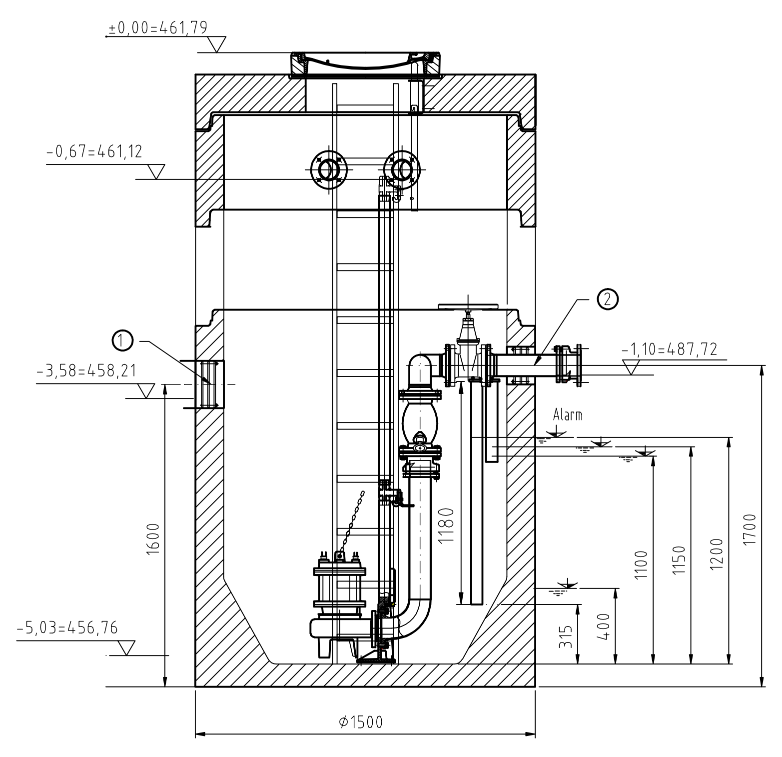
- 3cm nisip pentru egalizare/ *3cm levelling sand*
- 6-10 cm beton de egalizare/ *6-10cm levellingconcrete*
- 15 cm balast compactat/ *15cm compacted ballast*
- teren natural/ *natural ground*

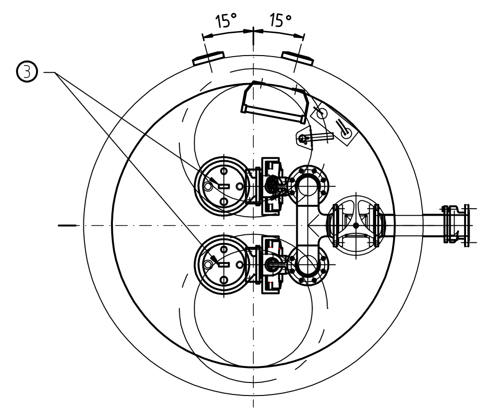
VEDERE DE SUS/ *TOP VIEW*



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

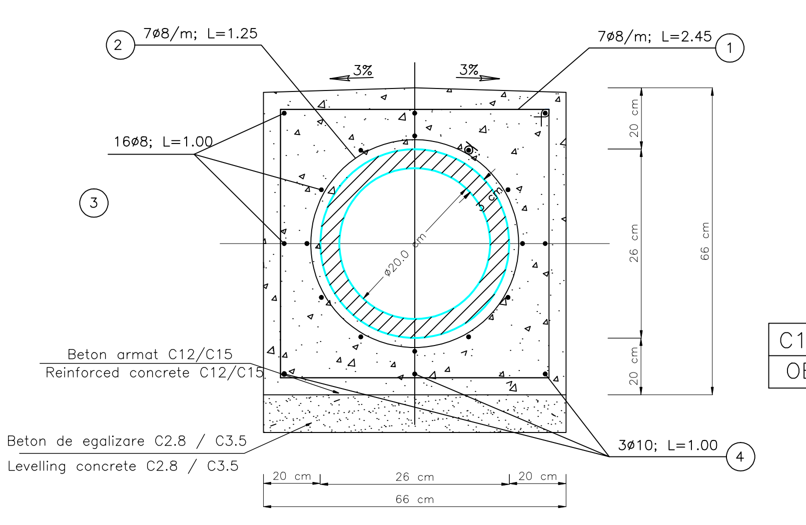


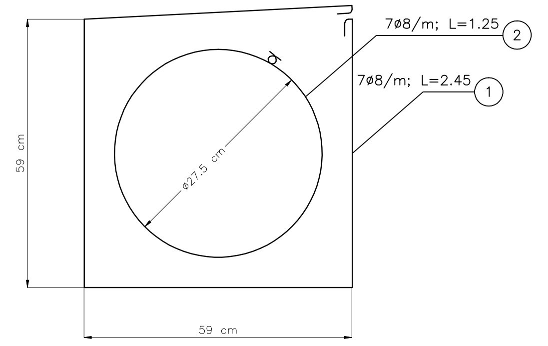


LEGENDA / *LEGEND*

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=15mH2O, P=12,8kW/ *SUBMERSIBLE PUMP Q=50l/s, H=15mH2O, P=12,8kW*

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



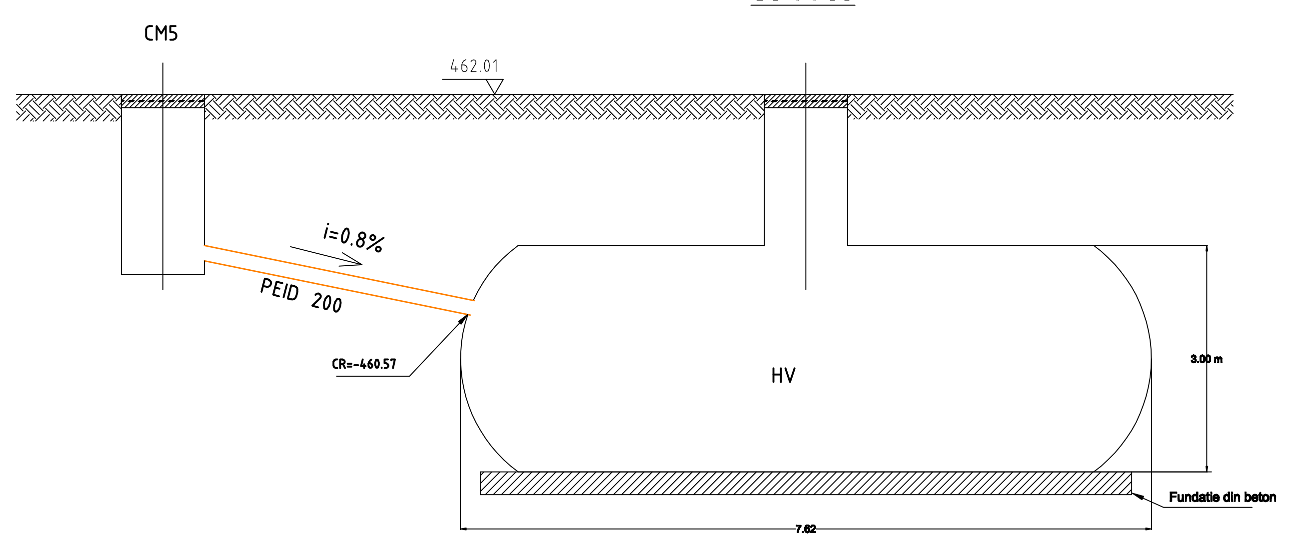


Extras de armare si beton pe metru de tub
Reinforcement and concrete table per cube meter

Diametru/ Diameter	Marca Mark	Ø	Nr.buc. No.pcs.	Lungimea (m) Lenght (m) Partiale Partial	Lungimea (m) Total (m/tub) (m/tube)	Greutatea OB37 Weight OB37 Unitar	Greutatea OB37 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



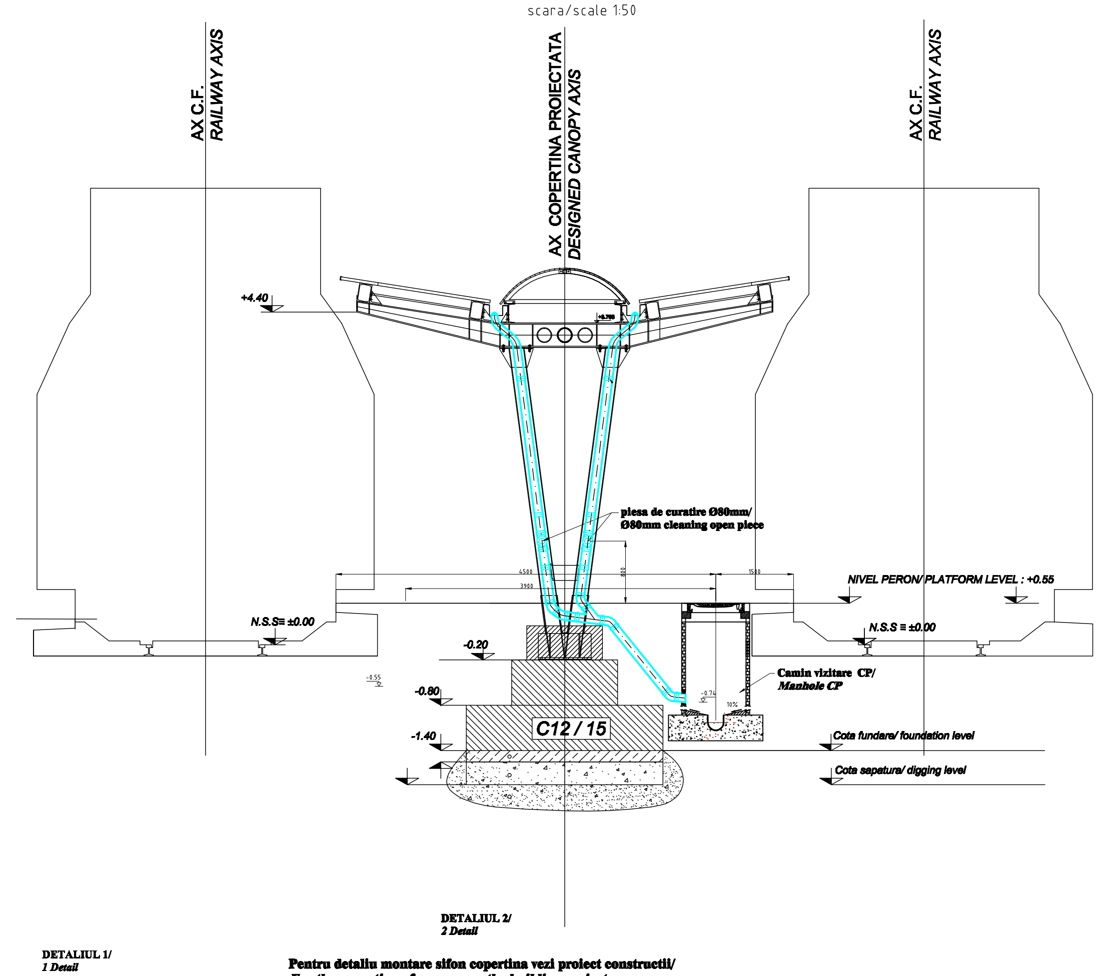
LEGENDA/ LEGEND

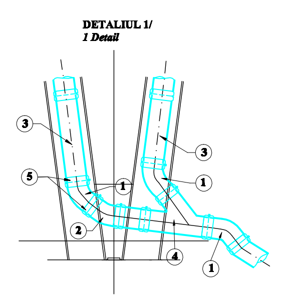
- CR cota radier / apron level
- HV hazna vidanjabila / emptying cesspool
- CM3 camin vizitare pentru canalizare menajera / domestic sewer manhole

DETALIU COBORARE COLOANA PLUVIALA COPERTINA/ *CANOPY RAIN COLUMN DETAIL*

SECTIUNE TRANSVERSALA A - A *A - A CROSS SECTION*

scara/scale 1:50





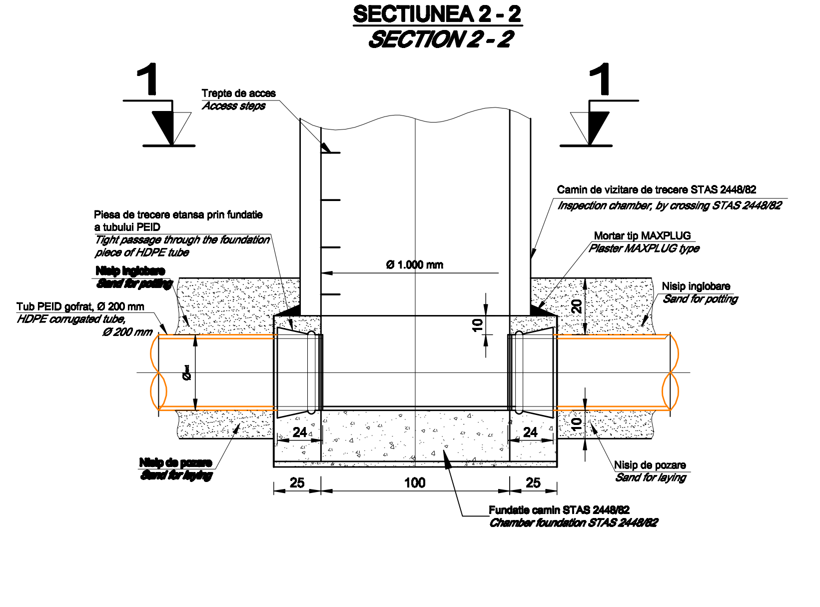
LEGENDA / LEGEND

DETALIU ETANSARE TRECERE TUB PRIN PERETII CAMINULUI/

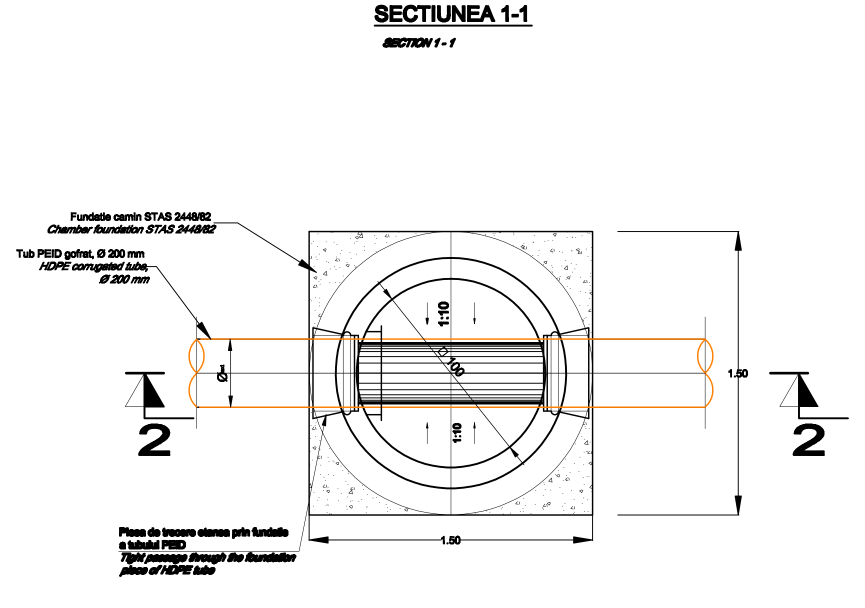
SEAL DETAIL FOR TUBE PASSED THROUGH THE CHAMBER WALLS

Scara/ : 1 / 20 Scale

SECTIUNEA 2 - 2
SECTION 2 - 2



SECTIUNEA 1-1
SECTION 1 - 1



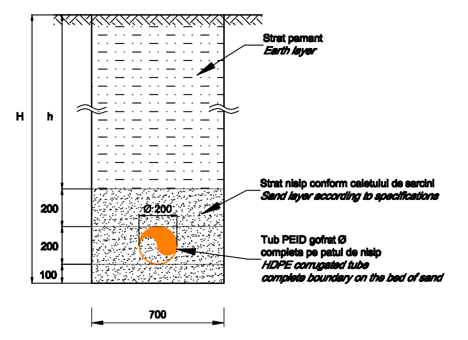
EXECUTAREA LUCRARILOR DE MONTAJ A RETELELOR DE CANALIZARE APA UZATA MENAJERA SI PLUVIALA SE VA FACE CU RESPECTAREA PRESCRIPTIILOR DIN CAIETELE DE SARCINI SPECIFICE ACESTOR TIPURI DE LUCRARI.

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.

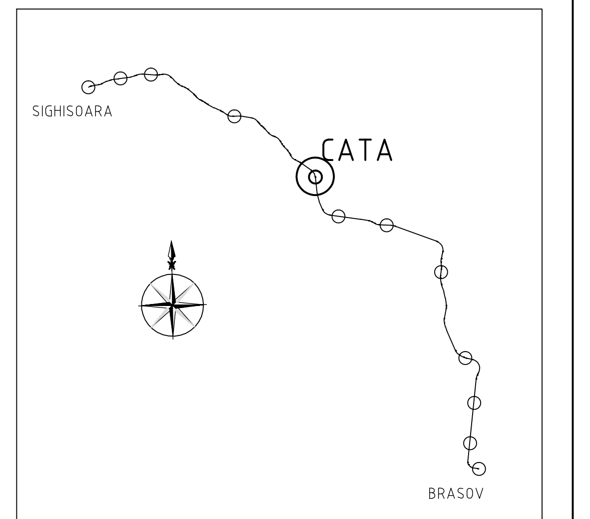
ATENTIE !

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
Øext 200 mm, IN TRANSEE
HDPE CORRUGATED TUBE LAYING
Øext 200 mm IN THE TRENCHES DETAIL
Scara/ Scale : 1 / 20



ATENTION !



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 Secțiune 1 Section 1 Coordinator	C. Gambelli	DEC. 2011	
Verificat Checked	Expert Verificator Verifier Expert	Giuseppe Fioravanti	DEC. 2011	

SUBCONTRACTANT / SUBCONTRACTOR — AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	DEC. 2011	
Întocmit Elaborated	Proiectant Designer	Radu Cristina	DEC. 2011	

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

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

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

Denumire desen / Drawing Title :
STATIA CATA - DETALII EXECUTIE RETEA DE CANALIZARE+PROTECTII LA SUBTRAVERSARE
CATA STATION - DETAILS OF SEWERAGE NETWORK + UNDERCROSSING RAILWAY PROTECTION

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
EA51 01 E 13 BC IS 00 6 1 037 1	1 : 20		01 / 01

2.5A1 594 x 2103 mm