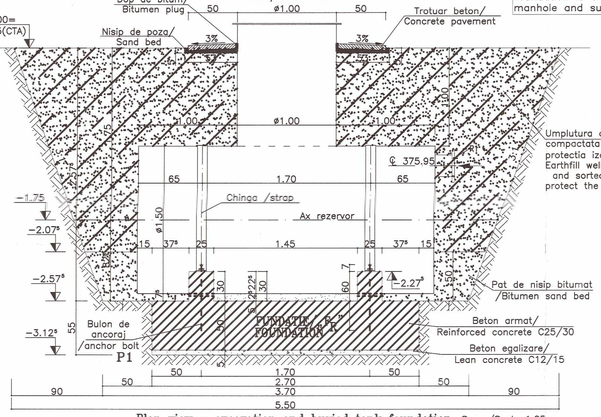
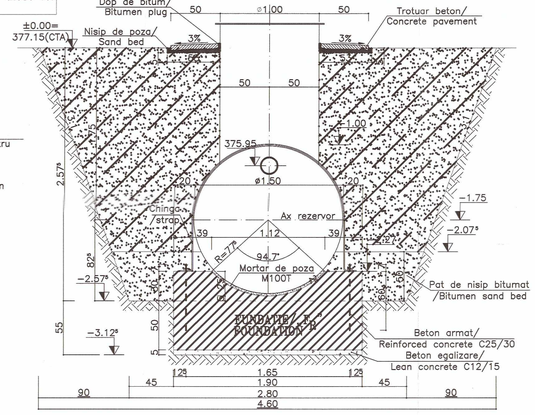
Sectiunea/Section A–A Montaj/Assembly

Scara/Scale 1:25



Sectiunea/Section B–B Montaj/Assembly

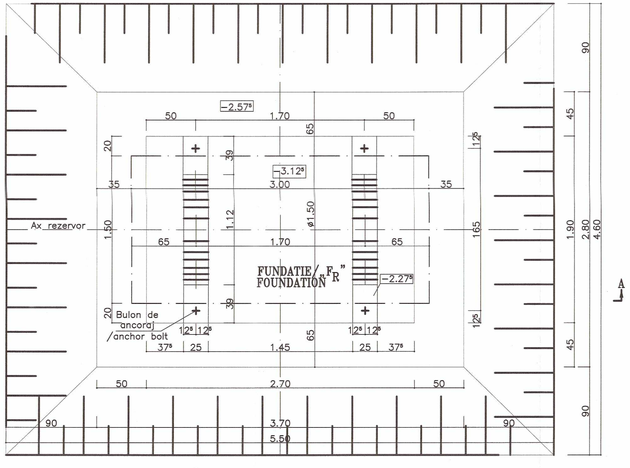
Scara 1:25



Sapatura pentru executia fundatiei se executa inaintea celor pentru camin si suporturi./ The excavation for foundation is executed before those for manhole and supports.

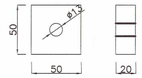
Plan view – excavation and buried tank foundation

Scara/Scale 1:25

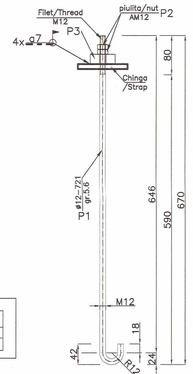


Strangerea suruburilor se va face simultan pe ambele laturi ale chingii.
/Tightening of the bolts will be done simultaneously on both sides of the strap.

P3 20x50x50 Saiba/washer
1:2.5(cote/dimensions in mm)



Surub/Bolt STAS 2350–92
tip/type H–670–M12x80–CP
1:5(cote/dimensions in mm)

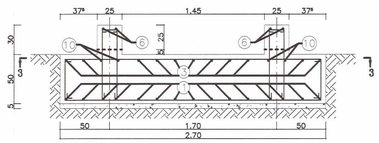


DETALIU DE FASONARE A ARMATURII/
REBAR BENDING DETAIL

Diametrul barei	
Diametrul barei	Diametrul barei in cazul ciocurilor si bucatelor
R< 16mm	4R
R> 16mm	7R

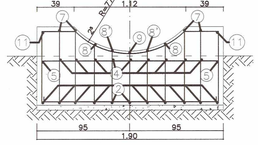
SECTIUNEA/SECTION 1–1

Scara/Scale 1:25



SECTIUNEA/SECTION 2–2

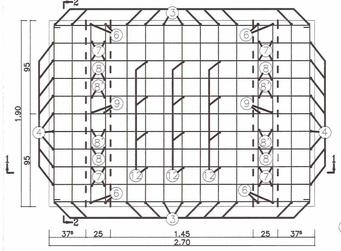
Scara/Scale 1:25



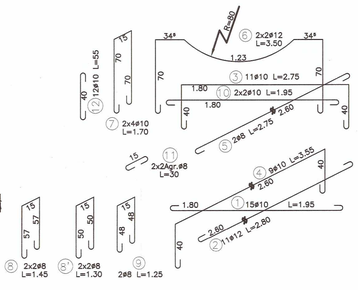
SECTIUNEA/SECTION 3–3

ARMARE IN PLAN ORIZONTAL/HORIZONTAL REINFORCEMENT

Scara/Scale 1:20



DETALII FASONARE ARMATURI/REINFORCEMNT MOULDING DETAILES



BETON TROTUAR TURNAT PE LOC/
CONCRETE PAVEMENT CAST IN PLACE
C25/30; S3; XC4+XF3; Cl 0,20; Dmax 16
BETON EGALIZARE/ LEAN CONCRETE
C12/15; S2; X0; Cl 1,00; Dmax 22
BETON ARMAT/ REINFORCED CONCRETE
C25/30; S3; XC4; Cl 0,20; Dmax 16
OTEL BETON/RE–BAR GB37
PLASA SUDATA/WELDED WIRE
MESH SR 438–3/2012
150mmx150mm–0.5mx0.5m STNB 4
MORTAR/GROUT M100T

EXTRAS DE ARMATURI/ BAR BENDING SCHEDULE Fundatie/Foundation Fr

Marca/ Mark	Nr. de bare No. pcs.	Lungimea barei/Bar length	Tip de otel/Steel tipe: OB 37 Total lung pe # si marca/ Total length per # and mark		
			ø8	ø10	ø12
1	10	15	1.95	29.25	
2	12	11	2.80		30.80
3	10	11	2.75	30.25	
4	10	9	3.65	31.95	
5	8	2	2.75	5.50	
6	12	4	3.50		14.00
7	10	8	1.70	13.60	
8	8	4	1.45	5.80	
8'	8	4	1.30	5.20	
9	8	2	1.25	2.50	
10	10	4	1.95	7.80	
11	8	4	0.30	1.20	
12	10	12	0.55	6.60	
Total lungime pe #/ Total lengths per #			20.20	119.45	44.80
Masa pe metru linear/ Total lengths per # and m			0.395	0.617	0.888
Masa totala pe #/ Total weight per #			7.80	73.70	39.80
Masa totala pe tip otel Total weight per steel type			121.30kg		

EXTRAS DE PLASE SUDATE/ WELDED WIRE MESH SCHEDULE

Marca/ Mark	Tipul plasei/Mesh type	Dimensiuni/ B	Dimensiuni/ L	Aria plasei/Mesh area (mp)	Masa pe mp/ Weight per sm (Kg)	Nr. Plase/Mesh pcs.	Masa/Weight (Kg) Pe plasa/ By mesh	Masa/Weight (Kg) Total
P5	SR 438-3/2012 150mmx150mm STNB 4	-	-	2.40	1.36	1	3.26	3.26

CARACTERISTICI AMPLASAMENT

ZONA CALCUL SEISMIC CU: ag=0.35g si Tc=0.70s CONF. P100–1/2013
ZONA INCARCARE CARACTERISTICA CU ZAPADA PE SOL 2.0 KN/mp
CONF COD CR1–1–3–2012
ZONA PRESIUNE DE REFERINTA VANT 0.4 KPa CONF. COD CR1–1–4–2012

SITE CHARACTERISTICS

SEISMIC DESIGN AREA WITH: ag=0.35g and Tc=0.7s ACC. TO P100–1/2013
CHARACTERISTIC LOAD AREA WITH SNOW ON GROUND 2.0 KN/mp
CONF. CODE CR1–1–3–2012
REFERENCE PRESSURE AREA OF 0.4 KPa ACC. TO CODE CR1–1–4–2012

FUNCTIONAL CHARACTERISTICS

IMPORTANCE CATEGORY: D ACCORDING TO H.G. 766–97
IMPORTANCE CLASS: III ACCORDING TO P100–1/2013

CARACTERISTICI FUNCTIONALE

CATEGORIA DE IMPORTANTA: D, CONFORM H.G. 766–97
CLASA DE IMPORTANTA : III, CONFORM P100–1/2013

Nota

– *Pozitionarea* conform **PR1193-CS01-01** plan amplasare si coordonate stereo constructii
– La executie se vor respecta prescriptiile tehnice din urmatoarele acte normative:
– C 83– 1975 Indrumator pentru executarea trasarii de detaliu in constructii;
– C 169–88 Normativ privind executarea lucrarilor de terasamente pentru realizarea fundatiilor constructiilor civile si industriale;
– NP 112–2014 Normativ pentru proiectarea structurilor de fundare directa, publicat prin Ordin 2352/2014;
– NE 012/1–2007 Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat – Partea 1: Producerea betonului, publicat prin Ordinul nr.577/2008
– NE 012/2–2010 Normativ pentru producerea si executarea lucrarilor din beton, beton armat si beton precomprimat – Partea 2: Executarea lucrarilor din beton: publicat prin Ordinul nr.2514/2010;
– ±0.00 CTA= cota teren amenajat
– Verificarea calitatii executiei si receptia calitativa pe faze se vor realiza in conformitate cu prevederile specifice din actele normative mentionate pentru categorii de lucrari, in special NE 012/2–2010 CAP. 11;16 si anexele C si D.
– Pe durata saparii gropilor de fundatii se vor lua masuri contra patrunderii apei din precipitatii. In cazul patrunderii accidentale a apei in gropi se va asigura colectarea si evacuarea imediata.
– Ultimul strat de pamant de circa 20 cm de la fundul gropilor se va sapa imediat inainte de executarea umpluturii, iar fundul gropii se va compacta pana la atingerea gradului de 96% Proctor.
–La atingerea cotei de fundare,se va verifica daca stratificatia intalnita corespunde celei din referatul geotehnic.
– La confectionare buloanele nu se grunduiesc.
– Inainte de inglobare se curata de impuritati (cu perie de sarma) si daca este cazul se degreseaza.
– La inglobarea buloanelor se va acorda o deosebita atentie pozitionarii corecte in plan si pe verticala si mentinerii la pozitie pe timpul turnarii.
– Acoperirea cu beton min. 50mm.
– Pentru a proteja vasul, spatiul dintre suprafata chingii si cea a vasului va fi prevazut cu o banda de 10mm de cauciuc.
– Trotuarele se executa din beton C25/30 turnat pe loc si armat cu plase sudate SREN 438–3/2012 150mmx150mm–0.5mx0.5m STNB 4. Grosimea turnata este 10cm. Sub betonul turnat se afla un strat de ~5 cm nisip. Intre beton si nisip se asterne un strat de folie de polietilena.

Note

– *Lay–out according* **PR1193-CS01-01** civil site plan and stereo coordinates
– At the execution one will follow the technical prescriptions from the following normatives:
– C 83– 1975 Guide for detail marking in constructions;
– C 169–88 Normative for the execution of earthworks related to the realization of civil and industrial foundations
– NP 112–2014 Normative for the design of shallow structure foundations, published by Order no. 2352/2014;
– NE 012/1–2007 Normative for concrete production and execution of concrete, reinforced concrete and prestressed concrete works – Part 1: roduction, published by Order no. 577/2008;
– NE 012/2–2010 Normative for concrete production and execution of concrete, reinforced concrete and prestressed concrete works – Part 2: Execution of concrete works, published by Order no. 2514/2010;
– ±0.00 CTA= arranged ground elevation
– Checking of excecution quality and qualitative comissioning in different phases will be made according to specific requirements from mentioned norms for works categories, in special NE 012/2–2010 Ch. 11;16 and annexes C and D.
– During trench digging one will take actions against rainfall water penetration.
– In case of accidental water penetration in holes, one will ensure its immediate collection and evacuation.
– The last layer of ground of about 20cm thick from the bottom of pits will be immediately excavated before making the fillings, and the bottom of the trench will be compacted until reaching the 96% Proctor compactation degree. At reaching of foundation elevation it shall be checked if the stratification arrangement corresponds to geo–technical report.
– At manufacturing the anchor bolts are not primed.
– Before they are embedded, one cleans them against impurities (with wire brush) and if it necessary one degreases them.
– At the embedding, the bolts are carefully positioned in vertical and horizontal plans and kept at position during casting of concrete.
– Concrete cover 50mm minimum.
– To protect the tank, the area between strap's surface and that of the tank is provided with a 10mm thick rubber band.
– The pavements are made of C25/30 cast in place concrete and reinforced with weld wire meshes SREN 438–3/2012 150mmx150mm–0.5mx0.5m STNB 4. The thickness of cast in place is 10cm.
Below the cast in place concrete we have a ~5 cm sand layer. Between the sand and concrete layer we have a polyethylene sheet.

Extras de laminate/Rolled steel quantities

ELEMENT	POZ.	DENUMIRE/DENOMINATION	DESEN/STAS	MATERIAL	DIMENSIUNI/ DIMENSIONS	NR.BUC/ NO.PCS.	MASA/WEIGHT(Kg) PE BUC./ By PCS	TOTAL
Surub fundatie buc.4/ Anchor bolts pcs.4	P1	Surub/bolt	STAS 2350–92	Gr. 5.6	ø12–721	1	0.64	0.64
	P2	Piulita standard/standard nut	SR EN ISO 4032–13	gr.5	AM 12	2	0.02	0.04
	P3	Saiba groasa/thick washer	SR EN 10029:2011	S235J2	20x50x50	1	0.39	0.39
		ELECTROZI/ELECTRODES						0.08
		TOTAL			4buc(pcs.)x1.10 Kg/buc.(pcs.)			
Chingi buc.2/ Straps pcs.2	P4	Chinga /Strap	SR EN 10058:2004	S235J2	100x10–3670	1	28.80	28.80
		TOTAL			2buc(pcs.)x28.80Kg/buc.(pcs.)			

DUNA ION ROMANIA ... ATESTAT ... A1, A2

DOMENIUL DE VERIFICARE/ A1 CONFORM H.G.R. 925/95 SI 742/2018

(cote in/dimensions in mm (cu 250 si/and cu 25%))

REV. Nr	DATA	DESCRIERE	DESENAT	VERIFICAT	
01	05.2022	EMS PENTRU CONSTRUIRE	BADEA S.	SOARE	SEF PROIECT
00	06.2021	EMS PENTRU COMENTARII	BADEA S.	SOARE	APROBAT

SCARA:1:25 DATA PRIMEI EDITII: PROIECTANT

CLIENT: **CONPET S.A.**
STR. 1848, NR. 1 – 3
PLOIESTI, ROMANIA

PROIECTANT: **S.C. TEAM OIL S.R.L.**
STR. TRAIAN NR. 42
PLOIESTI, ROMANIA
J29/695 din 22.08.2000

DENUMIRE PROIECT:
Modernizarea statiei de pompare a titeiului Slobozia – Jud. Prahova

DENUMIRE PLAN:
Plan rezervor ingropat 5m3

PROIECT NR.	FAZA	FORMAT	DESEN NR.	PAGINA. NR.	REV. NR.
1193/2019	PT+DE	13/4A2	Pr1193–CS07	1/1	01