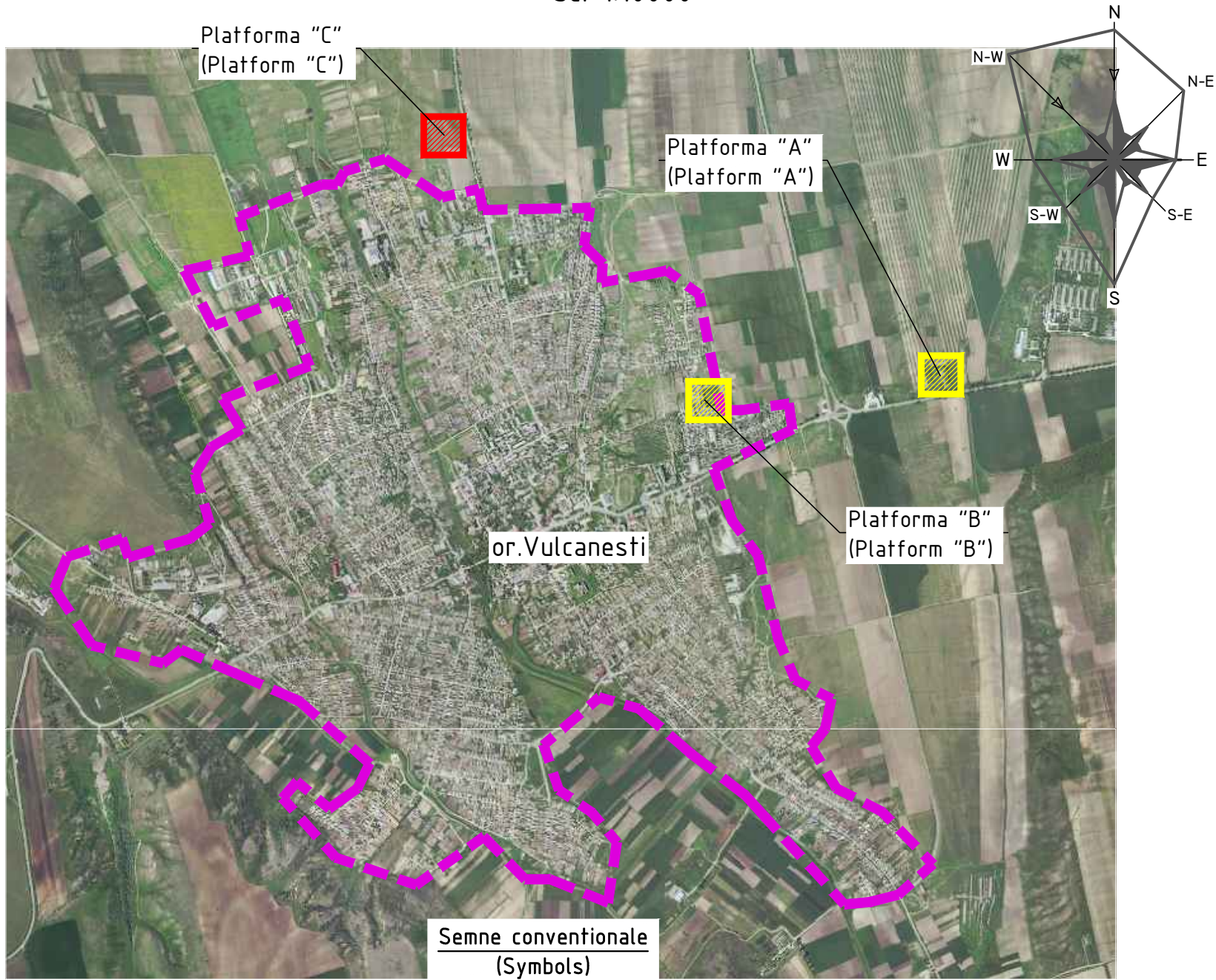


COORDINATED

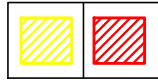
Signature and date

Inventory no.

PLAN SITUATIE (LOCATION PLAN EXISTING)
sc. 1:10000



Limita intravilanului localitatii
(Boundaries of the village)



Teren selectat pentru Platforma
(Land selected for Platform)

Dispozitii generale (General provisions)

Conform Certificatului de Urbanism pentru proiectare nr.18 din 03.06.2022 eliberat de catre primaria orasului Vulcanesti, pe terenul proprietate publica din extravilanul orasului, urmeaza a fi construite rezervoare supraterane de apa pentru alimentarea cu apa a localitatii. (According to the Urbanism certificate (planning permission) no.18 of 06.06.2022 issued by Vulcanesti town council on the public property in the extravillain of the city, will be built above-ground water reservoirs for the water supply of the locality.)

1. Planul general a fost executat in baza temei de proiectare (General plan is elaborated on the basis of the Design brief);
2. Desenul dat este eleborat pe baza ridicarii topografice, realizata de S.R.L. "GEOLUXPRIM", an.2022 (This drawing was elaborated on the basis of topographic surveys performed in 2022 by the "GEOLUXPRIM", Ltd.);
3. Cercetarile tehnico-geologice executate de catre S.R.L. „GEOLUXPRIM” an.2022 (Technical-geological researches was performed in 2022 by the "GEOLUXPRIM" Ltd.);
4. Sistem de coordonate: MoldREF (Coordinates system: MoldREF);
5. Sistema de inaltime: Marea Baltica (Height system: Baltic Sea);
6. Ca punct de reper a inaltimii poate fi folosita cota stilpului de curent electric existent indicata in plan, cu cota absoluta de 92.62; (As a reference point for the height, can be used the elevation of the existing electric pole indicated in the plan, with the absolute quota of 92.62);
7. Trasarea constructiilor se efectueaza de la axele de trasare care sunt reperate de la aliniamentul punctelor de coordonare 1-2; 2-3. (The tracing of the constructions is performed from the tracing axes which are marked from the alignment of the coordination points 1-2; 2-3).

BORDEROUL DOCUMENTATIEI DE REFERINTA SI ANEXATE
(LIST OF REFERENCES DOCUMENTS AND OF ATTACHED DOCUMENTS)

Marca (Code)	Documente de referinta (Reference documents)	Nota (Note)
NCM B.01.05:2019	Urbanism. Sistematizarea si amenajarea localitatilor urbane si rurale (Urbanism. Systematization and arrangement of urban and rural localities)	
NCM B.01.01-05	Sistematizarea teritoriului si a localitatilor. Termeni si definitii (Systematization of the territory and localities. Terms and definitions)	
NCM B.01.03-05	Planuri generale ale intreprinderilor industriale (General plans for industrial installations)	
Serial 2.03.87	Малые архитектурные формы (Small architectural forms)	
	Documente anexate (Attached documents)	
	Borderoul utilajelor si materialelor de lucru (Schedule of working equipment and materials)	

EVIDENTA DESENELOR DE LUCRU A SETULUI DE BAZA
(LIST OF DETAIL DESIGN FROM THE BASIC SET)

Planse (Sheet)	Denumirea (Name)	Nota (Note)
1	Date generale; Plan situatie (General data. Location plan existing)	
2	Plan de trasare (Plan of tracing)	
3	Plan de amenajare a terenului (Plan of land development)	
4	Plan sistematizarea pe verticala (Vertical systematization)	
5	Plan volume de implutura si excavari (Plan of filling and excavation volumes)	
6	Volume de lucru (Details, volumes of works)	

INDICATORI TEHNICO ECONOMICI
(TECHNICAL AND ECONOMIC INDICES)

Denumirea (Name)	Unit. de masura (Units)	Suprafata (Area)
Suprafata terenului in sectorul ingradirii (Total area in the fencing sector)	m.p. (sq.m)	5900.00
Suprafata constructiei (Area of buildings)	m.p. (sq.m)	297.00
Suprafata drumurilor acoperite (Area of roads with covering)	m.p. (sq.m)	495.50
Suprafata zonei verzi (Area of green plants)	m.p. (sq.m)	5107.50
Suprafata in afara ingradirii (Surface outside the fence)	m.p. (sq.m)	45.00

Beneficiar (Beneficiary): Primaria orasul Vulcanesti (Vulcanesti town)						
Certificat pe numele (Certificate on the name) BURLACU Angela Seria (Series) 2019-P nr.0379 din (from) 23.10.2019						
Certificat pe numele (Certificate on the name) ROSCA Constantin Seria (Series) 2019-P nr.0317 din (from) 21.08.2019						
						22/21-C-PG
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town
Sch.	Quant.	Sheet	Sh.no.	Signa.	Date	
Director	Cretu I.				07.22	Platforma "C" (Platform "C") Rezervoare supraterane de apa V=1000m³ (Above-ground water reservoirs V=1000m³)
Pr. Manager	Rosca C.				07.22	
ASP/ACP	Burlacu A.				07.22	
Elab./Drawn	Burlacu A.				07.22	Date generale. Plan situatie (General data. Location plan existing) sc 1:10000
						"FLUXPROIECT" Ltd.

Documentatia de proiect este elaborata conform normativelor in constructii in vigoare in Republica Moldova cu asigurarea criteriilor de calitate in constructii respectind exigentele esentiale (The project documentation is developed according to the constructions norms in force from the Republic of Moldova with the assurance of the quality criteria in constructions respecting the essential requirements):

A - rezistenta si stabilitatea (resistance and stability);

B - siguranta in exploatare (safety in operation);

C - securitatea la foc (fire security);

D - igiena, sanatatea oamenilor, refacerea si protectia mediului inconjurator (hygiene, human health, rehabilitation and environment protection);

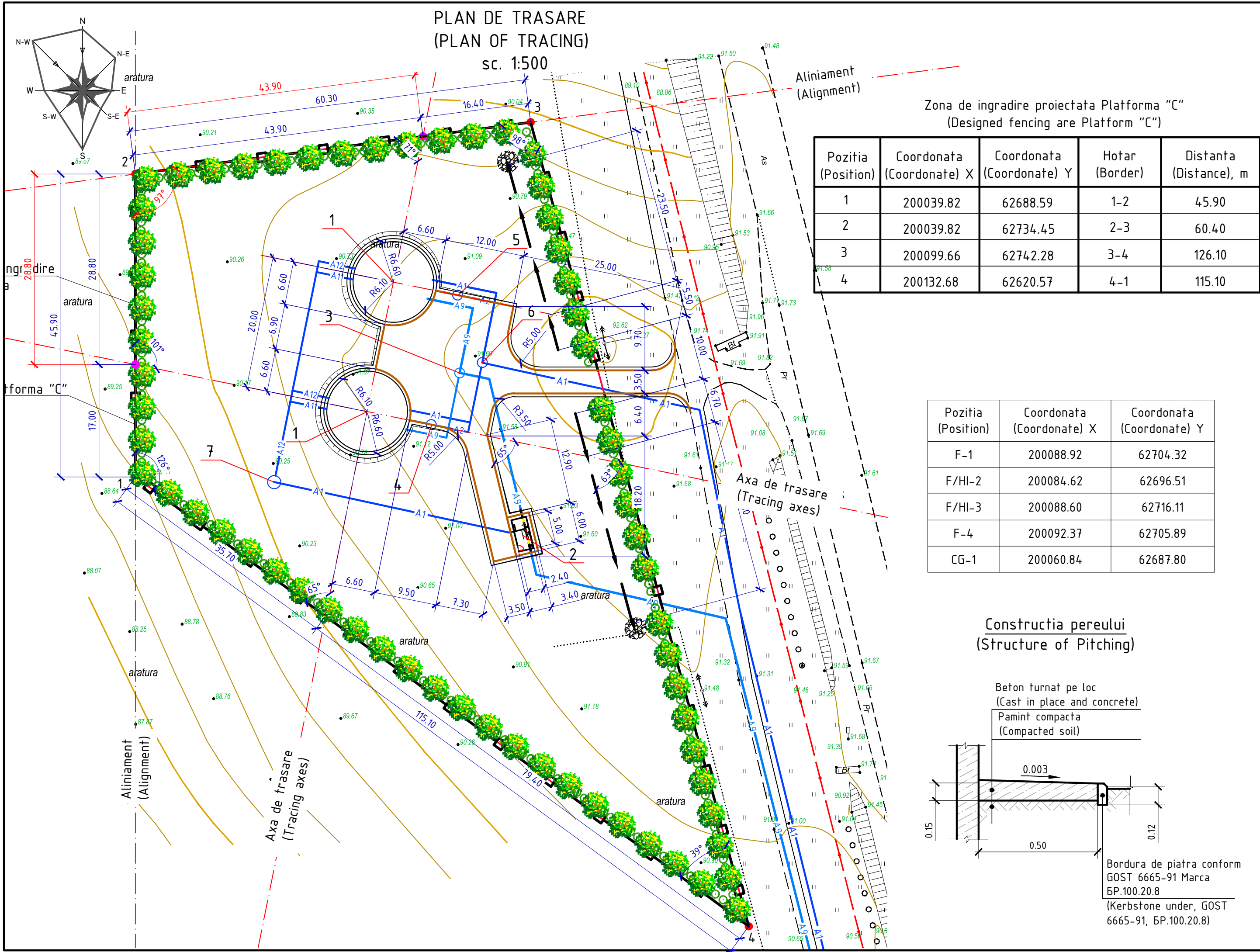
E - izolare termica, hidrofuga si economie de energie (thermal insulation, waterproofing and energy economy);

F - protectia impotriva zgomotului (noise protection);

G - utilizarea sustenabila a resurselor naturale (sustainable use of natural resources).

Manager de proiect (Project Manager)
Arhitect-sef proiect (Architect-chief of the project)

/Rosca Constantin/
/Burlacu Angela/



EXPLICATIA CONSTRUCTIILOR PLATFORMA "C"
(EXPLANATION OF CONSTRUCTION PLATFORM "C")

Poz. (Pos.)	Denumirea (Name)	Suprafata (Area) m ²	Nota (Note)
1	Rezervoare supratere de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	273.60	Proiectat (Designed) 22/21-C-1-TH
2	Statia de dezinfectare a apei (Disinfection station)	12.00	Proiectat (Designed) 22/21-C-2-TH
3	Camin de vizitare (F-1) (Manhole (F-1))	2.00	Proiectat (Designed) 22/21-C-1-TH
4	Camin de vizitare cu hidrant (F/HI-2) (Manhole with fire hydrant (F-HI-2))	2.00	Proiectat (Designed) 22/21-C-1-TH
5	Camin de vizitare cu hidrant (F/HI-3) (Manhole with fire hydrant (F-HI-3))	2.00	Proiectat (Designed) 22/21-C-1-TH
6	Camin de vizitare (F-4) (Manhole F-4)	2.00	Proiectat (Designed) 22/21-C-1-TH
7	Camin de golire (CG-1) (Emptying manhole (CG-1))	3.20	Proiectat (Designed) 22/21-C-1-TH

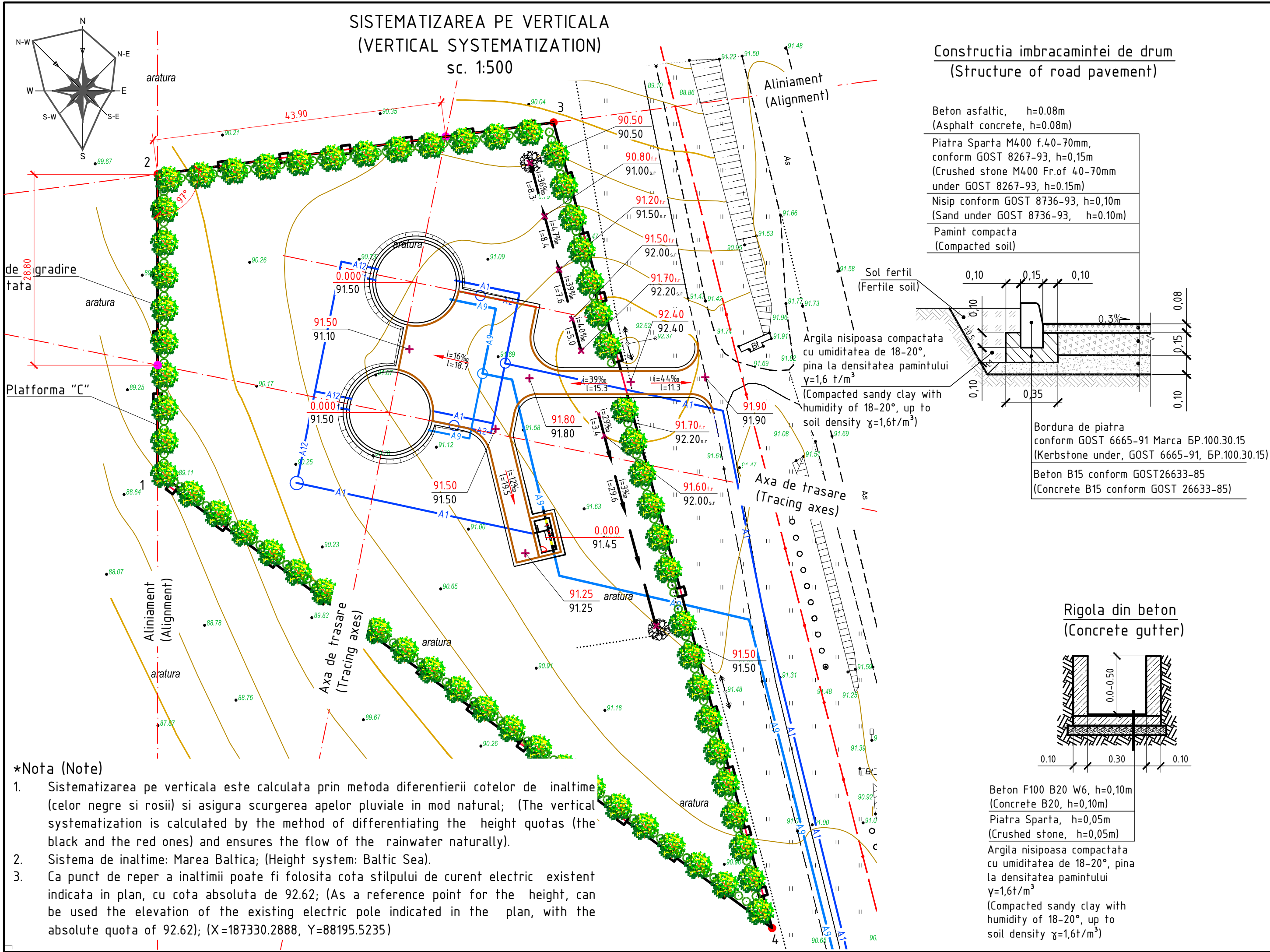
BORDEROUL DRUMURILOR, PISTA SI TERENURILOR DE ODIHNA
(SCHEDULE OF ROADS, RUNWAYS AND REST SITES)

Semne conventionale (Conventional signs)	Denumirea (Name)	Sup.imbracata (Area) m ²	Piatra de bordura (Kerbstone)	
			Tip (Type)	Cantitatea (Quantity) m
As	Imbracaminte din beton asfaltic (Covering of asphalt concrete)	487.00	BP.100.30.15	115.50
B	Pereu din beton, clasa B15 (Pitching on concrete, clasa B15)	8.50	BP.100.20.15	19.00

*Nota (Note)

- Sistem de coordonate MoldREF (Coordinates system: MoldREF);
- Trasarea constructiilor se efectueaza de la axele de trasare care sunt reperate de la aliniamentul punctelor de coordonate 1-2 si 2-3 (vezi tabela coordonatelor). (The tracing of the constructions is performed from the tracing axes which are marked from the alignment of the coordination points 1-2; 2-3)

						22/21-C-PG			
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town			
						Platforma "C" (Platform "C") Rezervoare supratere de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	Phase	Sheet	Sheets
ASP/ACP	Burlacu A.			07.22			PE	2	
Elab./Drawn	Burlacu A.			07.22		Plan de trasare (Plan of tracing) sc. 1:500	"FLUXPROIECT" Ltd.		



**EXPLICATIA CONSTRUCTIILOR PLATFORMA "C"
(EXPLANATION OF CONSTRUCTION PLATFORM "C")**

Poz. (Pos.)	Denumirea (Name)	Nota (Note)
1	Rezervoare supraterrane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	Proiectat (Designed) 22/21-C-1-TH
2	Statia de dezinfectare a apei (Disinfection station)	Proiectat (Designed) (22/21-C-2-TH)
3	Camin de vizitare (F-1) (Manhole (F-1))	Proiectat (Designed) 22/21-C-1-TH
4	Camin de vizitare cu hidrant (F/HI-2) (Manhole with fire hydrant (F-HI-2))	Proiectat (Designed) 22/21-C-1-TH
5	Camin de vizitare cu hidrant (F/HI-3) (Manhole with fire hydrant (F-HI-3))	Proiectat (Designed) 22/21-C-1-TH
6	Camin de vizitare (F-4) (Manhole F-4)	Proiectat (Designed) 22/21-C-1-TH
7	Camin de golire (CG-1) (Emptying manhole (CG-1))	Proiectat (Designed) 22/21-C-1-TH

**BORDEROUL CONSTRUCTIILOR DESCHISE DE EVACUAREA APELOR
(SCHEDULE OF OPEN STRUCTURES FOR WATER REMOVAL)**

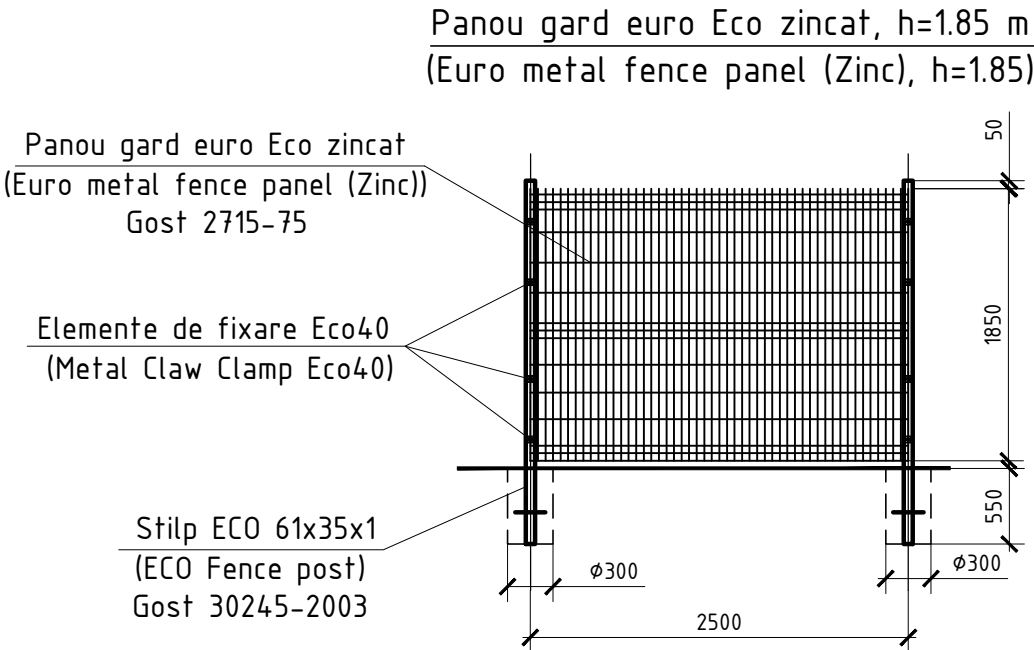
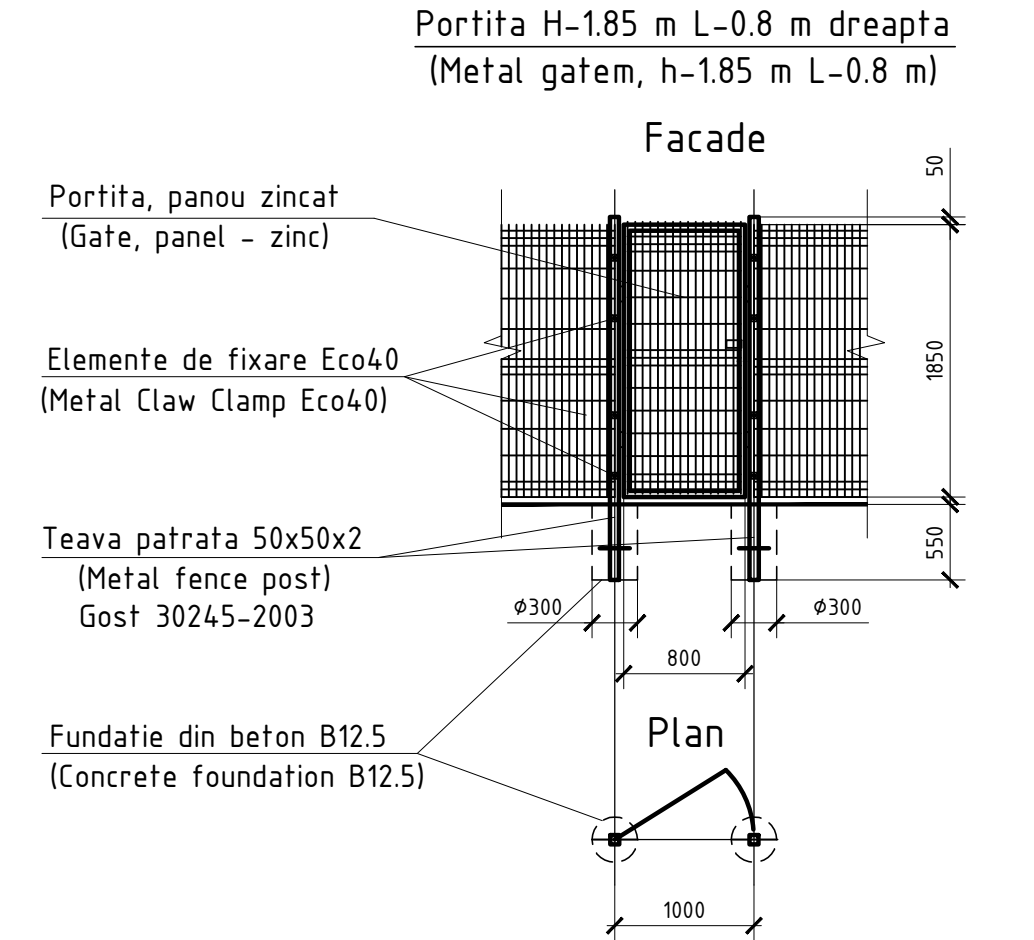
Semne conventionale (Conventional signs)	Denumirea (Name)	Unit.de masura (Units)	Cantitatea (Quantity)	Nota (Note)
→ →	Rigola din beton Concrete gutter	m	62.0	
⊗	Umplutura cu pietris Filling with gravel	m ²	4.0	h=0.10m

**Semne conventionale
(Symbols)**

	Orizontale proiectate (Designed horizontals)		Cote proiectate (Designed Elevation)
	Orizontale existente (Existed horizontals)		Cote existente (Existed Elevation)
			Cota de fund a rigolei (Elevation foundation of gutter)
			Cota sus a rigolei (Elevation upper of gutter)

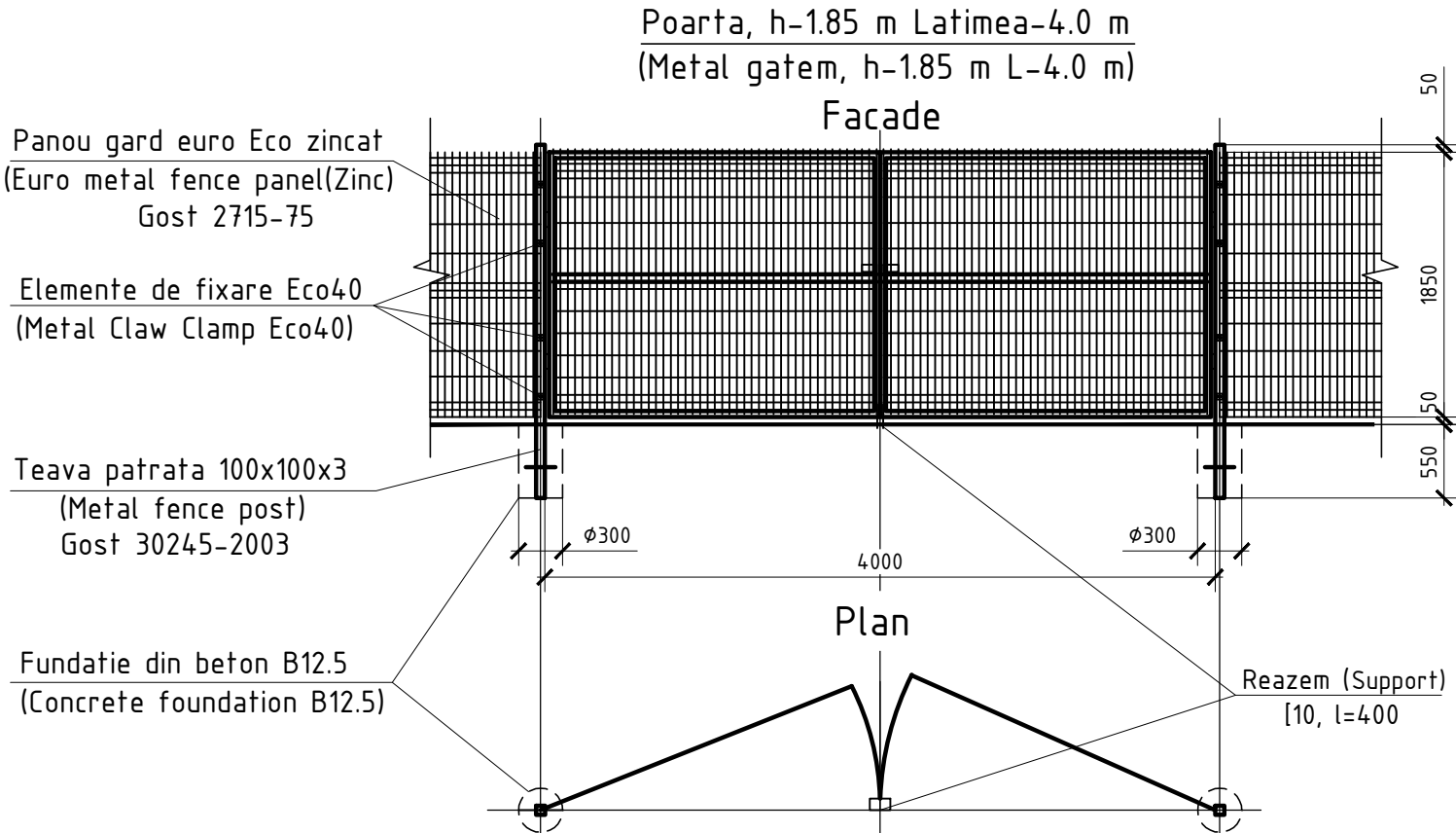
						22/21-C-PG			
						Rețelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town			
						Platforma "C" (Platform "C") Rezervoare supraterrane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	Phase	Sheet	Sheets
ASP/ACP	Burlacu A.		07.22				PE	4	
Elab./Drawn	Burlacu A.		07.22			Sistematizarea pe verticala Vertical systematization sc. 1:500		"FLUXPROIECT" Ltd.	

BORDEROUL VOLUMELOR DE LUCRU LA GARDUL METALIC (SCHEDULE OF WORK VOLUMES FOR METAL FENCE)					
Tip (Type)	Notatie (Designation)	Denumirea (Name)	Cantitate (Quantity)	Masa,kg (Mass)	Nota (Note)
Panou gard euro Eco zincat, H=1.85 m (Total=137 sectii) (Euro metal fence panel (Zinc), h=1.85 m (Total=137 division)					
61x35x1	60241	Stilp ECO 18, l=2.4m (ECO 18 Fence post)	1 buc 1 pcs	17.88	1buc=17.88kg 1pcs=17.88kg
	04454	Capac patrat 60x40 mm, sur (Plastic post rain hats)	1 buc 1 pcs		
	60882	Panou din sirma de otel Ø5.0 Zn, cu celule patratre. Celula 200x55 mm (Panel steel fence (wire thickness Ø5) with rectangle mesh. Mesh 200x55mm)	4.625 m ²	11.00	1m ² =2.44 kg
45x40x2	59804	Sistem de fixare zincat, ECO 40 (Metal Claw Clamp, ECO 40)	4 buc 4 pcs		
Fundatia (Foundation)	-	Beton clasa B 12.5 (Concrete clasa B12.5)	0.072 m ³	-	1buc=0.072m ³ 1pcs=0.072m ³
Porta metalica cu h=1.85 m, latimea 4.00 m (Metal gate of steel mesh h=1.85 m, length 4.00 m)					
100x100x3	Gost 30245-2003	Teava patrata, l=2.4 m (Fence post (square-section), l=2.4m)	2 buc 2 pcs	36.50	1buc=18.25kg 1pcs=18.25kg
		Capac patrat 100x100 mm (Plastic post rain hats 100x100 mm)	2 buc 2 pcs		
	Gost 3282-74	Panou din sirma de otel Ø 3.8 Zn,cu celule patratre. Celula 200x55mm (Panel steel fence (wire thickness:Ø3.8) with rectangle mesh. Mesh: 200x55mm)	7.40 m ²	18.056	1m ² =2.44 kg
40x40x2	Gost 8509-93	Rama din teava (Steel frame) 40x40	19.5 m	-	
-	-	Accesorii (Accessories)	complect	-	1
Fundatia (Foundation)	-	Beton clasa B 12.5 (Concrete clasa B12.5)	0.144 m ³	-	1buc=0.072m ³ 1pcs=0.072m ³
Porta metalica cu h=1.85 m, latimea 0.80 m (dreapta) (Metal gate of steel mesh h=1.85, length 0.80 m)					
50x50x2	Gost 30245-2003	Teava patrata, l=2.3 m (Fence post (square-section), l=2.3m)	2 buc 2 pcs	35.76	1buc=17.88kg 1pcs=17.88kg
		Capac patrat 50x50 mm (Plastic post rain hats 50x50 mm)	2 buc 2 pcs		
	Gost 3282-74	Panou din sirma de otel Ø 3.8 Zn,cu celule patratre. Celula 200x55mm (Panel steel fence (wire thickness:Ø3.8) with rectangle mesh. Mesh: 200x55mm)	1.60 m ²	3.904	1m ² =2.44 kg
40x40x2	Gost 8509-93	Rama din teava (Steel frame) 40x40	6.10 m	-	
		Accesorii (Accessories)	complect	-	1
Fundatia (Foundation)	-	Beton clasa B 12.5 (Concrete clasa B12.5)	0.144 m ³	-	1buc=0.072m ³ 1pcs=0.072m ³



***Nota (Note)

Toate elementele metalice ale ingradirii se vor acoperi cu vopsea lavabila (эмалью) ПФ-115 (Gost 6465-76) de 2 ori pe grunt ГФ (Gost 25129-82).
(All metal elements of the fence shall be covered with washable paint (enamelled paint) PF-115 (GHOST 6465-76) twice on the grunt GF (GOST 25129-82)).



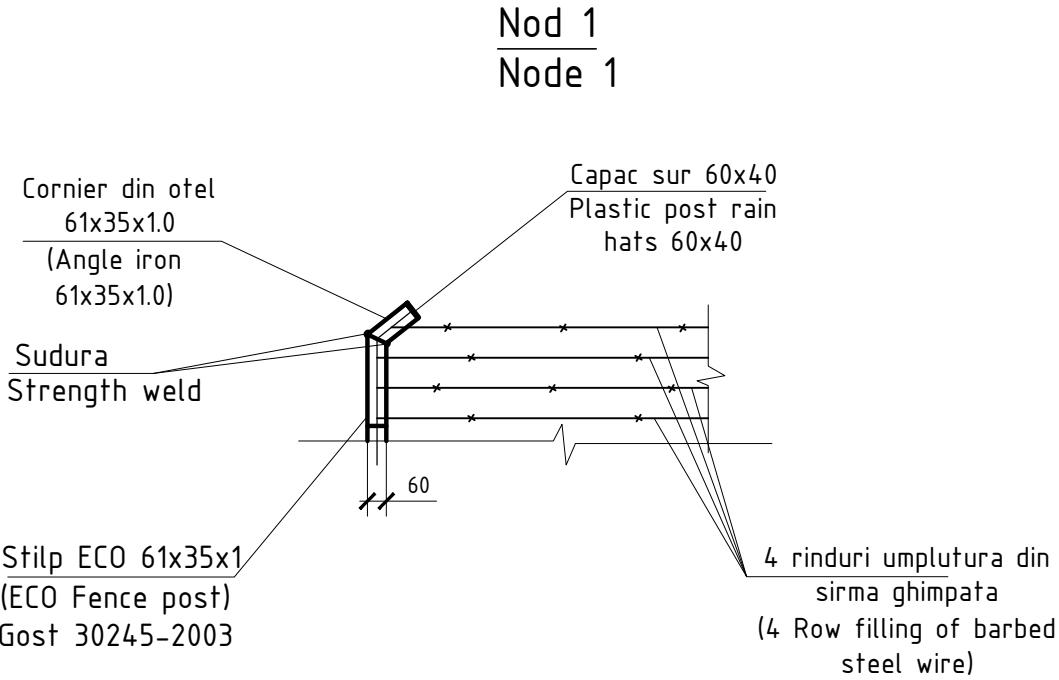
BORDEROUL CONSTRUCTIEI PREFABRICATE SI MATERIALE
(SCHEDULE OF PRE-MADE STRUCTURES AND MATERIALS)

Semne conventionale (Conventional signs)	Denumirea (Name)	Unitatea de masura (Units)	Cantitatea (Quantity)	Nota (Note)
	Panou gard euro Eco zincat, H=1.85 m (Euro metal fence panel (Zinc), H=1.85 m)	m	342.5	Gardline
	Poarta, h-1.85 m; L-4.0 m (Metal gatem, h-1.85 m; L-4.0 m)	buc. pcs	1	54260
	Portita, h-1.85 m; L-0.8 m dreapta (Single metal gatem, h=1.85 m; L-0.8 m)	buc. pcs	1	188040
	Stilp ECO 18, L-2.4 m (ECO 18 Fence post, L-2.4 m)	buc. pcs	31	60241
	Umplutura din sirma ghimpata din otel h=0.5m (Filling of barbed steel wire h=0.5 m)	m	342.5	

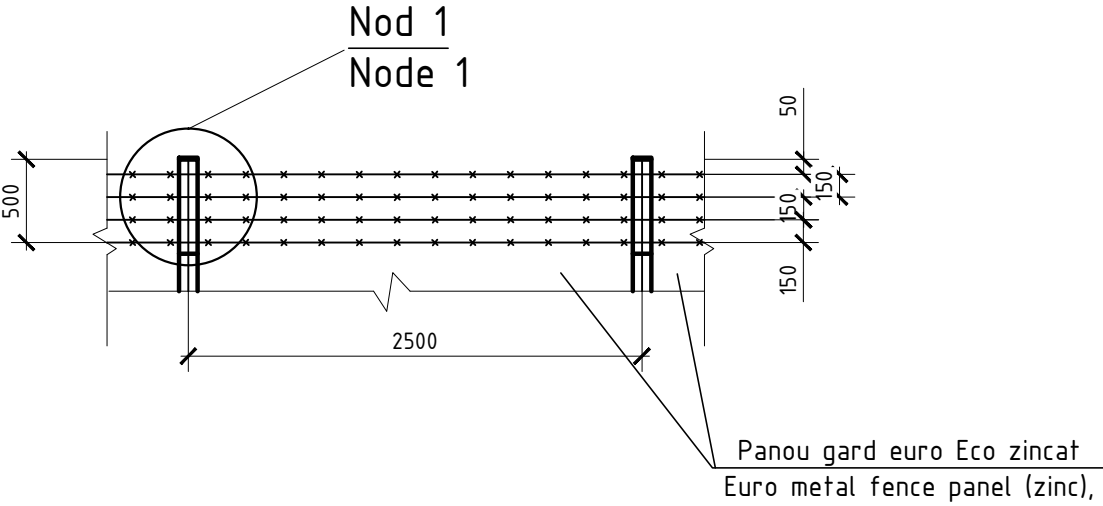
						22/21-C-PG				
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town				
						Platforma "C" (Platform "C") Rezervoare supraterane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)		Phase	Sheet	Sheets
ASP/ACP	Burlacu A.			07.22				PE	6	
Elab./Drawn	Burlacu A.			07.22		Volume de lucru Details, volumes of works		"FLUXPROIECT" Ltd.		

BORDEROUL VOLUMELOR DE LUCRU LA GARDUL METALIC
(SCHEDULE OF WORK VOLUMES FOR METAL FENCE)

Tip (Type)	Notatie (Designation)	Denumirea (Name)	Cantitate (Quantity)	Masa,kg (Mass)	Nota (Note)
Umplutura din sirma gimpata (Total=137 sectii) Filling of barbed steel wire, h=0.5 m (Total= 137 division)					
	Gost 285-69	Umplutura din sirma gimpata, h=0.50m (Filling of barbed steel wire, h=0.50m)	10.00 m	0.90	1m=0.09 kg
60X60X2	Gost 8509-93	Cornier din otel, l=0.6 m (Angle iron with equal sides, l=0.6m)	1 buc 1 pcs	1.152	1m=1.92 kg
	Gost 3282-74	Sirma arsa, ϕ 2.5 mm (Burnt wire, ϕ 2.5 mm)	2.0 m		



Umplutura din sirma gimpata din otel
Filling of barbed steel wire



***Nota (Note)
Toate elementele metalice ale ingradirii se vor acoperi cu vopsea lavabila (эмалью) ПФ-115 (Gost 6465-76) de 2 ori pe grunt ГФ (Gost 25129-82).
(All metal elements of the fence shall be covered with washable paint (enamelled paint) PF-115 (GHOST 6465-76) twice on the grunt GF (GOST 25129-82)).

						22/21-C-PG		
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town		
						Platforma "C" (Platform "C") Rezervoare supraterane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	Phase PE	Sheet 7
ASP/ACP	Burlacu A.		07.22			Volume de lucru Details, volumes of works	"FLUXPROIECT" Ltd.	
Elab./Drawn	Burlacu A.		07.22					

COORDINATED

Signature and date

Inventory no.

PLAN SITUATIE (LOCATION PLAN EXISTING)

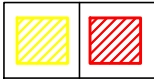
sc. 1:10000



Semne conventionale
(Symbols)



Limita intravilanului localitatii
(Boundaries of the village)



Teren selectat pentru Platforma
(Land selected for Platform)

Dispozitii generale (General provisions)

Conform Certificatului de Urbanism pentru proiectare nr.18 din 03.06.2022 eliberat de catre primaria orasului Vulcanesti, pe terenul proprietate publica din intravilanul orasului, urmeaza a fi construit un turn de apa pentru alimentarea cu apa a localitatii.
(According to the Urbanism certificate (planning permission) no.18 of 06.06.2022 issued by Vulcanesti town council on the public property in the inner city, will be built water tower for the water supply of the locality.)

- Planul general a fost executat in baza temei de proiectare (General plan is elaborated on the basis of the Design brief);
- Desenul dat este eleborat pe baza ridicarii topografice, realizata de S.R.L. "GEOLUXPRIM", an.2022 (This drawing was elaborated on the basis of topographic surveys performed in 2022 by the "GEOLUXPRIM", Ltd.);
- Cercetarile tehnico-geologice executate de catre S.R.L. „GEOLUXPRIM” an.2022 (Technical-geological researches was performed in 2022 by the "GEOLUXPRIM" Ltd.);
- Sistem de coordonate: MoldREF (Coordinates system: MoldREF);
- Sistema de inaltime: Marea Baltica (Height system: Baltic Sea);
- Ca punct de reper a inaltimii poate fi folosita cota stilpului de curent electric existent indicata in plan, cu cota absoluta de 89.49; (As a reference point for the height, can be used the elevation of the existing electric pole indicated in the plan, with the absolute quota of 89.49);
- Trasarea constructiilor se efectueaza de la axele de trasare care sunt reperate de la aliniamentul ingradirii existente. (The tracing of the constructions is performed from the tracing axes which are marked from the alignment of the existing fence).

BORDEROUL DOCUMENTATIEI DE REFERINTA SI ANEXATE

(LIST OF REFERENCES DOCUMENTS AND OF ATTACHED DOCUMENTS)

Marca (Code)	Documente de referinta (Reference documents)	Nota (Note)
NCM B.01.05:2019	Urbanism. Sistematizarea si amenajarea localitatilor urbane si rurale (Urbanism. Systematization and arrangement of urban and rural localities)	
NCM B.01.01-05	Sistematizarea teritoriului si a localitatilor. Termeni si definitii (Systematization of the territory and localities. Terms and definitions)	
NCM B.01.03-05	Planuri generale ale intreprinderilor industriale (General plans for industrial installations)	
Serial 2.03.87	Малые архитектурные формы (Small architectural forms)	
	Documente anexate (Attached documents)	
	Borderoul utilajelor si materialelor de lucru (Schedule of working equipment and materials)	

EVIDENTA DESENELOR DE LUCRU A SETULUI DE BAZA
(LIST OF DETAIL DESIGN FROM THE BASIC SET)

Planse (Sheet)	Denumirea (Name)	Nota (Note)
1	Date generale; Plan situatie (General data. Location plan existing)	
2	Plan de trasare (Plan of tracing)	
3	Plan de amenajare a terenului (Plan of land development)	
4	Plan sistematizarea pe verticala (Vertical systematization)	
5	Plan volume de implutura si excavari (Plan of filling and excavation volumes)	

INDICATORI TEHNICO ECONOMICI
(TECHNICAL AND ECONOMIC INDICES)

Denumirea (Name)	Unit. de masura (Units)	Suprafata (Area)
Suprafata terenului in sectorul ingradirii (Total area in the fencing sector)	m.p. (sq.m)	existing
Suprafata constructiei (Area of buildings)	m.p. (sq.m)	17.50
Suprafata drumurilor acoperite (Area of roads with covering)	m.p. (sq.m)	183.00
Suprafata zonei verzi (Area of green plants)	m.p. (sq.m)	existing
Suprafata in afara ingradirii (Surface outside the fence)	m.p. (sq.m)	-

Beneficiar (Beneficiary): Primaria orasul Vulcanesti (Vulcanesti town)						
Certificat pe numele (Certificate on the name) BURLACU Angela Seria (Series) 2019-P nr.0379 din (from) 23.10.2019						
Certificat pe numele (Certificate on the name) ROSCA Constantin Seria (Series) 2019-P nr.0317 din (from) 21.08.2019						
						22/21-B-PG
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town
Sch.	Quant.	Sheet	Sh.no.	Signa.	Date	
Director	Cretu I.				07.22	Platforma "C" (Platform "C") Rezervoare supraterrane de apa V=1000m³ (Above-ground water reservoirs V=1000m³)
Pr. Manager	Rosca C.				07.22	
ASP/ACP	Burlacu A.				07.22	
Elab./Drawn	Burlacu A.				07.22	Date generale. Plan situatie (General data. Location plan existing) sc 1:10000
						"FLUXPROIECT" Ltd.

Documentatia de proiect este elaborata conform normativelor in constructii in vigoare in Republica Moldova cu asigurarea criteriilor de calitate in constructii respectind exigentele esentiale (The project documentation is developed according to the constructions norms in force from the Republic of Moldova with the assurance of the quality criteria in constructions respecting the essential requirements):
A - rezistenta si stabilitatea (resistance and stability);
B - siguranta in exploatare (safety in operation);
C - securitatea la foc (fire security);
D - igiena, sanatatea oamenilor, refacerea si protectia mediului inconjurator (hygiene, human health, rehabilitation and environment protection);
E - izolare termica, hidrofuga si economie de energie (thermal insulation, waterproofing and energy economy);
F - protectia impotriva zgomotului (noise protection);
G - utilizarea sustenabila a resurselor naturale (sustainable use of natural resources).

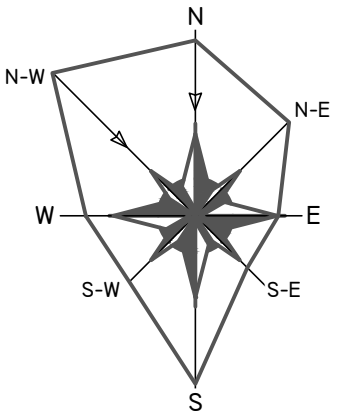
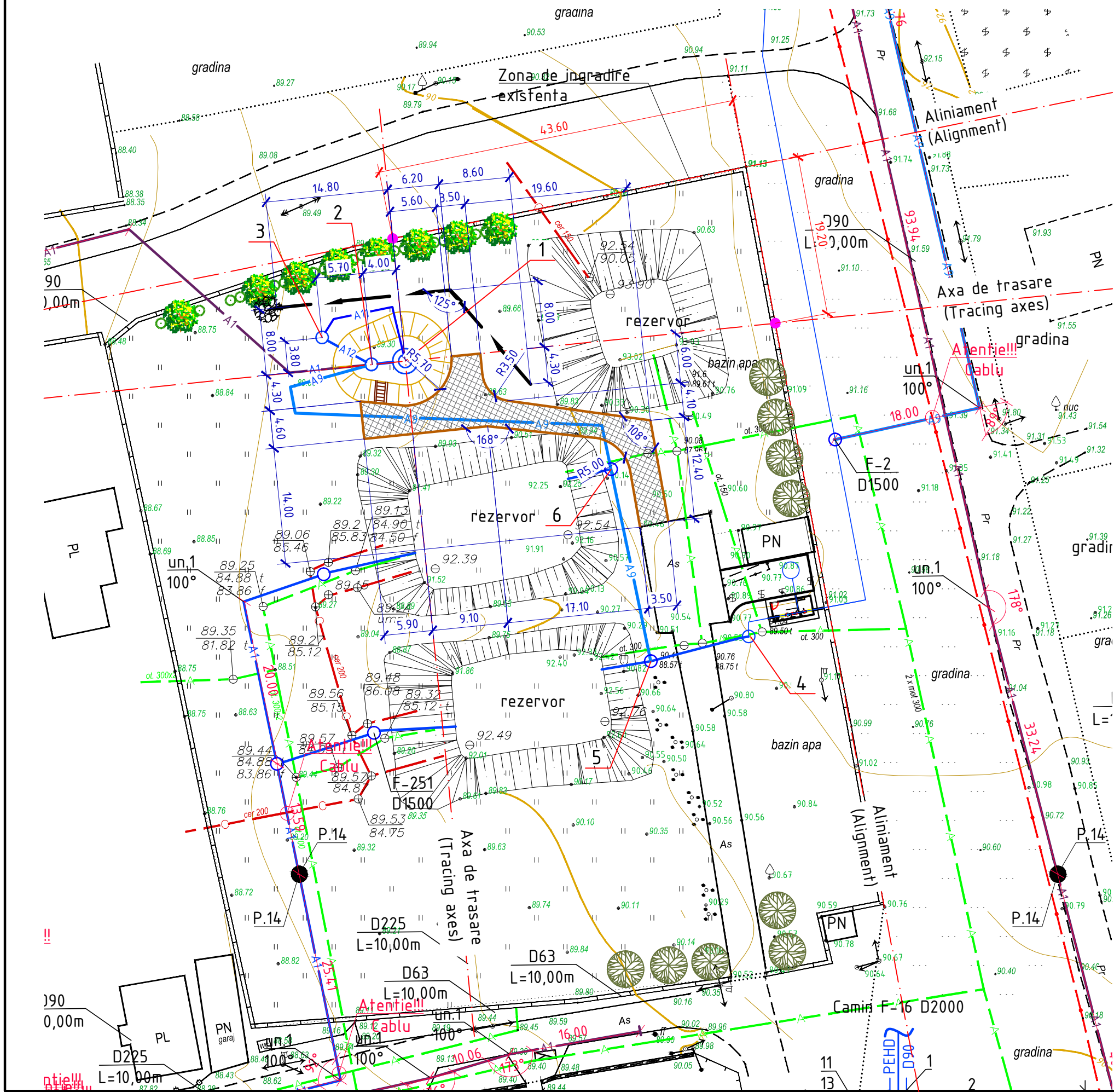
Manager de proiect (Project Manager)

/Rosca Constantin/

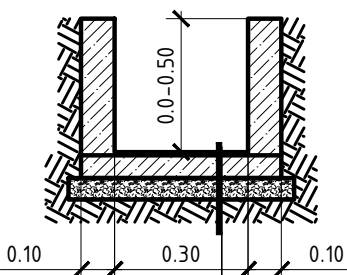
Arhitect-sef proiect (Architect-chief of the project)

/Burlacu Angela/

PLAN DE TRASARE
(PLAN OF TRACING)
sc. 1:500



Rigola din beton
(Concrete gutter)



Beton F100 B20 W6, h=0,10m
(Concrete B20, h=0,10m)
Piatra Sparta, h=0,05m
(Crushed stone, h=0,05m)
Argila nisipoasa compactata
cu umiditatea de 18-20°, pina
la densitatea pamintului
 $\gamma=1,6t/m^3$
(Compacted sandy clay with
humidity of 18-20°, up to
soil density $\gamma=1,6t/m^3$)

EXPLICATIA CONSTRUCTIILOR PLATFORMA "B"
(EXPLANATION OF CONSTRUCTION PLATFORM "B")

Poz. (Pos.)	Denumirea (Name)	Suprafata (Area) m ²	Nota (Note)
1	Rezervoare supraterrane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	7.50	Proiectat (Designed) 22/21-B-1-TH
2	Camin de vizitare (F-1) (Manhole (F-1))	2.00	Proiectat (Designed) 22/21-B-1-TH
3	Camin de golire (CG-1) (Emptying manhole (CG-1))	2.00	Proiectat (Designed) 22/21-B-1-TH
4	Camin de vizitare (F-72) (Manhole (F-72))	2.00	Proiectat (Designed) 08/18-AE
5	Camin de vizitare (F-2) (Manhole F-2)	2.00	Proiectat (Designed) 22/21-B-1-TH
6	Camin de vizitare (F-3) (Manhole F-3)	2.00	Proiectat (Designed) 22/21-B-1-TH

BORDEROUL CONSTRUCTIILOR DESCHISE DE EVACUAREA APELOR
(SCHEDULE OF OPEN STRUCTURES FOR WATER REMOVAL)

Semne conventionale (Conventional signs)	Denumirea (Name)	Unit.de masura (Units)	Cantitatea (Quantity)	Nota (Note)
	Rigola din beton Concrete gutter	m	36.0	
	Umplutura cu pietris Filling with gravel	m ²	2.0	h=0.10m

*Nota (Note)

- Sistem de coordonate MoldREF (Coordinates system: MoldREF);
- Trasarea constructiilor se efectueaza de la axele de trasare care sunt reperate de la aliniamentul ingradirii existente. (The tracing of the constructions is performed from the tracing axes which are marked from the alignment of the existing fence)

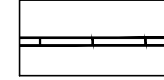
						22/21-B-PG			
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town			
						Platforma "B" (Platform "B") Castel de apa V=50m ³ , hp=18,0m (Water tower V=50m ³ , hp=18,0m)	Phase	Sheet	Sheets
							PE	2	
ASP/ACP	Burlacu A.		07.22			Plan de trasare (Plan of tracing) sc. 1:500	"FLUXPROIECT" Ltd.		
Elab./Drawn	Burlacu A.		07.22						

sc. 1:500

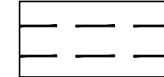


1. Sistem de coordonate MoldREF (Coordinates system: MoldREF);
2. Trasarea constructiilor se efectueaza de la axele de trasare care sunt reperate de la aliniamentul ingradirii existente. (The tracing of the constructions is performed from the tracing axes which are marked from the alignment of the existing fence)

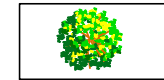
Arbori existent
(Existing Tree)



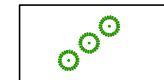
Ingradire existentia
Existing fence



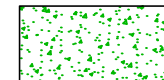
Drum existent
(Existing road)



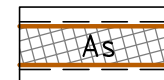
Arbori (Artar)
(Tree (Maple))



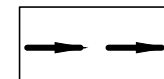
Arbusti (*Spirea vanhouttei*)
(Bushes "Vanhouttei Spirea")



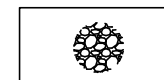
Gazon obisnuit
(Ordinary green sward)



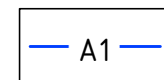
Drum proiectat
(Designed road)



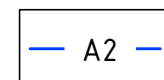
Rigola din beton
(Concrete gutter)



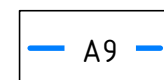
Umplutura de pietris
(Filling with gravel)



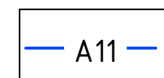
Retele de distributie a apei
(Water distribution networks)



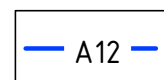
Conducta pentru combaterea incendiului
(Designed firefighting pipeline)



Aductiunea apei potabile
(Designed drinking water transmission main)



Conducta preaplin
(Designed overflow pipe)

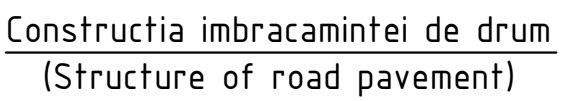


Conducta de golire
(Designed drainage pipe)

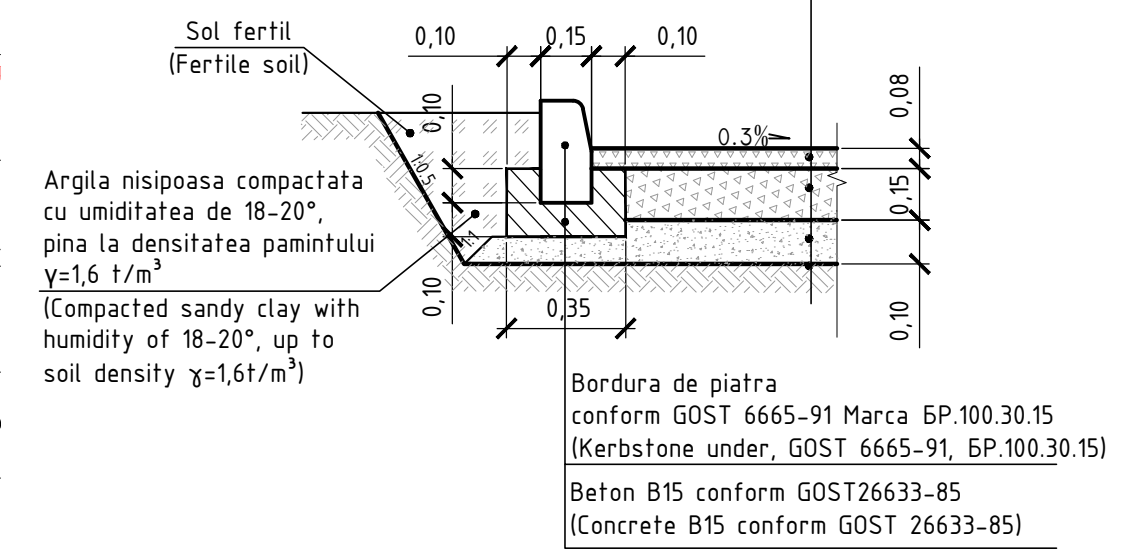
Poz. (Pos.)	Denumirea (Name)	Suprafata (Area) m ²	Nota (Note)
1	Rezervoare supraterane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	7.50	Proiectat (Designed) 22/21-B-1-TH
2	Camin de vizitare (F-1) (Manhole (F-1))	2.00	Proiectat (Designed) 22/21-B-1-TH
3	Camin de golire (CG-1) (Emptying manhole (CG-1))	2.00	Proiectat (Designed) 22/21-B-1-TH
4	Camin de vizitare (F-72) (Manhole (F-72))	2.00	Proiectat (Designed) 08/18-AE
5	Camin de vizitare (F-2) (Manhole F-2)	2.00	Proiectat (Designed) 22/21-B-1-TH
6	Camin de vizitare (F-3) (Manhole F-3)	2.00	Proiectat (Designed) 22/21-B-1-TH

Nr. (Item)	Denumirea (Name)	Virsta ani (Age)	Cantitatea (Quantity)	Nota (Note)
	Arbusti Bushes			
1	Spiraea "Vanhouttei, buc Spiraea "Vanhouttei, pcs.	3-5	18	
	Arbori Tree			
2	Artar, buc Maple, pcs	3-5	8	
3	Gazon obisnuit, m ² Ordinary green sward, m ²		existent	
4	Consolidarea plantelor prin semanarea cu iarba Strengthening of plants by planting of grass	m ²	125.0	

						22/21-B-PG				
						Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town				
						Platforma "B" (Platform "B") Castel de apa V=50m ³ , hp=18,0m (Water tower V=50m ³ , hp=18,0m)		Phase	Sheet	Sheets
ASP/ACP	Burlacu A.			07.22				PE	3	
Elab./Drawn	Burlacu A.			07.22		Plan de amenajare a terenului (Plan of land development) sc. 1:500		"FLUXPROIECT" Ltd.		

[illegible]

Beton asfaltic, (Asphalt concrete, h=0.08m)
Piatra Sparta M400 f.40-70mm, conform GOST 8267-93, h=0,15m (Crushed stone M400 Fr.of 40-70mm under GOST 8267-93, h=0.15m)
Nisip conform GOST 8736-93, h=0,10m (Sand under GOST 8736-93, h=0.10m)
Pamint compacta (Compacted soil)



***Nota (Note)**

1. Sistematizarea pe verticala este calculata prin metoda diferentierii cotelor de inaltime (celor negre si rosii) si asigura scurgerea apelor pluviale in mod natural; (The vertical systematization is calculated by the method of differentiating the height quotas (the black and the red ones) and ensures the flow of the rainwater naturally).
2. Sistema de inaltime: Marea Baltica; (Height system: Baltic Sea).
3. Ca punct de reper a inaltimii poate fi folosita cota stilpului de curent electric existent indicata in plan, cu cota absoluta de 89.49; (As a reference point for the height, can be used the elevation of the existing electric pole indicated in the plan, with the absolute quota of 89.49); (X=187330.2888, Y=88195.5235)

Poz. (Pos.)	Denumirea (Name)	Nota (Note)
1	Rezervoare supraterane de apa V=1000m ³ (Above-ground water reservoirs V=1000m ³)	Proiectat (Designed) 22/21-B-1-TH)
2	Camin de vizitare (F-1) (Manhole (F-1))	Proiectat (Designed) 22/21-B-1-TH)
3	Camin de golire (CG-1) (Emptying manhole (CG-1))	Proiectat (Designed) 22/21-B-1-TH)
4	Camin de vizitare (F-72) (Manhole (F-72))	Proiectat (Designed) 08/18-AE)
5	Camin de vizitare (F-2) (Manhole F-2)	Proiectat (Designed) 22/21-B-1-TH)
6	Camin de vizitare (F-3) (Manhole F-3)	Proiectat (Designed) 22/21-B-1-TH)

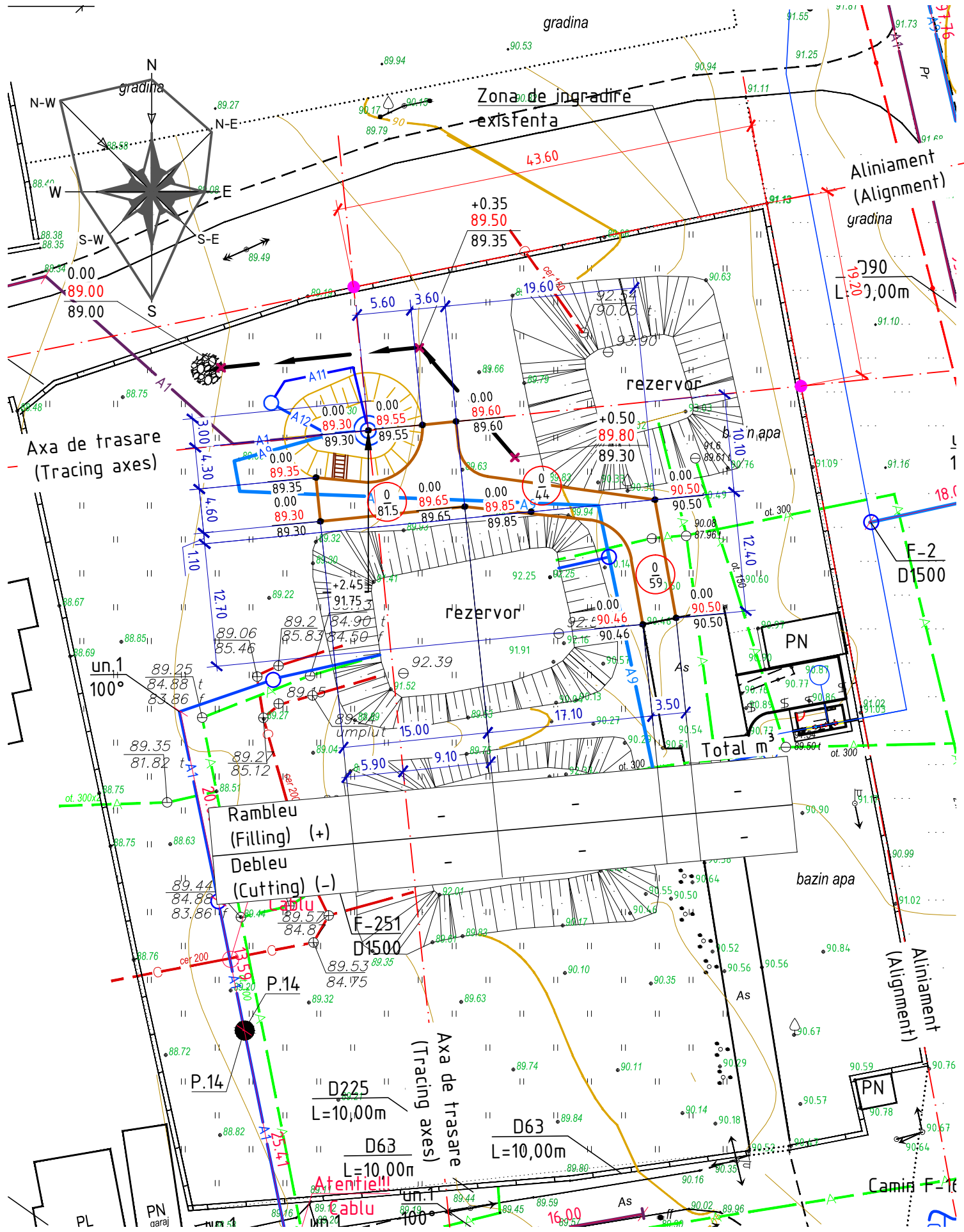
Semne conventionale (Conventional signs)	Denumirea (Name)	Sup.imbracata (Area) m ²	Piatra de bordura (Kerbstone)	
			Tip (Type)	Cantitatea (Quantity) m
	Imbracaminte din beton asfaltic Covering of asphalt concrete	183.00	БР.100.30.15	104.00

	Orizontale proiectate (Designed horizontals)	<u>10.30</u> 10.30	<u>Cote proiectate (Designed Elevation)</u> Cote existente (Existed Elevation)
	Orizontale existente (Existed horizontals)	<u>10.50_r</u> 10.00_{s,r}	<u>Cota de fund a rigolei (Elevation foundation of gutter)</u> Cota sus a rigolei (Elevation upper of gutter)

[illegible]

Plan volume de impluturi si excavari
(Plan of filling and excavation volumes)
SC. 1:500

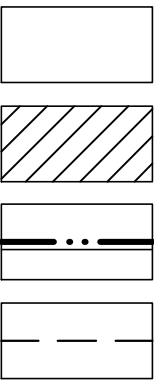
COMPENSAREA A TERASAMENTELOR
(BALANCE OF EXCAVATION WORKS)



Nr. (Item)	Denumirea lucrarilor si volumelor de sol (Name of works and soil volumes)	Cantitatea, (Quantity) m ³	
		Rambleu (Filling)	Debleu (Cutting)
1	Scoaterea stratului de sol fertil, h=0.3 m pe S=200m ² (Removal of the fertile soil layer, h=0.3 for Area=200m ²)	-	60.0
2	Transportarea stratului de sol fertil (Transportation of the fertile soil layer)	-	60.0
Total I			60.0
3	Indiguirea suprafetelor (Embank surfaceses)	145.0	-
4	Nivelarea terenului (Land levelling)	-	-
5	Sol excendent la realizarea (Exceeding volumes of soil): - albiei pentru imbracaminte rutiera (bed for road covering) - transeelor fundatiilor constructiilor (structure foundation trenches)	-	60.5
6	Rigola de evacuarea apei (Gutter drain)	-	3.5
7	Corectia solului fertil (Correction of the fertile soil)	60.0	-
Total II		205.0	64.0
8	Neajuns de sol (The deficiency of soil)		14.0

- Indicatii de executarea lucrarilor
(Guidance for execution of works)
- Solul fertil in volum de 60.0 m³ de excvat si mutat la o distanta de 15 m, in zona de inverzire a terenului amenajat.
(The fertile soil with the volume of 60.0 m³ will be excavated and moved at a distance of 15 m, in the green area of the landscape).
 - Solul excendent (surplus) la realizarea albiei pentru imbracaminte rutiera in volum de 60.5 m³, este excavata cu buldozerul si mutat la o distanata de pina la 50 m.
(Excess (surplus) of soil used for road covering bed with a volume of 60.5 m³, is excavated with the bulldozer and moved to a distance of up to 50m).
 - Surplusul de sol in volum de 3.5 m³ a rigoliei de evacuarea a apei, este excavat cu excavatorul si mutat la o distanata de pina la 100 m.
(Excess (surplus) of soil with a volume of 3.5 m³ from water drainage gutter, is excavated by an excavator and displaced at a distance of 100 m).
 - Neajunsul de sol (argila nisipoasa) se va aduce de la o distanta de 5.0 km cu autobasculantele.
(The deficiency of soil (sandy clay) will be brought from a 5.0 km distance with dumpers).
 - Compactarea solului (argila nisipoasa) in rambleu se va executa in straturi (cu o grosimea de 0,2m) si compactat cu ruloul. Stratul urmatoar compactat va trece cu 0,2-0,3m in latimea stratului precedent. Solul de compactat pina la greutatea volumerica minima 1,65 t/m³ in stare uscata, in limita intregii grosimi. Compactarea de efectuat cu trecerea de 8 ori a compactorului cu rulou pe fiecare strat. E necesar de efectuat analizele de laborator a compactarii fiacarui strat si de alcatuit procesul vrebai al lucrarilor ascunse.
(The compaction of the soil (sandy clay) in the backfill will be carried out in layers (with a thickness of 0.2m) and compacted with the roller. The next compacted layer will pass 0.2-0.3m in the width of the previous layer. The soil to be compacted up to a minimum volumetric weight of 1.65 t/m³ in a dry state, within the entire thickness. The compaction should be carried out by passing 8 times of the roller compactor on each layer. It is necessary to perform the laboratory analyzes of the compaction of each layer and to make up the protocol on hidden works).
 - La lucrarile de excavare si batatorire a solului a se conduce de cerintele: SNIP 2.02.01-83; SNIP 3.01.01-85; SNIP 3.02.01-87; SNIP 111-4-80.
(At the excavation and backfilling works shall be performed in accordance with following requirements: SNiP 3.01.01-85; SNiP 3.02.01-87; SNiP 111-4-80).

Semne conventionale
(Symbols)

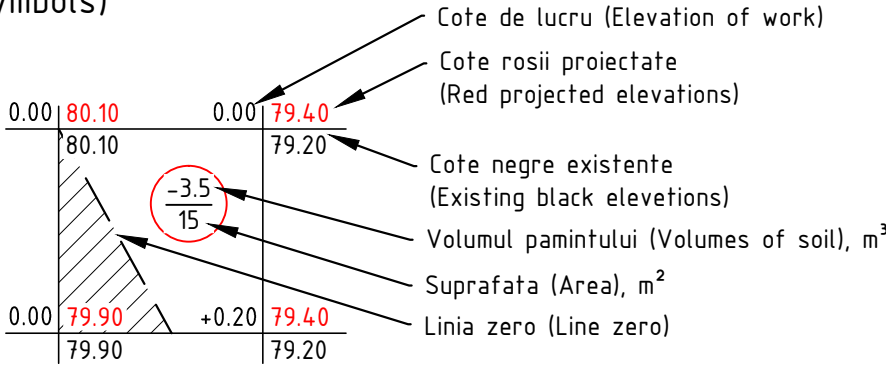


Rambleu
(Filling)

Debleu
(Cutting)

Hotarul de lucru
(Boundary of work)

Hotarul dintre rambleu si debleu
(Boundary between excavation and filling)



Datele indicate (Specified data)

- La planul volumelor de implutura a excavarii in patrat sunt: la numarator - cotele de oragnizare a terenului; la numitor - cotele existente.
(Regarding the plan of excavation filling volumes, in a square are: at numerator-elevations of land arrangement, denominator-existing elevations).
- Volumul solului din transeele fundatiilor si cailor de comunicatii subterane se vor concretiza in devizul proiectului.
(The volume of soil from foundation trenches and underground communications routes will be detailed in the financial quote).

					22/21-B-PG			
					Retelele de alimentare cu apa in orasul Vulcanesti Water supply networks in Vulcanesti town			
					Platforma "B" (Platform "B") Castel de apa V=50m ³ , hp=18,0m (Water tower V=50m ³ , hp=18,0m)	Phase	Sheet	Sheets
ASP/ACP	Burlacu A.		07.22			PE	5	
Elab./Drawn	Burlacu A.		07.22		Plan volume de impluturi si excavari (Plan of filling and excavation volumes) sc. 1:500	"FLUXPROIECT" Ltd.		