



**ARCHAEOLOGICAL WORKS AND PUO NETWORK DIVERSIONS ON SECTION A' "ALSOS VEIKOU-GOUDI" OF LINE 4**

**ETEP - PETEP ITEMS MATCHING SCHEDULE**

No.	Item	Work type	Valid ETEP No. (Black) <i>Καταργημένες (Γκρι)</i>	Title of PETEP (underlined) or ETEP, if PETEP not available	<u>PETEP No.</u> (underlined) CIRCULAR 17
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**GROUP A: EARTHWORKS, WORKS FOR ADDRESSING WATER, RETAINING WORKS, GREEN RELATED WORKS, ROAD – PAVING WORKS, ASPHALT WORKS, SIGNAGE – SAFETY**

		<b>LOADING / UNLOADING</b>			
1	ΥΔΡ 2.01	Loading / unloading of excavation materials from earthy or semi-rock soil and sand-gravels	ETEP-02-05-00-00	Management of excavation materials and exploitation of dumping sites	
2	ΥΔΡ 2.02	Loading / Unloading of rocky materials or of dismantled reinforced or non-reinforced concrete			
		<b>EXCAVATIONS</b>			
		<b>Trench excavations for utility networks in earthy or semi-rocky soil</b>			
3	ΥΔΡ 3.10.01.01	Bottom width up to 3.00 m, side disposal of the excavation spoils. For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
4	ΥΔΡ 3.10.01.02	Bottom width up to 3.00 m, side disposal of the excavation spoils. For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
5	ΥΔΡ 3.10.01.03	Bottom width up to 3.00 m, side disposal of the excavation spoils. For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
6	ΥΔΡ 3.10.01.04	Bottom width up to 3.00 m, side disposal of the excavation spoils. For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
7	ΥΔΡ 3.10.02.01	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
8	ΥΔΡ 3.10.02.02	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
9	ΥΔΡ 3.10.02.03	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
10	ΥΔΡ 3.10.02.04	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
11	ΥΔΡ 3.10.03.01	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	

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12	ΥΔΡ 3.10.03.02	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
13	ΥΔΡ 3.10.03.03	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
14	ΥΔΡ 3.10.03.04	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
15	ΥΔΡ 3.10.04.01	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
16	ΥΔΡ 3.10.04.02	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
17	ΥΔΡ 3.10.04.03	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
18	ΥΔΡ 3.10.04.04	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
19	ΥΔΡ 3.10.05.01	Bottom width over 5.00 m, side disposal of the excavation spoil For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
20	ΥΔΡ 3.10.05.02	Bottom width over 5.00 m, side disposal of the excavation spoil For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
21	ΥΔΡ 3.10.05.03	Bottom width over 5.00 m, side disposal of the excavation spoil For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
22	ΥΔΡ 3.10.05.04	Bottom width over 5.00 m, side disposal of the excavation spoil For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
23	ΥΔΡ 3.10.06.01	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
24	ΥΔΡ 3.10.06.02	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	

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25	ΥΔΡ 3.10.06.03	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
26	ΥΔΡ 3.10.06.04	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
		<b>Trench excavations for utility networks in rocky soil</b>			
27	ΥΔΡ 3.11.01.01	Bottom width up to 3.00 m, side disposal of the excavation spoil For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
28	ΥΔΡ 3.11.01.02	Bottom width up to 3.00 m, side disposal of the excavation spoil For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
29	ΥΔΡ 3.11.01.03	Bottom width up to 3.00 m, side disposal of the excavation spoil For trench depth from 6.01 έως 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
30	ΥΔΡ 3.11.01.04	Bottom width up to 3.00 m, side disposal of the excavation spoil For trench depth from 8.01 έως 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
31	ΥΔΡ 3.11.02.01	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
32	ΥΔΡ 3.11.02.02	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
33	ΥΔΡ 3.11.02.03	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
34	ΥΔΡ 3.11.02.04	Bottom width up to 3.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
35	ΥΔΡ 3.11.03.01	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
36	ΥΔΡ 3.11.03.02	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	

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37	ΥΔΡ 3.11.03.03	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
38	ΥΔΡ 3.11.03.04	Bottom width from 3.01 up to 5.00 m, side disposal of the excavation spoil For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
39	ΥΔΡ 3.11.04.01	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
40	ΥΔΡ 3.11.04.02	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
41	ΥΔΡ 3.11.04.03	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
42	ΥΔΡ 3.11.04.04	Bottom width from 3.01 up to 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
43	ΥΔΡ 3.11.05.01	Bottom width over 5.00 m, side disposal of excavation spoil For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
44	ΥΔΡ 3.11.05.02	Bottom width over 5.00 m, side disposal of excavation spoil For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
45	ΥΔΡ 3.11.05.03	Bottom width over 5.00 m, side disposal of excavation spoil For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
46	ΥΔΡ 3.11.05.04	Bottom width over 5.00 m, side disposal of excavation spoil For trench depth from 8.01 up to 10.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
47	ΥΔΡ 3.11.06.01	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth up to 4.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
48	ΥΔΡ 3.11.06.02	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 4.01 up to 6.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	

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49	ΥΔΡ 3.11.06.03	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 6.01 up to 8.00 m	ETEP 08-01-03-01	Trench excavations for utility networks	
50	ΥΔΡ 3.11.06.04	Bottom width over 5.00 m, loading the excavation spoil to a vehicle, vehicle's idleness and transportation at any distance For trench depth from 8.01 up to 10.00m	ETEP 08-01-03-01	Trench excavations for utility networks	
51	ΥΔΡ 3.12	Increase in the prices pertaining to trench excavations for utility networks in order to address additional difficulties due to PUO networks passing alongside the trench	ETEP 08-01-03-01	Trench excavations for utility networks	
52	ΥΔΡ 3.13	Increase in the prices pertaining to trench excavations for utility networks in any type of soil for the execution of works under space constraints	ETEP 08-01-03-01	Trench excavations for utility networks	
		Application of vibroflotation techniques for trenchless network passage			
53	ΥΔΡ 3.14.01	Boring of an $\Phi$ 200 mm hole	ETEP 08-01-04-01	Trenchless utilities installation with soil displacement methods	
54	ΥΔΡ 3.14.02	Boring of an $\Phi$ 250 mm hole	ETEP 08-01-04-01	Trenchless utilities installation with soil displacement methods	
55	ΥΔΡ 3.14.03	Boring of an $\Phi$ 400 mm hole	ETEP 08-01-04-01	Trenchless utilities installation with soil displacement methods	
56	ΥΔΡ 3.16	Excavation spoil laying	ETEP 02-05-00-00	Management of excavation materials and exploitation of dumping sites	
57	ΥΔΡ 3.17	Excavation of foundations for technical structures in earthy, semi-rocky soil	ETEP02-04-00-00	Excavations for foundation works	
58	ΥΔΡ 3.18.01	Excavation of foundations for technical structures in rocky soil Without the use of explosives (only percussion machine)	ETEP 02-04-00-00	Excavations for foundation works	
59	OIK 20.07	Individual excavations (monoblock concrete walls)	ETEP 02-04-00-00	Excavations for foundation works	
		<b>DEMOLITIONS - DISMANTLING – RELOCATIONS</b>			
60	ΟΔΟ A-5.1	Dismantling of structures with reinforced concrete bearing elements (up to 4.0m high)	ETEP 02-01-01-00	Works zone grubbing and clearing	
61	ΟΔΟ A-6	Dismantling of brick-made structures etc.	ETEP 02-01-01-00	Works zone grubbing and clearing	
62	ΟΔΟ A-7	Dismantling of structures made of steel	ETEP 02-01-01-00	Works zone grubbing and clearing	
63	ΟΔΟ A-8	Dismantling of metal sheet structures with wooden frame	ETEP 02-01-01-00	Works zone grubbing and clearing	
64	ΟΔΟ A-9	Dismantling of compact fencing			
65	ΟΔΟ A-10	Dismantling of chain link fencing			
66	ΟΔΟ A-12	Dismantling of reinforced concrete	ETEP 15-02-01-01	Demolition of members of concrete structures by mechanical means	

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		<b>Dismantling of individual members or sections of structures made of reinforced concrete</b>			
67	ΥΔΡ 4.01.01	Ordinary precision, use of air-compressors and other conventional means (hydraulic hammer, compressed – air tools, electrical tools, etc.)	ETEP 15-02-01-01	Demolition of members of concrete structures by mechanical means	
68	ΥΔΡ 4.01.02	Particular precision requirements, use of special equipment of undisturbed cut of concrete (wire cutters, disc cutters, thermal lance cutting, water jet cutting)	ETEP 15-02-01-01	Demolition of members of concrete structures by mechanical means	
69	ΥΔΡ 4.04	Dismantling of sidewalks' slab paving			
70	ΥΔΡ 4.05	Dismantling of curbs, pre-cast or not			
71	ΥΔΡ 4.13	Dismantling of structures made of non-reinforced concrete			
72	ΥΔΡ 4.14	Dismantling of stonewall or brickwall			
73	OIK 22.65.02	Dismantling of metallic balustrades			
74	OIK N.22.56.1	Careful dismantling of OASA and/or ILPAP stops whose relocation is imposed due to the Project needs, including the respective ticket selling facilities and their appurtenances, and their re-positioning at new locations			
75	OIK N.22.56.2	Dismantling with due attention of kiosks, whose relocation is imposed due to the Project needs, including the kiosks ancillary structures / facilities and their re-positioning at new locations			
76	OIK N.22.56.3	Dismantling, transportation, temporary storage and safe-keeping within the worksite area of cast-iron gratings intended to protect holes for trees, until their re-positioning and delivery to AM			
		<b>WORKS FOR ADDRESSING WATER</b>			
		<b>Operation of worksite pumping stations</b>			
		<i>Diesel or gas-driven pumping stations</i>			
77	ΥΔΡ 6.01.01.01	Power up to 1,0 HP	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
78	ΥΔΡ 6.01.01.02	Power 1,0 to 2,0 HP	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
79	ΥΔΡ 6.01.01.03	Power 2,0 to 5,0 HP	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
80	ΥΔΡ 6.01.01.04	Power 5,0 to 10,0 HP	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
81	ΥΔΡ 6.01.01.05	Power 10,0 to 20,0 HP	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
		<i>Pumping stations, motorized</i>			
82	ΥΔΡ 6.01.02.01	Power up to 1,0 KW(HP)	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
83	ΥΔΡ 6.01.02.02	Power 1,0 to 2,5 KW(HP)	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	

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84	ΥΔΡ 6.01.02.03	Power 3,0 to 5,0 KW(HP)	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
85	ΥΔΡ 6.01.02.04	Power 5,0 to 7,5 KW(HP)	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
86	ΥΔΡ 6.01.02.05	Power 8,0 to 10,0 KW(HP)	ETEP 08-10-01-00 ETEP 08-10-02-00	Work-site water pumping Wastewater and sludge pumping	
		<b>Lowering groundwater level using the well points system, per day of system operation</b>			
		<i>Operation of the pumping station based on the number of well points</i>			
87	ΥΔΡ 6.02.01.01	pumping station with 4 well points	ETEP 08-10-03-00	Dewatering with well points	
88	ΥΔΡ 6.02.01.02	pumping station with 8 well points	ETEP 08-10-03-00	Dewatering with well points	
		<i>Operation of the pumping station based on the installed power</i>			
89	ΥΔΡ 6.02.02.01	20 kW pumping station	ETEP 08-10-03-00	Dewatering with well points	
90	ΥΔΡ 6.02.02.02	50 kW pumping station	ETEP 08-10-03-00	Dewatering with well points	
		<b>ANCHORING</b>			
91	ΟΔΟ Β-21.1	Permanent pre-stressed rock anchoring of the slopes of open excavations, operation load 400-500 kN and length □ 20 m	ETEP 11-02-04-00	Prestressed anchors	
		<b>Fully grouted bolts in open excavation slopes</b>			
92	ΟΔΟ Β-23.1	Bearing capacity 200kN using Φ25 B500C bars	ETEP 12-03-03-04	Tunnel support with simple fully grouted bolts (SN dowels)	
93	ΟΔΟ Β-23.2	Bearing capacity 300kN using Φ28 B500C bars	ETEP 12-03-03-04	Tunnel support with simple fully grouted bolts (SN dowels)	
94	ΟΔΟ Β-23.3	Bearing capacity 440kN using Φ32 B500C bars	ETEP 12-03-03-04	Tunnel support with simple fully grouted bolts (SN dowels)	
		<b>STRUTS</b>			
95	ΟΙΚ 61.05	Bearing elements made of iron beams or girder beams up to 160 mm			
96	ΟΙΚ 61.06	Bearing elements made of iron beams or girder beams >160 mm			
		<b>PILING</b>			
		<b>Drilling and casting in-situ bored piles</b>			
97	ΟΔΟ Β-26.1	Bored pile diameter Φ 0.60 m	ETEP 11-01-01-00	Bored, in-situ cast concrete piles and pile cap beams	
98	ΟΔΟ Β-26.2	Bored pile diameter Φ 0.80 m	ETEP 11-01-01-00	Bored, in-situ cast concrete piles and pile cap beams	
99	ΟΔΟ Β-26.3	Bored pile diameter Φ1.00 m	ETEP 11-01-01-00	Bored, in-situ cast concrete piles and pile cap beams	
100	ΟΔΟ Β-27	Pile metal jacket	ETEP 11-01-01-00	Bored, in-situ cast concrete piles and pile cap beams	
101	ΟΔΟ Β-28	Sealing of pile wall using HDPE membrane	-		
		<b>OTHER RETAINING WORKS</b>			
102	ΥΔΡ 7.01	Timber Shoring System			
103	ΥΔΡ 7.02	Supply of steel sheet-piling	ETEP 11-02-02-00	Retaining structures with steel-sheet piles	
104	ΥΔΡ 7.03	Use of steel sheet piles	ETEP 11-02-02-00	Retaining structures with steel-sheet piles	
105	ΥΔΡ 7.04	Steel sheet pile drive	ETEP 11-02-02-00	Retaining structures with steel-sheet piles	
106	ΥΔΡ 7.05	Steel sheet pile extraction	ETEP 11-02-02-00	Retaining structures with steel-sheet piles	

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107	ΥΔΡ 7.06	Retaining of trench slopes with steel sheets			
108	ΥΔΡ 7.07	Application of Berlin method for excavations with vertical slopes			
		<b>EMBANKMENTS – EMBEDMENTS – IMPROVEMENTS – FILLING OF ISLANDS</b>			
109	ΟΔΟ Β-4.1	Embankments made of granular material under sidewalks	<i>ETEP 02-07-01-00</i>	<u>Construction of embankments with suitable excavation or borrow materials</u>	<u>PETEP 02-07-01-00</u>
110	ΟΔΟ Β-4.2	Transition embankment for technical works and sewage pipe zone embankments	<i>ETEP 02-07-03-00</i>	<u>Transition embankments</u>	<u>PETEP 02-07-03-00</u>
111	ΥΔΡ 5.03	Trench backfilling with excavation spoil without special compaction requirements			
112	ΥΔΡ 5.04	Underground utilities trench backfilling with excavation spoil requiring special compaction	<i>ETEP 08-01-03-02</i>	<u>Underground utilities trench backfilling</u>	<u>PETEP 08-01-03-02</u>
		<b>Underground utilities trench backfilling with graded crushed quarry sand-gravel</b>			
113	ΥΔΡ 5.05.01	Overall backfilling thickness up to 50 cm	<i>ETEP 08-01-03-02</i>	<u>Underground utilities trench backfilling</u>	<u>PETEP 08-01-03-02</u>
114	ΥΔΡ 5.05.02	Overall backfilling thickness over 50 cm	<i>ETEP 08-01-03-02</i>	<u>Underground utilities trench backfilling</u>	<u>PETEP 08-01-03-02</u>
115	ΥΔΡ 5.07	Foundation layers and pipes embedment using quarry sand	<i>ETEP 08-01-03-02</i>	<u>Underground utilities trench backfilling</u>	<u>PETEP 08-01-03-02</u>
116	ΥΔΡ 5.08	Foundation layers and pipes embedment using mind or torrent sand	<i>ETEP 08-01-03-02</i>	<u>Underground utilities trench backfilling</u>	<u>PETEP 08-01-03-02</u>
		<b>Improvement layers using sandy-gravel material</b>			
117	ΥΔΡ 5.09.01	Improvement layers using natural sand gravels			
118	ΥΔΡ 5.09.02	Improvement layers using crushed quarry materials			
119	ΥΔΡ 5.10	Underdrain filters with graded aggregates	ETEP 08-03-02-00	Underdrain filters with graded aggregates	
120	ΟΔΟ Α-23	Construction of sand - coarse layers of a variable thickness			
121	ΟΔΟ Α-25	Filling of road islands with horticultural soil	ETEP 02-07-05-00	Lining of road embankment slopes and filling of road islands with horticultural soil	
		<b>LAND (SCRUB) CLEARING - CUTTING DOWN AND GRUBBING OF TREES - RE-PLANTING OF TREES</b>			
		<b>Land (Scrub) Clearing</b>			
122	ΟΙΚ 20.01.01	with sapling - trunk circumference up to 0.25 m	ETEP 02-01-01-00	Works zone grubbing and clearing	
123	ΟΙΚ 20.01.02	with sapling - trunk circumference from 0.26 to 0.40 m	ETEP 02-01-01-00	Works zone grubbing and clearing	
		<b>Cutting down – grubbing of trees</b>			
124	ΠΡΣ Ζ2.2	Grubbing of big trees - trunk circumference from 0.41 to 0.60 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
125	ΠΡΣ Ζ2.3	Grubbing of big trees - trunk circumference from 0.61 to 0.90 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
126	ΠΡΣ Ζ2.4	Grubbing of big trees - trunk circumference from 0.91 to 1.20 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
127	ΠΡΣ Ζ2.5	Grubbing of big trees - trunk circumference from 1.21 to 1.50 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
128	ΠΡΣ Ζ2.6	Grubbing of big trees - trunk circumference over 1.51 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
129	ΠΡΣ Ζ2.7	Cutting down – grubbing of non-native tree species (ailanthus etc.) trunk height up to 3.0 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
130	ΠΡΣ Ζ2.8	Cutting down – grubbing of non-native tree species (ailanthus etc.) trunk height > 3,0 m	ETEP 10-07-01-00	Cutting of trees and shrubs and stump removal	
		<b>Re-planting of trees</b>			



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131	ΠΡΣ Ε10.1	Re-planting of plants with earth bale – volume 45 - 150 lt	ETEP 10-05-08-00	Transplanting of existing trees and shrubs	
132	ΠΡΣ Ε10.2	Re-planting of plants with earth bale – volume 151 - 300 lt	ETEP 10-05-08-00	Transplanting of existing trees and shrubs	
		<b>ROAD PAVING</b>			
133	ΟΔΟ Γ-1.1	Road Pavement Sub-base with variable thickness	<del>ETEP 05-03-03-00</del>	<u>Road pavement layers with unbound aggregates</u>	PETEP 05-03-03-00
134	ΟΔΟ Γ-1.2	Road pavement sub-base - compaction thickness 0.10 m	<del>ETEP 05-03-03-00</del>	<u>Road pavement layers with unbound aggregates</u>	PETEP 05-03-03-00
135	ΟΔΟ Γ-2.1	Road pavement base with variable thickness	<del>ETEP 05-03-03-00</del>	<u>Road pavement layers with unbound aggregates</u>	PETEP 05-03-03-00
136	ΟΔΟ Γ-2.2	Base - 0.10 m thick (PTP O-155)	<del>ETEP 05-03-03-00</del>	<u>Road pavement layers with unbound aggregates</u>	PETEP 05-03-03-00
137	ΟΔΟ Γ-4	Levelling Layer (PTP O-150)	<del>ETEP 05-03-03-00</del>	<u>Road pavement layers with unbound aggregates</u>	PETEP 05-03-03-00
		<b>ASPHALT WORKS (asphalt price included)</b>			
138	ΟΔΟ Δ-1	Cutting the road pavement using asphalt cutter			
		<b>Abrasion of road pavement (milling)</b>			
139	ΟΔΟ Δ-2.1	Abrasion of road pavement (milling) at a depth down to 4 cm	ETEP 05-03-14-00	Milling of asphalt concrete pavements	
140	ΟΔΟ Δ-2.2	Abrasion of road pavement (milling) at a depth down to 6 cm	ETEP 05-03-14-00	Milling of asphalt concrete pavements	
141	ΟΔΟ Δ-2.3	Abrasion of road pavement (milling) at a depth down to 8 cm	ETEP 05-03-14-00	Milling of asphalt concrete pavements	
142	ΟΔΟ Δ-3	Asphalt pre-coating	ETEP 05-03-11-01	Asphalt pre-coating	
143	ΟΔΟ Δ-4	Asphalt adhesive coat			
144	ΟΔΟ Δ-5.1	Asphalt base layer - compaction thickness 0.05 m	<del>ETEP 05-03-11-04</del>	<u>Hot mixed dense graded asphalt concrete layers</u>	PETEP 05-03-11-04
145	ΟΔΟ Δ-6	Asphalt layers of variable thickness measured per weight	<del>ETEP 05-03-11-04</del>	<u>Hot mixed dense graded asphalt concrete layers</u>	PETEP 05-03-11-04
146	ΟΔΟ Δ-7	Asphalt binding (levelled) layers - compaction thickness 0.05 m	<del>ETEP 05-03-11-04</del>	<u>Hot mixed dense graded asphalt concrete layers</u>	PETEP 05-03-11-04
147	ΟΔΟ Δ-8.1	Traffic asphalt layer, standard type – compaction thickness 0.05 m	<del>ETEP 05-03-11-04</del>	<u>Hot mixed dense graded asphalt concrete layers</u>	PETEP 05-03-11-04
148	ΟΔΟ Δ-8A	Traffic asphalt layer - urban street type	<del>ETEP 05-03-11-04</del>	<u>Hot mixed dense graded asphalt concrete layers</u>	PETEP 05-03-11-04
		<b>Reinstatement of asphalt pavements at the locations of utility network trenches</b>			
149	ΥΔΡ 4.09.01	Reinstatement of asphalt pavements, average width of pre-existing asphalt layer 5 cm			
150	ΥΔΡ 4.09.02	Reinstatement of asphalt pavements, average width of pre-existing asphalt layer 10 cm			
		<b>SIGNAGE - SAFETY</b>			
		<b>VEHICLE RESTRAINT SYSTEMS</b>			
151	ΟΔΟ Ε-1.30.1	Concrete safety barriers, precast, containment level H2, working width W7, height 0.80 m, impact severity class B, option for backfilling in their rear			
152	ΟΔΟ Ε-1.30.2	Concrete safety barriers, precast, containment level H2, working width W6, height 0.80 m, impact severity class B			
153	ΟΔΟ Ε-1.30.3	Concrete safety barriers, precast, containment level H2, working width W4, height 0.80 m, impact severity class B, anchored or embedded			
154	ΟΔΟ Ε-1.30.7	Bridge safety barriers made of concrete, precast, containment level H2, working width W2, height 0.80 m, impact severity class B, anchored or embedded			
155	ΟΔΟ Ε-3.1	Dismantling (and eventual reinstallation) of a single-sided steel safety barrier, embedded	ETEP 05-05-02-00	Dismantling of steel safety barriers with or without re-installation	

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156	ΟΔΟ N.E-3.1.1	Reinstallation of a single-sided steel safety barrier, embedded <b>FENCING PANELS - GUARDRAILS</b>			
157	ΟΙΚ N.50.15.02	Panels to enhance - in terms of aesthetics – the already installed worksite Fencing			
158	ΟΔΟ E-4.2	Steel guardrails <b>SIGNS</b>	-		
		<b>Roadside information signs, fully retro-reflective, with type 2 sheeting per ELOT EN 12899-1</b>			
159	ΟΔΟ E-8.2.2	Roadside information signs with inscriptions and symbols made of retro-reflective membrane, type 2, per ELOT EN 12899-1	ETEP 05-04-06-00	Non scrolling traffic signs	
160	ΟΔΟ E-8.3	Roadside information signs, fully retro-reflective, with type 1 sheeting per ELOT EN 12899-1 <b>Regulatory signs and hazardous area signs</b>	ETEP 05-04-06-00	Non scrolling traffic signs	
161	ΟΔΟ E-9.1	Hazardous area signs, triangular, side length 0.90 m	ETEP 05-04-06-00	Non scrolling traffic signs	
162	ΟΔΟ E-9.4	Regulatory signs, medium size	ETEP 05-04-06-00	Non scrolling traffic signs	
163	ΟΔΟ E-10.1	Traffic sign poles made of galvanized steel tube DN 40 mm (1 ½")	<del>ETEP 05-04-07-00</del>	<u>Traffic signs mounting and support systems</u>	<u>PETEP 05-04-07-00</u>
164	ΟΔΟ E-10.2	Traffic sign poles made of galvanized steel tube DN 80 mm (3")	<del>ETEP 05-04-07-00</del>	<u>Traffic signs mounting and support systems</u>	<u>PETEP 05-04-07-00</u>
165	ΟΔΟ E-14	Trusses for the support of large – size road side signs <b>OTHER SIGNAGE WORKS</b>	<del>ETEP 05-04-07-00</del>	<u>Traffic signs mounting and support systems</u>	<u>PETEP 05-04-07-00</u>
166	ΟΔΟ E-15.2	Plastic retro-reflective road stud, temporary, two-way retro-reflective			
167	ΟΔΟ E-17.1	Reflective road marking paint	ETEP 05-04-02-00	Horizontal road signs	
168	ΟΔΟ E-19	Reflective striped delineator on barriers			
169	ΟΔΟ E-20	Base for the Temporary Support of Signs			

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<b>GROUP B: CONCRETE STRUCTURES – WATERPROOFING – JOINTS, OTHER WORKS</b>					
<b>CONCRETE</b>					
<b>Concrete Structures</b>					
170	ΟΔΟ Β-29.1.1	Rafts and blinding concrete from non-reinforced concrete C8/10	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>       <u>PETEP 01-03-00-00</u>
171	ΟΔΟ Β-29.1.2	Structures made of non-reinforced concrete C8/10	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>       <u>PETEP 01-03-00-00</u>
172	ΟΔΟ Β-29.2.1	Construction of gutters, trenches, etc., using non-reinforced concrete C12/15	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>       <u>PETEP 01-03-00-00</u>

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173	ΟΔΟ Β-29.2.2	Rafts, pipe sleeves, blinding layers – concrete class C12/15	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
174	ΟΔΟ Β-29.3.1	Construction of gutters, trapezoid trenches, bridge waterproofing protection layers, etc., using C16/20 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
175	ΟΔΟ Β-29.3.2	Construction of walls, footways on bridges, pile wall lining, etc., using C16/20 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
176	ΟΔΟ Β-29.3.3	Construction of complete slabs, boneblack bases, thin-walled and square ducts using C16/20 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>

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177	ΟΔΟ Β-29.3.4	Minor structures (manholes, rectangular trenches, etc.) using C16/20 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
178	ΟΔΟ Β-29.3.6	Construction of vaulted concrete ducts with concrete C16/20	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
179	ΟΔΟ Β-29.4.1	Construction of gutters, lined trenches, smoothing of bottoms, etc., using C20/25 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
180	ΟΔΟ Β-29.4.2	Construction of square ducts with reinforced concrete C20/25	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>

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181	ΟΔΟ Β-29.4.3	Construction of vaulted ducts with C20/25 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
182	ΟΔΟ Β-29.4.4	Minor structures of C20/25 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
183	ΟΔΟ Β-29.4.5	Construction of stands, access plates, walls, parapet walls, etc., using C20/25 concrete	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
184	ΟΔΟ Β-29.7	Application of shotcrete outside underground projects	<del>ETEP 01-01-01-00</del> ETEP 01-01-02-00 <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> ETEP 01-01-05-00 ETEP 01-01-07-00 <del>ETEP 01-03-00-00</del> ETEP 01-04-00-00 ETEP 01-05-00-00	<u>Concrete production and transportation</u> Concrete casting and vibration <u>Concrete curing</u> <u>Concrete batching plants</u> Concrete compaction by vibration Mass concrete <u>Scaffolding</u> Concrete formwork Formation of final surfaces in cast concrete without use of mortars	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>  <u>PETEP 01-03-00-00</u>
185	ΥΔΡ 9.01	Formwork or Metal formwork of flat surfaces	<del>ETEP 01-03-00-00</del> ETEP 01-04-00-00	<u>Scaffolding</u> <u>Concrete formwork</u>	<u>PETEP 01-03-00-00</u>

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186	ΥΔΡ 9.02	Formwork or Metal formwork of curved surfaces	<del>ETEP 01-03-00-00</del> ETEP 01-04-00-00	<u>Scaffolding</u> <u>Concrete formwork</u>	<u>PETEP 01-03-00-00</u>
		Concrete production, transportation, casting, compaction and curing			
187	ΥΔΡ 9.10.1	For structures made of concrete class C8/10	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
188	ΥΔΡ 9.10.2	For structures made of concrete class C10/12	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
189	ΥΔΡ 9.10.3	For structures made of concrete class C12/15	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
190	ΥΔΡ 9.10.4	For structures made of concrete class C16/20	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
191	ΥΔΡ 9.10.5	For structures made of concrete class C20/25	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
192	ΥΔΡ 9.10.6	For structures made of concrete class C25/30	<del>ETEP 01-01-01-00</del> <del>ETEP 01-01-02-00</del> <del>ETEP 01-01-03-00</del> <del>ETEP 01-01-04-00</del> <del>ETEP 01-01-05-00</del> <del>ETEP 01-01-07-00</del>	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>

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193	ΥΔΡ 9.10.7	For structures made of concrete class C30/37	<i>ETEP 01-01-01-00</i> ETEP 01-01-02-00 <i>ETEP 01-01-03-00</i> <i>ETEP 01-01-04-00</i> ETEP 01-01-05-00 ETEP 01-01-07-00	<u>Concrete production and transportation</u> <u>Concrete casting and vibration</u> <u>Concrete curing</u> <u>Concrete batching plants</u> <u>Concrete compaction by vibration</u> <u>Mass concrete</u>	<u>PETEP 01-01-01-00</u>  <u>PETEP 01-01-03-00</u> <u>PETEP 01-01-04-00</u>
		<b>REINFORCEMENT</b>			
		<b>Concrete Steel Reinforcement</b>			
194	ΟΔΟ B-30.1	Concrete Steel Reinforcement B500A	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
195	ΟΔΟ B-30.2	Concrete Steel Reinforcement B500 C outside underground projects	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
196	ΟΔΟ B-30.3	Steel structural mesh B500C outside underground projects	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
197	ΟΔΟ B-30.4	Concrete Steel Fibres	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
198	ΟΔΟ B-30.5	Polypropylene Concrete Fibres	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
199	ΥΔΡ 9.26	Supply and Installation of concrete steel reinforcement for hydraulic works	<i>ETEP 01-02-01-00</i>	<u>Steel reinforcement for concrete</u>	<u>PETEP 01-02-01-00</u>
		<b>TREATMENT OF CONCRETE SURFACES – INSULATIONS - JOINTS</b>			
200	ΟΔΟ B-33	Hard pressed plaster 1.5 cm thick for external surfaces	ETEP 08-05-01-04	Protective coatings of hydraulic concrete structures using in-situ or ready-mixed cement mortars	
201	ΟΔΟ B-34	Hard pressed plaster 2.0 cm thick for the external surfaces of sewers and manholes/sumps	ETEP 08-05-01-04	Protective coatings of hydraulic concrete structures using in-situ or ready-mixed cement mortars	
202	ΟΔΟ B-36	Insulation by applying two coats of asphalt			
203	ΟΔΟ B-37.1	Sealing the concrete surface with asphalt membrane on asphalt concrete blinding	<i>ETEP 08-05-01-02</i> <i>ETEP 05-03-11-04</i>	<u>Waterproofing of concrete structures using asphaltic membranes</u> <u>Hot mixed dense graded asphalt concrete layers</u>	<u>PETEP 08-05-01-02</u> <u>PETEP 05-03-11-04</u>
204	ΟΔΟ B-37.2	Sealing concrete surfaces with two layers of asphalt fabric and protection mortar	<i>ETEP 08-05-01-02</i>	<u>Waterproofing of concrete structures using asphaltic membranes</u>	<u>PETEP 08-05-01-02</u>
205	ΟΔΟ B-42	Waterproofing drainage channels bottom with geomembrane			
206	ΟΔΟ B-43.1	Sealing horizontal joints with asphalt mastic applied in hot			
207	ΟΔΟ B-43.2	Sealing vertical and oblique joints with plastomer asphalt mastic			
208	ΟΔΟ B-44	Sealing of joints with waterstop	ETEP 08-05-02-02	Waterstops for concrete joints	
209	ΟΔΟ B-64.1	Geotextiles for underdrains	ETEP 08-03-03-00	Geotextiles for underdrains	
		<b>Flexible tapes of indoor type (Waterstops) for waterproofing concrete joints</b>			
210	ΥΔΡ 10.02.01	For 160 mm. wide tapes	ETEP 08-05-02-02	Waterstops for concrete joints	
211	ΥΔΡ 10.02.02	For 240 mm. wide tapes	ETEP 08-05-02-02	Waterstops for concrete joints	
212	ΥΔΡ 10.02.03	For 300 mm. wide tapes	ETEP 08-05-02-02	Waterstops for concrete joints	
		<b>Joint sealing of nominal gap 10mm using elastomeric material</b>			
213	ΥΔΡ 10.03.01	Joint Sealing of 10mm span using polyurethane-based materials	ETEP 08-05-02-05	Concrete structures joint sealing using elastomeric materials	



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214	ΥΔΡ 10.03.02	Joint Sealing of 10mm span using polysulfide-based materials	ETEP 08-05-02-05	Concrete structures joint sealing using elastomeric materials	
215	ΥΔΡ 10.03.03	Joint Sealing of 10mm span using acrylic-based materials	ETEP 08-05-02-05	Concrete structures joint sealing using elastomeric materials	
216	ΥΔΡ 10.24	Perforated plastic drainage pipes D160 mm lined with geotextile			
217	ΥΔΡ 10.25	Application of epoxy welding material over an already existing concrete surface			
218	ΥΔΡ 10.30	Joints sealing using a bentonite expansive tape			
		<b>URBAN ROADWORKS</b>			
219	ΟΔΟ B-51	Precast concrete curbs	<del>ETEP 05-02-01-00</del>	<u>Kerbs, gutters and roadside ditches</u>	<u>PETEP 05-02-01-00</u>
220	ΟΔΟ B-52	Slab paving of sidewalks, traffic islands, etc.	<del>ETEP 05-02-02-00</del>	<u>Paving slabs and cobblestones for pedestrian areas</u>	<u>PETEP 05-02-02-00</u>
221	ΟΔΟ B-81	Concrete slabs paving, 40x40 cm			
222	ΟΔΟ B-82	Configuration of crossings for persons with disabilities in sidewalks and traffic isles			
223	ΟΔΟ B-83	Concrete tree edging			
224	ΟΔΟ B-85	Adjusting the level of an existing manhole on a sidewalk under reconstruction			
225	ΥΔΡ 4.10	Retrofitting of paving slabs on sidewalks, traffic islands or squares above underground utility trenches	<del>ETEP 08-06-08-03</del>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u>	<u>PETEP 08-06-08-03</u>
226	ΥΔΡ 4.11	Reinstatement of sidewalk, made of non-reinforced concrete above underground utility trenches			

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<b>GROUP C: METAL STRUCTURES – FITTINGS, MANHOLES, PIPING – NETWORKS, NETWORK - PIPING ITEMS, REPAIR – MAINTENANCE WORKS, OTHER NETWORK STRUCTURES</b>					
<b>METAL STRUCTURES - FITTINGS</b>					
227	OΔO B-48	Galvanized iron articles			
228	OΔO B-49	Cast iron gully tops	ETEP 08-07-01-01	Grey cast iron gully tops	
229	OΔO B-50	Steps made of mild cast iron	<del>ETEP 08-07-01-05</del>	<u>Manhole steps</u>	<u>PETEP 08-07-01-05</u>
230	ΥΔΡ 11.01.02	Ductile iron tops			
231	ΥΔΡ 11.02.04	Ductile iron drainage gratings	ETEP 08-07-01-04	Ductile iron gully tops	
232	ΥΔΡ 11.03	Cast iron steps	<del>ETEP 08-07-01-05</del>	<u>Manhole steps</u>	<u>PETEP 08-07-01-05</u>
<b>SUMPS</b>					
<b>Standard stormwater drainage and sewage sumps (Works Construction Standards)</b>					
233	OΔO B-66.1	Sump, type Φ1N (Works Construction Standards)			
234	OΔO B-66.2	Sumps between slopes (Works Construction Standards)			
235	OΔO B-66.3	Sewerage manhole, type Φ10 (D=0.40 m or 0.60 m (Works Construction Standards)			
236	OΔO B-66.4	Sewerage manhole, type Φ10 (D=0.80 m) (Works Construction Standards)			
237	OΔO B-66.5	Sewerage manhole, type Φ11 (D=1.00 m) (Works Construction Standards)			
238	OΔO B-66.6	Sewerage manhole, type Φ12 (D=1.20 m) (Works Construction Standards)			
239	OΔO B-66.7	Underdrains manhole (Works Construction Standards)			
<b>Typical air relief valve manholes</b>					
240	ΥΔΡ 9.30.01	for pipes DN < 600 mm and dimensions 2.00x1.50 m	Per the applicable ETEP		
241	ΥΔΡ 9.30.02	for pipes DN > 600 mm and dimensions 2.20x1.50 m	Per the applicable ETEP		
<b>Typical Water Discharge Manholes</b>					
242	ΥΔΡ 9.31.01	simple manholes	Per the applicable ETEP		
243	ΥΔΡ 9.31.02	2-chamber manholes	Per the applicable ETEP		
<b>Typical valves manholes</b>					
244	ΥΔΡ 9.32.01	for pipes DN < 300 mm and dimensions 1.50x1.50 m	Per the applicable ETEP		
245	ΥΔΡ 9.32.02	for pipes DN 300 – 600 mm and dimensions 2.00x2.50 m	Per the applicable ETEP		
246	ΥΔΡ 9.32.03	for pipes DN > 600 mm and dimensions 2.00x3.00 m	Per the applicable ETEP		
<b>Typical supply meter devices manholes</b>					

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247	ΥΔΡ 9.33.01	for pipes DN ≤ 300 mm, and dimensions 2.00x1.50 m	Per the applicable ETEP		
248	ΥΔΡ 9.33.02	for pipes DN > 300 mm, and dimensions 2.20x1.50 m	Per the applicable ETEP		
249	ΥΔΡ 9.33.03	dimensions 2.50 x 2.50 m	Per the applicable ETEP		
250	ΥΔΡ 9.34	Typical water hammer arresting valves manholes	Per the applicable ETEP		
251	ΥΔΡ 9.35	Flow direction changing manholes, pipes DN ≤ 300 mm	Per the applicable ETEP		
252	ΥΔΡ 9.36	Typical junction manholes	Per the applicable ETEP		
		<b>PIPING - NETWORKS</b>			
253	ΟΔΟ B-59	Galvanized cable conduits DN100 (incorporated)			
		<b>Supply, transportation at the installation location and placement of precast concrete sewage pipes, strength class 120, per ELOT EN 1916</b>			
254	ΥΔΡ 12.01.01.01	Nominal diameter D200 mm			
255	ΥΔΡ 12.01.01.02	Nominal diameter D300 mm			
256	ΥΔΡ 12.01.01.03	Nominal diameter D400 mm			
257	ΥΔΡ 12.01.01.04	Nominal diameter D500 mm			
258	ΥΔΡ 12.01.01.05	Nominal diameter D600 mm			
259	ΥΔΡ 12.01.01.06	Nominal diameter D800 mm			
260	ΥΔΡ 12.01.01.07	Nominal diameter D1000 mm			
261	ΥΔΡ 12.01.01.08	Nominal diameter D1200 mm			
262	ΥΔΡ 12.01.01.09	Nominal diameter D1400 mm			
263	ΥΔΡ 12.01.01.10	Nominal diameter D1600 mm			
264	ΥΔΡ 12.01.01.11	Nominal diameter D1800 mm			
265	ΥΔΡ 12.01.01.12	Nominal diameter D2000 mm			
266	ΥΔΡ 12.01.01.13	Nominal diameter D2250 mm			
267	ΥΔΡ 12.01.01.14	Nominal diameter D2500 mm			
		<b>Solid wall PVC-U sewage pipes</b>			
268	ΥΔΡ 12.10.01	Sewage ducts made of PVC-U pipes, SDR 41, DN 110 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
269	ΥΔΡ 12.10.02	Sewage ducts made of PVC-U pipes, SDR 41, DN 125 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
270	ΥΔΡ 12.10.03	Sewage ducts made of PVC-U pipes, SDR 41, DN 160 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
271	ΥΔΡ 12.10.04	Sewage ducts made of PVC-U pipes, SDR 41, DN 200 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
272	ΥΔΡ 12.10.05	Sewage ducts made of PVC-U pipes, SDR 41, DN 250 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
273	ΥΔΡ 12.10.06	Sewage ducts made of PVC-U pipes, SDR 41, DN 315 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
274	ΥΔΡ 12.10.07	Sewage ducts made of PVC-U pipes, SDR 41, DN 355 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
275	ΥΔΡ 12.10.08	Sewage ducts made of PVC-U pipes, SDR 41, DN 400 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
276	ΥΔΡ 12.10.09	Sewage ducts made of PVC-U pipes, SDR 41, DN 500 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
277	ΥΔΡ 12.10.10	Sewage ducts made of PVC-U pipes, SDR 41, DN 630 mm	<u>ETEP 08-06-02-02</u>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>

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		<b>Saddle with coupler glued onto sewage pipes made of PVC-U series 41</b>			
278	ΥΔΡ 12.12.01.01	Saddle/coupler – Nominal diameters 200/125 mm.			
279	ΥΔΡ 12.12.01.02	Saddle/coupler – Nominal diameters 250/160 mm.			
280	ΥΔΡ 12.12.01.03	Saddle/coupler – Nominal diameters 315/160 mm.			
281	ΥΔΡ 12.12.01.04	Saddle/coupler – Nominal diameters 355/160 mm.			
282	ΥΔΡ 12.12.01.05	Saddle/coupler – Nominal diameters 400/160 mm.			
		<b>Ducts under pressure, made of PVC-U pipes</b>			
		<i>Nominal pressure 10 at</i>			
283	ΥΔΡ 12.13.02.01	Nominal diameter D 50 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
284	ΥΔΡ 12.13.02.02	Nominal diameter D 63 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
285	ΥΔΡ 12.13.02.03	Nominal diameter D 75 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
286	ΥΔΡ 12.13.02.04	Nominal diameter D 90 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
287	ΥΔΡ 12.13.02.05	Nominal diameter D110 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
288	ΥΔΡ 12.13.02.06	Nominal diameter D140 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
289	ΥΔΡ 12.13.02.07	Nominal diameter D160 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
290	ΥΔΡ 12.13.02.08	Nominal diameter D200 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
291	ΥΔΡ 12.13.02.09	Nominal diameter D225 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
292	ΥΔΡ 12.13.02.10	Nominal diameter D280 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
293	ΥΔΡ 12.13.02.11	Nominal diameter D315 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
294	ΥΔΡ 12.13.02.12	Nominal diameter D355 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
295	ΥΔΡ 12.13.02.13	Nominal diameter D400 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
296	ΥΔΡ 12.13.02.14	Nominal diameter D450 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
297	ΥΔΡ 12.13.02.15	Nominal diameter D500 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
		<i>Nominal pressure 16 at</i>			
298	ΥΔΡ 12.13.04.01	Nominal diameter D 50 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	

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299	ΥΔΡ 12.13.04.02	Nominal diameter D 63 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
300	ΥΔΡ 12.13.04.03	Nominal diameter D 75 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
301	ΥΔΡ 12.13.04.04	Nominal diameter D 90 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
302	ΥΔΡ 12.13.04.05	Nominal diameter D110 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
303	ΥΔΡ 12.13.04.06	Nominal diameter D140 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
304	ΥΔΡ 12.13.04.07	Nominal diameter D160 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
305	ΥΔΡ 12.13.04.08	Nominal diameter D200 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
306	ΥΔΡ 12.13.04.09	Nominal diameter D225 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
307	ΥΔΡ 12.13.04.10	Nominal diameter D280 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
308	ΥΔΡ 12.13.04.11	Nominal diameter D315 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
309	ΥΔΡ 12.13.04.12	Nominal diameter D355 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
310	ΥΔΡ 12.13.04.13	Nominal diameter D400 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
311	ΥΔΡ 12.13.04.14	Nominal diameter D450 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
312	ΥΔΡ 12.13.04.15	Nominal diameter D500 mm	ETEP 08-06-02-01 ETEP 08-06-08-01	Pressurized u-PVC pipe networks Warning tape above buried utilities	
		<b>Plastics Piping System under pressure consisting of solid wall PE pipes, (minimum required strength MRS10 = 10 MPa), per EN 12201-2</b>			
		<i>Nominal pressure 10 at</i>			
313	ΥΔΡ 12.14.01.04	Nominal diameter DN 63 mm / PN 10 atm			
314	ΥΔΡ 12.14.01.06	Nominal diameter DN 90 mm / PN 10 atm			
315	ΥΔΡ 12.14.01.07	Nominal Diameter DN 110 mm / PN 10 atm			
316	ΥΔΡ 12.14.01.08	Nominal Diameter DN 125 mm / PN 10 atm			
317	ΥΔΡ 12.14.01.09	Nominal Diameter DN 140 mm / PN 10 atm			
318	ΥΔΡ 12.14.01.10	Nominal Diameter DN 160 mm / PN 10 atm			
319	ΥΔΡ 12.14.01.11	Nominal Diameter DN 200 mm / PN 10 atm			
320	ΥΔΡ 12.14.01.15	Nominal Diameter DN 315 mm / PN 10 atm			
		<i>Nominal Pressure 16 at</i>			
321	ΥΔΡ 12.14.01.44	Nominal Diameter DN 63 mm / PN 16 atm			

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322	ΥΔΡ 12.14.01.46	Nominal Diameter DN 90 mm / PN 16 atm			
323	ΥΔΡ 12.14.01.47	Nominal Diameter DN 110 mm / PN 16 atm			
324	ΥΔΡ 12.14.01.48	Nominal Diameter DN 125 mm / PN 16 atm			
325	ΥΔΡ 12.14.01.49	Nominal Diameter DN 140 mm / PN 16 atm			
326	ΥΔΡ 12.14.01.50	Nominal Diameter DN 160 mm / PN 16 atm			
327	ΥΔΡ 12.14.01.51	Nominal Diameter DN 200 mm / PN 16 atm			
328	ΥΔΡ 12.14.01.55	Nominal Diameter DN 315 mm / PN 16 atm			
		<b>Networks under pressure made of ductile iron pipes</b>			
329	ΥΔΡ 12.15.01	Pipes DN 100 mm / class C40, per ELOT EN 545			
330	ΥΔΡ 12.15.02	Pipes DN 125 mm / class C40, per ELOT EN 545			
331	ΥΔΡ 12.15.03	Pipes DN 150 mm / class C40, per ELOT EN 545			
332	ΥΔΡ 12.15.04	Pipes DN 200 mm / class C40, per ELOT EN 545			
333	ΥΔΡ 12.15.05	Pipes DN 250 mm / class C40, per ELOT EN 545			
334	ΥΔΡ 12.15.06	Pipes DN 300 mm / class C40, per ELOT EN 545			
335	ΥΔΡ 12.15.07	Pipes DN 350 mm / class C30, per ELOT EN 545			
336	ΥΔΡ 12.15.08	Pipes DN 400 mm / class C30, per ELOT EN 545			
337	ΥΔΡ 12.15.09	Pipes DN 450 mm / class C30, per ELOT EN 545			
338	ΥΔΡ 12.15.10	Pipes DN 500 mm / class C30, per ELOT EN 545			
339	ΥΔΡ 12.15.11	Pipes DN 600 mm / class C30, per ELOT EN 545			
340	ΥΔΡ 12.15.12	Pipes DN 700 mm / class C25, per ELOT EN 545			
341	ΥΔΡ 12.15.13	Pipes DN 800 mm / class C25, per ELOT EN 545			
342	ΥΔΡ 12.15.14	Pipes DN 900 mm / class C25, per ELOT EN 545			
343	ΥΔΡ 12.15.15	Pipes DN 1000 mm / class C25, per ELOT EN 545			
344	ΥΔΡ 12.15.16	Pipes DN 1100 mm / class C25, per ELOT EN 545			
345	ΥΔΡ 12.15.17	Pipes DN 1200 mm / class C25, per ELOT EN 545			
		<b><u>Sewage networks made of ductile iron pipes</u></b>			
346	ΥΔΡ 12.16.01	Pipes DN 100 mm, per ELOT EN 598			
347	ΥΔΡ 12.16.02	Pipes DN 125 mm, per ELOT EN 598			
348	ΥΔΡ 12.16.03	Pipes DN 150 mm, per ELOT EN 598			
349	ΥΔΡ 12.16.04	Pipes DN 200 mm, per ELOT EN 598			
350	ΥΔΡ 12.16.05	Pipes DN 250 mm, per ELOT EN 598			
351	ΥΔΡ 12.16.06	Pipes DN 300 mm, per ELOT EN 598			
352	ΥΔΡ 12.16.07	Pipes DN 350 mm, per ELOT EN 598			
353	ΥΔΡ 12.16.08	Pipes DN 400 mm, per ELOT EN 598			
354	ΥΔΡ 12.16.09	Pipes DN 450 mm, per ELOT EN 598			
355	ΥΔΡ 12.16.10	Pipes DN 500 mm, per ELOT EN 598			
356	ΥΔΡ 12.16.11	Pipes DN 600 mm, per ELOT EN 598			
357	ΥΔΡ 12.16.12	Pipes DN 700 mm, per ELOT EN 598			
358	ΥΔΡ 12.16.13	Pipes DN 800 mm, per ELOT EN 598			
359	ΥΔΡ 12.16.14	Pipes DN 900 mm, per ELOT EN 598			
360	ΥΔΡ 12.16.15	Pipes DN 1000 mm, per ELOT EN 598			
		<b><u>Piping special pieces made of spheroid graphite ductile iron</u></b>			

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361	ΥΔΡ 12.17.01	Curves, Tees, stepdown adaptors plugs etc. of all types, sizes and pressure classes, per ELOT EN 545 & ELOT EN 598			
		<b>Fixing items (saddles) of pressure pipes made of spheroid graphite ductile iron per ELOT EN 545, fully installed, with the required bolts</b>			
362	ΥΔΡ 12.17.02.01	Saddle DN 100 mm			
363	ΥΔΡ 12.17.02.02	Saddle DN 125 mm			
364	ΥΔΡ 12.17.02.03	Saddle DN 150 mm			
365	ΥΔΡ 12.17.02.04	Saddle DN 200 mm			
366	ΥΔΡ 12.17.02.05	Saddle DN 250 mm			
367	ΥΔΡ 12.17.02.06	Saddle DN 300 mm			
368	ΥΔΡ 12.17.02.07	Saddle DN 350 mm			
369	ΥΔΡ 12.17.02.08	Saddle DN 400 mm			
370	ΥΔΡ 12.17.02.09	Saddle DN 450 mm			
371	ΥΔΡ 12.17.02.10	Saddle DN 500 mm			
372	ΥΔΡ 12.17.02.11	Saddle DN 600 mm			
373	ΥΔΡ 12.17.02.12	Saddle DN 700 mm			
374	ΥΔΡ 12.17.02.13	Saddle DN 800 mm			
375	ΥΔΡ 12.17.02.14	Saddle DN 900 mm			
376	ΥΔΡ 12.17.02.15	Saddle DN 1000 mm			
377	ΥΔΡ 12.17.02.16	Saddle DN 1100 mm			
378	ΥΔΡ 12.17.02.17	Saddle DN 1200 mm			
		<b><u>Construction of straight sections of the network using steel pipes</u></b>			
379	ΥΔΡ 12.18.01	Using steel pipes, inner protection of coal tar (bituminous) and outer protection of coal tar (bituminous) and a double layer of glass fiber fabric			
380	ΥΔΡ 12.18.02	Using steel pipes, outer insulation of coal tar (bituminous) and polyethylene sheet and inner epoxy resin insulation			
381	ΥΔΡ 12.18.03	Using steel pipes, outer insulation of coal tar (bituminous) and polyethylene sheet and inner insulation made of centrifugally applied concrete (screed)			
382	ΥΔΡ 12.19	Curves, stepdown adaptors and steel pipes joints			
383	ΥΔΡ 12.20	Steel welding flanges			
		<b><u>Design and construction of cathodic protection</u></b>			
384	ΥΔΡ 12.21.01	Soil electrodynamic and resistance measurements (field works and report preparation)			
385	ΥΔΡ 12.21.02	Cathodic protection system design			
386	ΥΔΡ 12.21.03	Cathodic protection system construction			
		<b>FITTINGS FOR PIPING NETWORKS</b>			
		<b><u>Slide gate valves, cast steel</u></b>			
		<i>Flanged, nominal pressure 16 atm</i>			
387	ΥΔΡ 13.03.03.01	Nominal diameter DN 50 mm	<i>ETEΠ 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>

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388	ΥΔΡ 13.03.03.02	Nominal diameter DN 80 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
389	ΥΔΡ 13.03.03.03	Nominal diameter DN 100 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
390	ΥΔΡ 13.03.03.05	Nominal diameter DN 150 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
391	ΥΔΡ 13.03.03.07	Nominal diameter DN 200 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
		<i>Flanged, nominal pressure 25 atm</i>			
392	ΥΔΡ 13.03.04.01	Nominal diameter DN 80 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
393	ΥΔΡ 13.03.04.02	Nominal diameter DN 100 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
394	ΥΔΡ 13.03.04.03	Nominal diameter DN 150 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
395	ΥΔΡ 13.03.04.04	Nominal diameter DN 200 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
396	ΥΔΡ 13.03.04.05	Nominal diameter DN 300 mm	<i>ETEP 08-06-07-02</i>	<u>Cast iron gate valves</u>	<u>PETEP 08-06-07-02</u>
		<b>Flanged butterfly (wafer) valves, cast steel</b>			
		<i>Nominal pressure 16 atm</i>			
397	ΥΔΡ 13.04.04.01	Nominal diameter DN 250 mm, 16 at	ETEP 08-06-07-03	Cast iron butterfly valves	
398	ΥΔΡ 13.04.04.02	Nominal diameter DN 400 mm, 16 at	ETEP 08-06-07-03	Cast iron butterfly valves	
399	ΥΔΡ 13.04.04.03	Nominal diameter DN 500 mm, 16 at	ETEP 08-06-07-03	Cast iron butterfly valves	
400	ΥΔΡ 13.04.04.04	Nominal diameter DN 600 mm, 16 at	ETEP 08-06-07-03	Cast iron butterfly valves	
401	ΥΔΡ 13.04.04.05	Nominal diameter DN 700 mm, 16 at	ETEP 08-06-07-03	Cast iron butterfly valves	
		<i>Nominal pressure 25 atm</i>			
402	ΥΔΡ 13.04.05.01	Nominal diameter DN 200 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
403	ΥΔΡ 13.04.05.02	Nominal diameter DN 250 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
404	ΥΔΡ 13.04.05.03	Nominal diameter DN 500 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
405	ΥΔΡ 13.04.05.04	Nominal diameter DN 600 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
406	ΥΔΡ 13.04.05.05	Nominal diameter DN 700 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
407	ΥΔΡ 13.04.05.06	Nominal diameter DN 800 mm, 25 at	ETEP 08-06-07-03	Cast iron butterfly valves	
		<b>Kinetic dual orifice air-relief valves</b>			
		<i>Nominal pressure 16 atm</i>			
408	ΥΔΡ 13.10.02.01	Nominal diameter DN 50 mm	ETEP 08-06-07-07	Double orifice air relief valves	
409	ΥΔΡ 13.10.02.02	Nominal diameter DN 80 mm	ETEP 08-06-07-07	Double orifice air relief valves	
410	ΥΔΡ 13.10.02.03	Nominal diameter DN 100 mm	ETEP 08-06-07-07	Double orifice air relief valves	
411	ΥΔΡ 13.10.02.04	Nominal diameter DN 150 mm	ETEP 08-06-07-07	Double orifice air relief valves	
412	ΥΔΡ 13.10.02.05	Nominal diameter DN 200 mm	ETEP 08-06-07-07	Double orifice air relief valves	
		<i>Nominal pressure 25 atm</i>			
413	ΥΔΡ 13.10.03.01	Nominal diameter DN 50 mm	ETEP 08-06-07-07	Double orifice air relief valves	
414	ΥΔΡ 13.10.03.02	Nominal diameter DN 80 mm	ETEP 08-06-07-07	Double orifice air relief valves	
415	ΥΔΡ 13.10.03.03	Nominal diameter DN 100 mm	ETEP 08-06-07-07	Double orifice air relief valves	
416	ΥΔΡ 13.10.03.04	Nominal diameter DN 150 mm	ETEP 08-06-07-07	Double orifice air relief valves	
417	ΥΔΡ 13.10.03.05	Nominal diameter DN 200 mm	ETEP 08-06-07-07	Double orifice air relief valves	
		<b>Steel dismantling joints</b>			
		<i>Nominal pressure PN 16 at</i>			
418	ΥΔΡ 13.15.02.01	Nominal diameter DN 50 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
419	ΥΔΡ 13.15.02.03	Nominal diameter DN 80 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
420	ΥΔΡ 13.15.02.06	Nominal diameter DN 150 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	



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421	ΥΔΡ 13.15.02.09	Nominal diameter DN 250 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
422	ΥΔΡ 13.15.02.12	Nominal diameter DN 400 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
423	ΥΔΡ 13.15.02.14	Nominal diameter DN 500 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
424	ΥΔΡ 13.15.02.15	Nominal diameter DN 600 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
425	ΥΔΡ 13.15.02.16	Nominal diameter DN 700 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
		<i>Nominal pressure PN 25 at</i>			
426	ΥΔΡ 13.15.03.01	Nominal diameter DN 80 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
427	ΥΔΡ 13.15.03.02	Nominal diameter DN 150 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
428	ΥΔΡ 13.15.03.03	Nominal diameter DN 200 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
429	ΥΔΡ 13.15.03.04	Nominal diameter DN 250 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
430	ΥΔΡ 13.15.03.05	Nominal diameter DN 500 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
431	ΥΔΡ 13.15.03.06	Nominal diameter DN 600 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
432	ΥΔΡ 13.15.03.07	Nominal diameter DN 700 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
433	ΥΔΡ 13.15.03.08	Nominal diameter DN 800 mm	ETEP 08-06-07-05	Pipeline components dismantling joints	
		<b>WORKS FOR THE REPAIR AND MAINTENANCE OF NETWORKS AND OTHER MINOR STRUCTURES</b>			
434	ΥΔΡ 16.01	Connection of water sump discharge pipe with the rainwater network			
435	ΥΔΡ 16.02	Retaining of overhead networks pole			
436	ΥΔΡ 16.03	Construction of connector to concrete pipes for the connection of properties with the sewage network			
437	ΥΔΡ 16.04	Connection of a property with the sewage network using PVC/41 pipes with nominal diameter D160 mm	<i>ETEP 08-06-02-02</i>	<u>Pressurized u-PVC pipe networks for sewage</u>	<u>PETEP 08-06-02-02</u>
438	ΥΔΡ 16.05	Cleaning of rectangular, trough-shaped, oval and circular pipes from carried material and deposits			
		<b>Repair of the front panel and the cover of type T sump (side opening)</b>			
		<i>Repair of sump with damaged front panel and covering, up to 35 cm wide</i>			
439	ΥΔΡ 16.06.01.01	For the first side opening of the sump			
440	ΥΔΡ 16.06.01.02	For each additional opening			
		<i>Repair of sump with damaged front panel and covering, wider than 35 cm</i>			
441	ΥΔΡ 16.06.02.01	For the first side opening of the sump			
442	ΥΔΡ 16.06.02.02	For each additional opening			
		<b>Fitting the sump grids to the level and gradient of the road pavement</b>			
443	ΥΔΡ 16.07.01	For the first side opening of the sump			
444	ΥΔΡ 16.07.02	For each additional opening			
		<b>Cleaning a sump with side opening without a grid (type T)</b>			
445	ΥΔΡ 16.08.01	Cleaning of single opening sump			
446	ΥΔΡ 16.08.02	Cleaning of sump – each additional opening			

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447	ΥΔΡ 16.09	Reconstruction of pipe sections connecting the sump with the rainwater network	<i>ΕΤΕΡ 08-06-08-03</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u>	<u>PETEP 08-06-08-03</u>
448	ΥΔΡ 16.10	Cutting off water supply from the hydrant			
449	ΥΔΡ 16.11	Installation or replacement of water supply manhole	<i>ΕΤΕΡ 08-06-08-03</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u>	<u>PETEP 08-06-08-03</u>
450	ΥΔΡ 16.12	Repair of water supply manhole	<i>ΕΤΕΡ 08-06-08-03</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u>	<u>PETEP 08-06-08-03</u>
451	ΥΔΡ 16.13	Repair of a leaking water supply connection	<i>ΕΤΕΡ 08-06-08-03</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u>	<u>PETEP 08-06-08-03</u>
		<b>Precast circular manholes for entrance to concrete sewage pipes per ELOT EN 1917, in residential areas</b>			
452	ΥΔΡ 16.14.01	Manhole with interior diameter 1,20 m			
453	ΥΔΡ 16.14.02	Manhole with interior diameter 1,50 m			
454	ΥΔΡ 16.14.03	Manhole with interior diameter 1,80 m			
		<b>Configuration of the connection of a new water supply pipe to an existing out of service cast iron or asbestos-cement pipe with a Tee piece</b>			
455	ΥΔΡ 16.15.01	For existing pipe diameter $\Phi$ 80 or $\Phi$ 100 mm			
456	ΥΔΡ 16.15.02	For existing pipe diameter $\Phi$ 150 mm			
457	ΥΔΡ 16.15.03	For existing pipe diameter $\Phi$ 200 mm			
458	ΥΔΡ 16.15.04	For existing pipe diameter $\Phi$ 250 mm			
		<b>Connection of a new water supply pipe to an existing in service pipe (not PE pipe) using stainless steel manson tool and high pressure drilling</b>			
459	ΥΔΡ 16.16.01	For existing pipe diameter $\Phi$ 80 or $\Phi$ 100 mm			
460	ΥΔΡ 16.16.02	For existing pipe diameter $\Phi$ 150 mm			
461	ΥΔΡ 16.16.03	For existing pipe diameter $\Phi$ 200 mm			
		<b>Connection of the new water supply pipe to an existing in service steel pipe network using the high pressure drilling method</b>			
462	ΥΔΡ 16.17.01	For existing pipe diameter $\Phi$ 80 or $\Phi$ 100 mm			
463	ΥΔΡ 16.17.02	For existing pipe diameter $\Phi$ 150 mm			
464	ΥΔΡ 16.17.03	For existing pipe diameter $\Phi$ 200 mm			
465	ΥΔΡ 16.17.04	For existing pipe diameter $\Phi$ 250 mm			
		<b>Connection of a new water supply pipe for the extension of an existing pipe made of any material, which has been disconnected from the network, using special pieces</b>			
466	ΥΔΡ 16.18.01	For existing pipe diameter $\Phi$ 80 or $\Phi$ 100 mm			
467	ΥΔΡ 16.18.02	For existing pipe diameter $\Phi$ 150 mm			
468	ΥΔΡ 16.18.03	For existing pipe diameter $\Phi$ 200 mm			
469	ΥΔΡ 16.18.04	For existing pipe diameter $\Phi$ 250 mm			

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		<b>Disconnection of the existing water supply pipe from the network</b>			
470	ΥΔΡ 16.20.01	For existing pipe diameter $\Phi$ 80 mm			
471	ΥΔΡ 16.20.02	For existing pipe diameter $\Phi$ 100 mm			
472	ΥΔΡ 16.20.03	For existing pipe diameter $\Phi$ 150 mm			
473	ΥΔΡ 16.20.04	For existing pipe diameter $\Phi$ 200 mm			
		<b>Installation of multiple distributor <math>\Phi</math>63 on existing pipe to install water supplies</b>			
474	ΥΔΡ 16.21.01	For a distance of the water mains access from the closest site of the manhole with the water meters $\leq$ 4,00 m	<i>ETEP 08-06-08-03</i> <i>ETEP 08-06-08-04</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u> <u>Retrofitting of kerbs and gutters along constructed underground utility</u>	<u>PETEP 08-06-08-03</u> <u>PETEP 08-06-08-04</u>
475	ΥΔΡ 16.21.02	For a distance of the water mains access from the closest site of the manhole with the water meters $>$ 4,00 m	<i>ETEP 08-06-08-03</i> <i>ETEP 08-06-08-04</i>	<u>Retrofitting of concrete paving slabs along constructed underground utility</u> <u>Retrofitting of kerbs and gutters along constructed underground utility</u>	<u>PETEP 08-06-08-03</u> <u>PETEP 08-06-08-04</u>
476	ΥΔΡ 16.22	Lowering or raising an existing water supply with copper pipes			
477	ΥΔΡ 16.27	Locating and adjusting the elevation of the valve manhole as to the road pavement			
478	ΥΔΡ 16.28	Cleaning the valve manhole			
		<b>Cleaning type A sump with grid</b>			
479	ΥΔΡ 16.30.01	Cleaning of type A sump (with grid and side opening) with a single opening			
480	ΥΔΡ 16.30.02	Cleaning of type A sump (with grid and side opening) for each additional opening			
481	ΥΔΡ 16.35	Filling the interior of the sump with repair mortar of cement base			
		<b>Cleaning of sewage pipes using declogging machine</b>			
482	ΥΔΡ 16.40.01	Cleaning of sewage pipe DN 200-300 mm			
483	ΥΔΡ 16.40.02	Cleaning of sewage pipe DN 315-400 mm			
484	ΥΔΡ 16.40.03	Cleaning of sewage pipe DN 450-600 mm			
485	ΥΔΡ 16.45	Digital video recording inside sewage pipes			
		<b>Point repair of interior pipe walls using fiber glass, not including preparation works</b>			
486	ΥΔΡ 16.50.01	Repair of pipe DN 200-250, along a length of up to 100 cm, with triple layer of fiber glass fiber 1100 gr/cm <sup>2</sup> , not including preparation works			
487	ΥΔΡ 16.50.02	Repair of pipe DN 200-250, along a length of up to 100 cm, with four layers of fiber glass fiber, not including preparation works			
488	ΥΔΡ 16.50.03	Repair of pipe DN 200-250, along a length of 101 up to 180 cm, with triple layer of fiber glass fiber 1100 gr/cm <sup>2</sup> , not including preparation works			

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489	ΥΔΡ 16.50.04	Repair of pipe DN 200-250, along a length of 101 up to 180 cm, with four layers of fiber glass fiber, not including preparation works			
490	ΥΔΡ 16.50.05	Repair of pipe DN 315-400, along a length of up to 100 cm, with triple layer of fiber glass fiber 1100 gr/cm2, not including preparation works			
491	ΥΔΡ 16.50.06	Repair of pipe DN 315-400, along a length of up to 100 cm, with four layers of fiber glass fiber, not including preparation works			
492	ΥΔΡ 16.50.07	Repair of pipe DN 315-400, along a length of 101 up to 180 cm, with triple layer of fiber glass fiber 1100 gr/cm2, not including preparation works			
493	ΥΔΡ 16.50.08	Repair of pipe DN 315-400, along a length of 101 up to 180 cm, with four layers of fiber glass fiber, not including preparation works			
		<b>Interior pipe walls repair by gluing a fiber glass based fabric, including all preparation works</b>			
494	ΥΔΡ 16.51.01	Repair of pipe DN 200-250, along a length of up to 100 cm, with fiber glass fiber 1100 gr/cm2, including all preparation works			
495	ΥΔΡ 16.51.02	Repair of pipe DN 200-250, along a length of up to 100 cm, with fiber glass fiber of high mechanical strength, including all preparation works			
496	ΥΔΡ 16.51.03	Repair of pipe DN 200-250, along a length of 101 up to 180 cm, with fiber glass fiber 1100 gr/cm2, including all preparation works			
497	ΥΔΡ 16.51.04	Repair of pipe DN 200-250, along a length of 101 up to 180 cm, with fiber glass fiber of high mechanical strength, including all preparation works			
498	ΥΔΡ 16.51.05	Repair of pipe DN 315-400, along a length of up to 100 cm, with fiber glass fiber 1100 gr/cm2, including all preparation works			
499	ΥΔΡ 16.51.06	Repair of pipe DN 315-400, along a length of up to 100 cm, with fiber glass fiber of high mechanical strength, including all preparation works			
500	ΥΔΡ 16.51.07	Repair of pipe DN 315-400, along a length of 101 up to 180 cm, with fiber glass fiber 1100 gr/cm2, including all preparation works			
501	ΥΔΡ 16.51.08	Repair of pipe DN 315-400, along a length of 100 up to 180 cm, with fiber glass fiber of high mechanical strength, including all preparation works			
		<b>Repair of flow connections to the sewage network, via intervention from inside the pipe, without a trench</b>			
502	ΥΔΡ 16.52.01	Repair of side connections up to Φ160 to Φ200-600 ducts, not including preparation works			
503	ΥΔΡ 16.52.02	Repair of side connections up to Φ160 to Φ200-600 ducts, including all preparation works			
		<b>Sewage pipe elastic coupler stainless steel shield</b>			
504	ΥΔΡ 16.53.01	For pipes DN 200-250 mm			

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505	ΥΔΡ 16.53.02	For pipes DN 315 mm			
506	ΥΔΡ 16.53.03	For pipes DN 400 mm			

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<b>GROUP D: ELECTROMECHANICAL WORKS</b>					
<b>STREET LIGHTING INSTALLATIONS</b>					
<b><u>Steel Street Lighting Columns</u></b>					
507	HAM 60.10.01.01	Steel Street Lighting Column 6.00 m high	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
508	HAM 60.10.01.02	Steel Street Lighting Column 9.00 m high	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
509	HAM 60.10.01.03	Steel Street Lighting Column 10.00 m high	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
510	HAM 60.10.01.04	Steel Street Lighting Column 12,00 m	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
511	HAM 60.10.01.05	Steel Street Lighting Column 15,00 m	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
<b><u>Street lighting cement columns</u></b>					
512	HAM 60.10.02.01	Cement column, 5.00m high, external base diameter 185 mm, weighing 240 kg, on a base of 1.00x1.00m and 1.50m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
513	HAM 60.10.02.02	Cement column, 6.00m high, external base diameter 200 mm, weighing 280 kg, on a base of 1.00x1.00m and 1.50m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
514	HAM 60.10.02.03	Cement column, 7.00m high, external base diameter 215 mm, weighing 320 kg, on a base of 1.00x1.00m and 1.50m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
515	HAM 60.10.02.04	Cement column, 9.00m high, external base diameter 245 mm, weighing 485 kg, on a base of 1.00x1.00m and 1.50m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
516	HAM 60.10.02.05	Cement column, 10.00m high, external base diameter 260 mm, weighing 600 kg, on a base of 1.00x1.00m and 1.50m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
517	HAM 60.10.02.06	Cement column, 11.00m high, external base diameter 275 mm, weighing 750 kg, on a base of 1.50x1.50m and 2.00m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
518	HAM 60.10.02.07	Cement column, 12.00m high, external base diameter 290 mm, weighing 850 kg, on a base of 1.50x1.50m and 2.00m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
519	HAM 60.10.02.08	Cement column, 13.00m high, external base diameter 305 mm, weighing 1000 kg, on a base of 1.50x1.50m and 2.00m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
520	HAM 60.10.02.09	Cement column, 14.00m high, external base diameter 320 mm, weighing 1100 kg, on a base of 1.50x1.50m and 2.00m deep	ETEP 05-07-01-00 ETEP 05-07-02-00	Infrastructure for road lighting Road lighting columns and fixtures	
<b>Arm luminaires for street lighting with NaLP lamps semi cut-off</b>					
521	HAM 60.10.10.01	Wattage 180 W	ETEP 05-07-02-00	Road lighting columns and fixtures	
<b>Arm lighting fixtures for street lighting with NaHP lamps semi cut-off</b>					
522	HAM 60.10.20.01	Wattage 70 W	ETEP 05-07-02-00	Road lighting columns and fixtures	
523	HAM 60.10.20.02	Wattage 100 W	ETEP 05-07-02-00	Road lighting columns and fixtures	
524	HAM 60.10.20.03	Wattage 150 W	ETEP 05-07-02-00	Road lighting columns and fixtures	

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525	HAM 60.10.20.04	Wattage 250 W	ETEP 05-07-02-00	Road lighting columns and fixtures	
526	HAM 60.10.20.05	Wattage 400 W	ETEP 05-07-02-00	Road lighting columns and fixtures	
		<b>Street lighting pillars</b>			
527	HAM 60.10.80.01	Four-output street lighting pillar	ETEP 05-07-01-00	Infrastructure for road lighting	
528	HAM 60.10.80.02	Eight-output street lighting pillar	ETEP 05-07-01-00	Infrastructure for road lighting	
529	HAM 60.10.80.03	Twenty-output street lighting pillar	ETEP 05-07-01-00	Infrastructure for road lighting	
530	HAM 60.10.80.04	Twenty five-output street lighting pillar	ETEP 05-07-01-00	Infrastructure for road lighting	
531	HAM 60.10.80.05	Thirty-output street lighting pillar	ETEP 05-07-01-00	Infrastructure for road lighting	
		<b>Underground cables pulling and connecting manholes</b>			
532	HAM 60.10.85.01	Cable pulling manhole 40x40 cm			
533	HAM 60.10.85.02	Cable pulling manhole 60x40 cm			
534	HAM 60.10.85.03	Cable connecting manhole 120x80 cm			
		<b>TRAFFIC LIGHTS</b>			
		<b>Installation of local traffic light controller</b>			
535	HAM 60.20.10.01	Installation of controller - Medium capacity pack - Up to sixteen (16) traffic light groups provided by the Service			
536	HAM 60.20.10.02	Installation of controller - Medium capacity pack - Up to thirty two (32) traffic light groups provided by the Service			
537	HAM 60.20.10.03	Supply and installation of controller - Medium capacity pack – Equipped with up to four (4) groups of traffic lights, expandable for use with corresponding structural output units, cabling etc., auxiliary equipment, up to sixteen (16) groups of traffic lights			
538	HAM 60.20.10.04	Supply and installation of controller - Large capacity pack – Equipped with up to eight (8) groups of traffic lights, expandable for use with corresponding structural output units, cabling etc., auxiliary equipment, up to thirty two (32) groups of traffic lights			
539	HAM 60.20.11	Supply and installation of an output unit for four (4) groups of traffic lights for extending the capacity of the controller			
540	HAM 60.20.12	Inductive loop vehicle detector unit, capacity: four-channel detection			
		<b>LED traffic lights</b>			
541	HAM 60.20.20.01	Small height traffic light for vehicles, three (3) luminous fields, diameter 200 mm, colored signals (red-amber-green) or (red-amber-amber)			
542	HAM 60.20.20.02	Small height traffic light for pedestrians, two (2) luminous fields, Φ 200 mm, colored signals (red-green)			
543	HAM 60.20.20.03	Small height warning traffic light, two (2) luminous fields, Φ 200 mm, colored signals (amber-amber)			
544	HAM 60.20.20.04	Mounted traffic light for vehicles, three (3) luminous fields, Φ 300 mm, colored signals (red-amber-green) or (red-amber-amber)			
545	HAM 60.20.20.05	Mounted warning traffic light, two (2) luminous fields, Φ 300 mm, colored signals (amber-amber)			
		<b>Traffic lights cabling</b>			

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546	HAM 60.20.30.01	Supply, installation and electrical connection of a cable E1VV-R (NYY), stranded, cross-section 21X1.5 mm <sup>2</sup>			
547	HAM 60.20.30.02	Supply, installation and electrical connection of a cable E1VV-R (NYY), stranded, cross-section 21X1,5 mm <sup>2</sup>			
548	HAM 60.20.30.03	Supply, installation and electrical connection of a cable E1VV-R (NYY), stranded, cross-section 5X1,5 mm <sup>2</sup>			
549	HAM 60.20.30.04	Supply, installation and electrical connection of a cable E1VV-R (NYY), stranded, cross-section 5X1,5 mm <sup>2</sup>			
550	HAM 60.20.30.05	Supply, installation and electrical connection of a cable A-2Y (L)2Y (PET), 2 to 4 pairs, cross-section of each conduit 0.6 mm <sup>2</sup> mm <sup>2</sup>			
551	HAM 60.20.30.06	Supply, installation and electrical connection of a cable A-2Y(L)2Y (PET), 6 to 10 pairs, cross-section of each conduit 0.6 mm <sup>2</sup>			
552	HAM 60.20.35	Detector loop structure in the asphalt pavement			
		<b>Infrastructure works for traffic lights</b>			
553	HAM 60.20.40.01	Steel, galvanized cable conduits for traffic lights Nominal diameter DN 50 mm (thread: 2"), 3.2 mm thick			
554	HAM 60.20.40.02	Steel, galvanized cable conduits for traffic lights Nominal diameter DN 63 mm, thread: 2½", 3.6 mm thick			
555	HAM 60.20.40.11	HDPE Conduits for the protection of traffic lights underground cables Diameter DN 63 mm			
556	HAM 60.20.40.12	HDPE Conduits for the protection of traffic lights underground cables Diameter DN DN 90 mm			
557	HAM 60.20.40.21	Supply and installation of copper plate earth electrode			
558	HAM 60.20.40.31	Traffic lights manhole structure, 0.40 x 0.40 cm			
559	HAM 60.20.40.41	Supply and installation of a cross-connection cabinet housing the PPC power consumption meter, type IA			
560	HAM 60.20.40.51	Supply, installation and connection of a switchboard feeding the traffic lighting structure within a cabinet, type IA			
		<b>Traffic light signal columns</b>			
561	HAM 60.20.50.01	Installation or dismantling of simple traffic light signal columns			
562	HAM 60.20.50.02	Installation or dismantling of a traffic light signal column with arm			
563	HAM 60.20.50.11	Supply of simple traffic light signal column, galvanized			
564	HAM 60.20.50.12	Supply of traffic light signal columns, galvanized			
565	HAM 60.20.50.20	Drilling of holes to an installed signaling column			
566	HAM 60.20.50.30	Construction of traffic light cable routing underneath the road pavement			
567	HAM 60.20.50.40	Construction of traffic light cable routing underneath the sidewalk			
		<b>Traffic signaling accessories</b>			



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568	HAM 60.20.75.01	Supply and installation of a button for pedestrians			
		<b>Movable worksite signaling rigs</b>			
569	HAM 60.20.90.01	Towed signaling rig for worksites of roadworks, dimensions 2.55 x 1.70 m			
570	HAM 60.20.90.02	Towed signaling rig for worksites of roadworks, dimensions 3.70 x 2.20 m			
571	HAM 60.20.90.10	Movable traffic signaling unit			
		<b>MAINTENANCE OF LIGHTING INSTALLATIONS</b>			
		<b>Removal of steel lighting poles</b>			
572	HAM 62.10.01.01	Removal and transportation of a pole, up to 14.00m high			
573	HAM 62.10.01.02	Removal and transportation of a pole, from 14.01 m up to 20.00 m high			
		<b>De-installation and removal of concrete lighting poles</b>			
574	HAM 62.10.02.01	Removal and transportation of a pole up to 12.00 m high			
575	HAM 62.10.02.02	Removal and transportation of a pole from 14 m to 20 m high			
		<b>Removal of lighting fixtures</b>			
576	HAM 62.10.03.01	Removal of a lighting fixture from the arm or the top of an installed pole			
		<b>Removal of arms</b>			
577	HAM 62.10.04.01	Removal of the arm from an installed pole with or without lighting fixtures			
578	HAM 62.10.04.02	Removal of the arm from a pole laying on the ground with or without lighting fixtures			
		<b>Cleaning of Na vapor lighting fixtures</b>			
579	HAM 62.10.10.01	Cleaning of lighting fixtures installed at a height of up to 8.0m from the work floor			
580	HAM 62.10.10.02	Cleaning of lighting fixtures installed at a height above 8.0m from the work floor			
		<b>Re-painting the lighting steel poles on site the Project</b>			
581	HAM 62.10.15.01	Re-painting of a pole up to 12 m high, installed			
582	HAM 62.10.15.02	Re-painting of a pole from 14 m to 20 m high, installed			
583	HAM 62.10.15.11	Re-painting of a pole up to 12 m high, laying on the ground and returning it to the upright position			
584	HAM 62.10.15.12	Re-painting of a pole from 14m up to 20m high, laying on the ground and returning it to the upright position			
		<b>Replacement of high pressure Na vapour bulbs</b>			
585	HAM 62.10.26.01	Wattage 70W			
586	HAM 62.10.26.02	Wattage 150W			
587	HAM 62.10.26.03	Wattage 250W			
588	HAM 62.10.26.04	Wattage 400W			
		<b>Asymmetrical beam street floodlights for high pressure Na vapour bulbs</b>			

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589	HΛM 62.10.30.01	Wattage 250W / 400 W <b>Replacement of instruments on lighting pillar</b>			
590	HΛM 62.10.35.01	Replacement of fuse links at a lighting pillar			
591	HΛM 62.10.35.02	Fuse replacement in a terminal box on a lighting pillar			
592	HΛM 62.10.35.03	Replacement of rail-mounted load breakers			
593	HΛM 62.10.35.04	Replacement of rail-mounted automatic fuses			
594	HΛM 62.10.35.05	Replacement of rail type indication bulb			
595	HΛM 62.10.35.06	Replacement of cable gland			
596	HΛM 62.10.35.07	Replacement of rail on electrical switchboard			
597	HΛM 62.10.35.08	Replacement of load relays			
598	HΛM 62.10.35.09	Replacement of light sensor			
599	HΛM 62.10.36	Re-painting of lighting pillars			
600	HΛM 62.10.37	Repair of the pillar's main body and hatch and/or hatch replacement <b>Type H05VV-U, -R (NYM) cables, nominal voltage 300/500V with PVC insulating sheath</b>			
601	HΛM 62.10.40.01	cross section 3 x 1,5 mm <sup>2</sup>			
602	HΛM 62.10.40.02	cross section 3 x 2,5 mm <sup>2</sup>			
603	HΛM 62.10.40.03	cross section 4 x 1,5 mm <sup>2</sup> <b>Type E1VV-U, -R, -S (NYY) cables, nominal voltage 600/1000 V, with PVC insulating sheath</b>			
604	HΛM 62.10.41.01	cross section 3 x 1,5 mm <sup>2</sup>			
605	HΛM 62.10.41.02	cross section 3 x 2,5 mm <sup>2</sup>			
606	HΛM 62.10.41.03	cross section 4 x 1,5 mm <sup>2</sup>			
607	HΛM 62.10.41.04	cross section 4 x 10 mm <sup>2</sup> <b>Bare multi-core copper conductors</b>			
608	HΛM 62.10.48.01	cross section 6 mm <sup>2</sup>			
609	HΛM 62.10.48.02	cross section 10 mm <sup>2</sup>			
610	HΛM 62.10.48.03	cross section 25 mm <sup>2</sup> <b>TRAFFIC SIGNALLING MAINTENANCE</b>			
611	HΛM 62.20.10	Replacement of outer case of cross connection type IA cabinet			
612	HΛM 62.20.20	Repair of a bended simple lighting pole			
613	HΛM 62.20.30	Supply and installation of type E ή J1VV-R or U 21x1,5 mm <sup>2</sup> cable connector			
614	HΛM 62.20.40	Supply and installation of remote control cable connector			
615	HΛM 62.20.50	Supply and installation or replacement of the base of the signaling controller			