

Legend/Legenda:

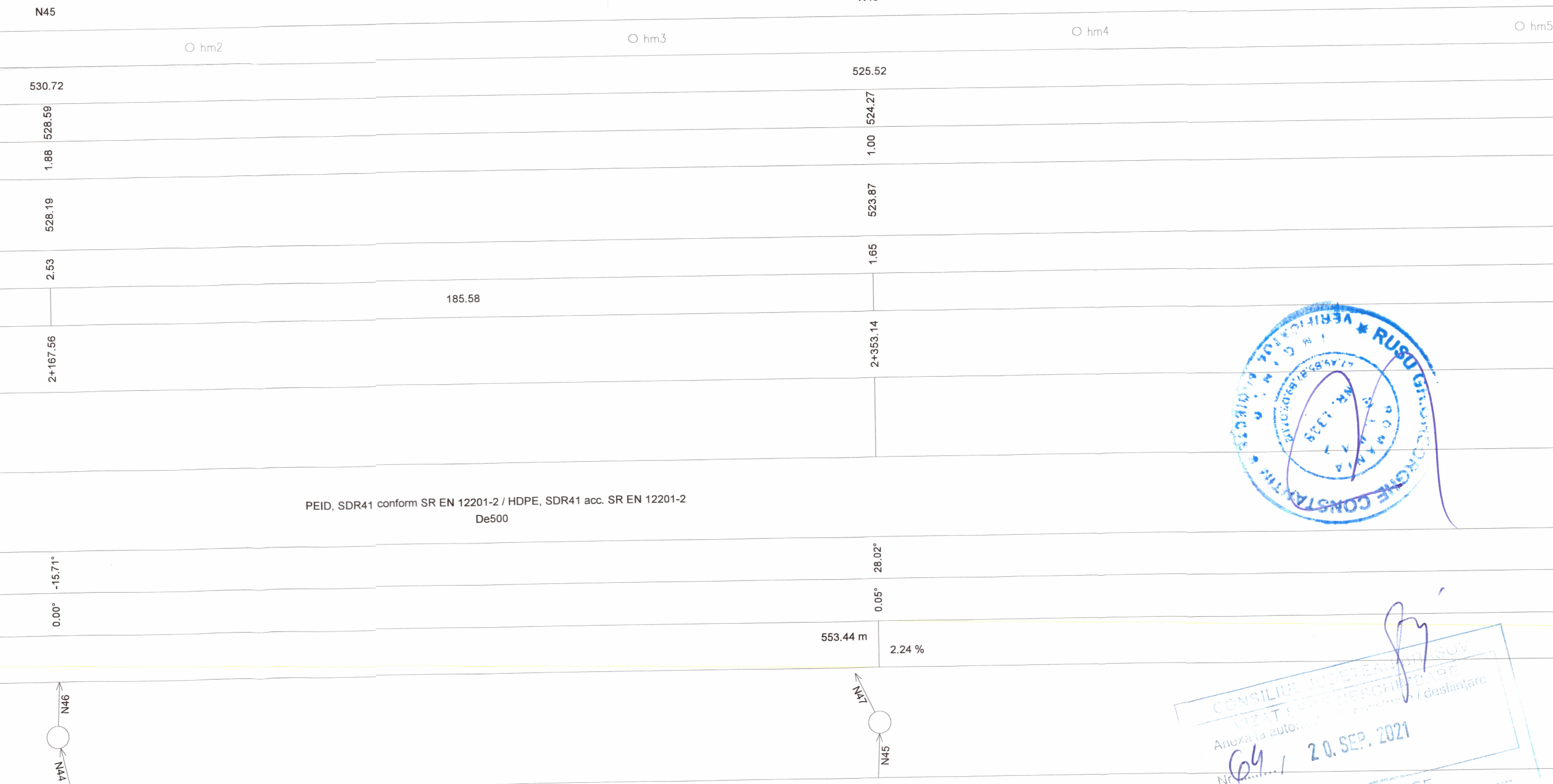
	Ground line / Linia terenului	537.00
	Reference pipe / Conducta de referinta	536.00
	Bottom trench line / Linie radier sant	535.00
	Underground water line / Linia apei subterane	534.00
	Undercrossing in open trench without protecting case / Subtraversare in sant deschis fara carcasa de protectie	533.00
	Undercrossing with protecting tube / Subtraversare cu carcasa de protectie	532.00
	Overcrossing in open trench without protecting case / Supratraversare in canal deschis fara carcasa de protectie	531.00
	Masiv ancoraj de presiune / Pressure concrete block	530.00
	Masiv ancoraj de panta / Slope concrete block	529.00
	Masiv ancoraj de directie / Direction concrete block	528.00
	Foraj vertical / Vertical drill	527.00
	Camin de rupere de panta / Slope pit	526.00
	Camin de aerisire / Vent pit	525.00
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LONGITUDINAL PROFILE/  
PROFIL LONGITUDINAL  
HORIZONTAL SCALE/ SCARA ORIZONTALA 1:1000  
VERTICAL SCALE/ SCARA VERTICALA 1:100

C.R.=514.00  
R.L.=514.00

PIKET / PICHET	
KM HM	
EXISTING HEIGHTS / INALTIMI EXISTENTE [m.a.s.l.]	
PIPE AXIS / COTA IN AXUL CONDUCTEI [m.a.s.l.]	
INVERT DEPTH / ACOPERIREA CONDUCTEI [m]	
TRENCH BOTTOM ELEVATION / COTA TRANSEULUI [m.a.s.l.]	
TRENCH DEPTH / ADANCIMEA TRANSEULUI [m]	
PARTIAL DISTANCES / DISTANTE PARTIALE [m]	
CUMULATED DISTANCE / DISTANTA CUMULATA [km]	
EXISTENTS GRADIENT IN LENGTH / PANTA IN LUNGIME [%]	
WALL THK. [mm] PIPE MATERIAL / GROSIME DE PERETE [mm] SI MATERIALUL CONDUCTEI	
DIRECTION CHANGES / SCHIMBARI DE DIRECTIE (HORIZONTAL) [°]	
DIRECTION CHANGES / SCHIMBARI DE DIRECTIE (VERTICAL) [°]	
PIPE SLOPE / PANTA CONDUCTEI [%]	
NODE SCHEME / SCHEMA NODULUI	
WORKING STRIP / CULOAR DE LUCRU	
PIPE COATING / ACOPERIREA CONDUCTEI	
PIPE PROTECTION; CIVIL/MECHANICAL PROTECTIA CONDUCTEI; CIVIL/MECANIC	
CROSSING / TRAVERSARI	
PIPELINE TESTS / TESTE PENTRU CONDUCTA	PRESSURE / PRESIUNE
	WELDINGS / SUDURI

- NOTE:
- The constructor shall not start the work without construction authorization. / Construcorul nu trebuie sa inceapa lucrarea fara autorizatia de construire.
  - The constructor shall start the work on areas with existing utilities only with the written acceptance of the utilities owners and in the presence of the existing utility owner representative. The constructor has the obligation to inform the existing utility owner of the intention to start the work in the area. In these areas the excavation shall be executed manually or mechanized for the first part of the excavation, only with the existing utility owner representative acceptance. / Construcorul va demara lucrarea pe zone cu conducte de utilitati existente numai cu acceptarea scrisa a proprietarilor conductelor si in prezenta reprezentantului proprietarului utilitatilor existente. Construcorul are obligatia de a informa proprietarul de despre intentia de a incepe lucrarile in zona. In aceste zone, sapaturile vor fi executate manual sau mecanizat pentru prima parte a excavarii, numai cu acceptarea reprezentantului proprietarului utilitatilor.
  - The existing utilities shall be protected (covered) and supported accordingly. / Conductele de utilitati existente trebuie protejate (acoperite) si suportate corespunzator.
  - A minimum vertical distance of 0.3 m shall be preserved in between the pipeline and other existing installations when crossing. If drilling or ramming at least 1 m shall be preserved. / Distana verticala minima de 0.3 m trebuie pastrata intre conducta si celelalte instalatii existente unde sunt traversari.
  - Pipelines usually undercross the existing utilities. \ Conductele, de obicei, subtraverseaza conductele de utilitati existente.
  - A minimum 5 m horizontal distance should be preserved from the existing power main poles according the project conditions. The distance may be reduced up to 2 m only with the utility owner acceptance and in special conditions specified by the designer. / Trebuie sa fie pastrata o distana orizontala de 5 m fata de stalpii de inalta tensiune in concordanta cu conditiile proiectului. Distana poate fi redusa pana la 2 m numai cu acceptul proprietarului utilitatilor si in conditii speciale specificate de proiectant.
  - The constructor shall use for construction only projects and documentations verified by certified projects verifiers according the law. / Construcorul trebuie sa utilizeze pentru construire doar proiectele si documentatia verificata de verificatori certificati de proiect.
  - Prior the pressure test the pipeline shall be internally cleaned. / Inaintea testului de presiune conducta trebuie curatata intern.
  - The strengthen test should be done after backfilling of the trench. The joints may be left open. / Testul de rezistenta trebuie sa fie efectuat dupa umplerea santului.
  - The starting point of TE-IN pipeline coresspond to Picket 1 and arrival points correspond to picket 194. / Punctul de plecare al TE-IN al conductei existente corespunzatoare Pichetului 1 si punctul de sosire Pichetul 194.
  - The trench shall be natural sloped not supported only up to 1.5 m depth. Trenches deeper than 1.5 m shall be supported according construction procedures and design specifications in accordance to the geotechnical study. / Santul trebuie sa aibe o panta naturala nu numai mare de 1.5 m adancime. Santurile mai adanci de 1.5 m vor fi sustinute in conformitate cu procedurile construcorului si specificatiile proiectantului.
  - Location of existing line shall be defined in the construction phase. / Locatia liniilor existente trebuie sa fie definite in faza de construire.
  - Minimum bending radius shall be 20 DN. / Raza minima de curbura trebuie sa fie de 20 DN.



DN800 (813x10.0mm); L=20.0m, OL52.2, protectie interna si externa anticoroziva: vopsea epoxidica; 100 microni fiecare. Imbinarea conductelor se va face prin sudura cap la cap.  
Caracteristici tehnice: conform SR 6898-1/1995. Conductele vor fi insotite de documentul de certificare a calitatii conform EN 10204/DIN 50049.  
DN800 (813x10.0mm); L=20.0m, OL52.2, corrosion protection (internal and external): epoxy paint, 100 microns each. The pipes will be connected by butt weld joint.  
Technical characteristics: acc. SR 6898-1/1995. For the pipes will be delivered the quality certified document acc. EN 10204/DIN 50049.

Test de presiune (1hr.) la 4.0 Bar conform STAS 3051-91 si document 26P15-ME-REP-004-02.  
Pressure test (1hr.) at 4.0 Bar acc. STAS 3051-91 and document 26P15-ME-REP-004-02.  
Test de etansitate (24hr.) la 4.0 Bar conform STAS 3051-91 si document 26P15-ME-REP-004-02. / Leakage test (24hr.) at 4.0 Bar acc. STAS 3051-91 and document 26P15-ME-REP-004-02.  
Inbinarile trebuie sa fie 100% verificate conform ISCIR si specificatiile de la producator. / The joints must be 100% verified acc. ISCIR and supplier technical specifications.



0	08.06.2021	Emis pentru obtinere autorizatie de construire / Issued for building permit obtain	APROBAT / Approved
REV.	DATA/Date	DESCRIERE / Description	
		Proiectant general / General designer: Purolite S.R.L.	Proiect Nr./Project No: 26P15
		WABAG Water Services SRL J40/2698/2011 CUI R023303569	COO DOCUMENT / Document code: PL-DWG-071
		SEMNATURA	REV. 00
		DATA/Date: 08.06.2021	FAZA PROIECT / Design Phase: DTAC
		DESEINAT/Drafted: Ing. Valentin GEAMBASU	TITLU PLANSĂ / Drawing name: WASTE WATER TREATMENT PLANT PUROLITE FACTORY AND DISCHARGE IN OUT PRIOR CONSTRUCTION STAGE DEEPENING ARE LAYOUT INDUSTRIAL WASTE WATER TREATMENT PLANT PUROLITE
		VERIFICAT/Checked: Dr. Ms. Ing. Razvan Varvorea	PLANSĂ / Drawing: 4/16
		SCARA/Scale: 1:100	Longitudinal profile effluent discharge pipeline