

LONGITUDINAL PROFILE/
PROFIL LONGITUDINAL
HORIZONTAL SCALE/ SCARA ORIZONTALA 1:1000
VERTICAL SCALE/ SCARA VERTICALA 1:100

C.R.=425.00
R.L.=425.00

PIKET / PICHET		N134		N135		N136		N137		N138		N139		N140	
KM HM		○ hm2		○ hm3		○ hm4		○ hm5		○ hm6		○ hm7		○ hm8	
EXISTING HEIGHTS / INALTIMI EXISTENTE [m.a.s.l.]		441.54		441.41		440.70		438.78		437.77		436.62		436.47	
PIPE AXIS / COTA IN AXUL CONDUCTEI [m.a.s.l.]		1.62 439.67		1.56 439.60		1.24 439.21		1.27 437.26		1.14 435.38		1.03 435.34		1.00 435.22	
INVERT DEPTH / ACOPERIREA CONDUCTEI [m]		439.27		439.20		438.81		436.86		435.88		434.84		434.82	
TRENCH BOTTOM ELEVATION / COTA TRANSEULUI [m.a.s.l.]		439.27		439.20		438.81		436.86		435.88		434.84		434.82	
TRENCH DEPTH / ADANCIMEA TRANSEULUI [m]		2.27		2.21		1.89		1.92		1.79		1.68		1.65	
PARTIAL DISTANCES / DISTANTE PARTIALE [m]		112.24		33.96		65.15		185.22		83.62		161.17		18.53	
CUMULATED DISTANCE / DISTANTA CUMULATA [km]		7+287.89		7+321.86		7+387.00		7+572.22		7+655.84		7+817.00		7+835.53	
EXISTENTS GRADIENT IN LENGTH / PANTA IN LUNGIME [%]				0.59		1.05						0.65			
WALL THK. [mm] PIPE MATERIAL / GROSIME DE PERETE [mm] SI MATERIALUL CONDUCTEI		PEID, SDR41 conform SR EN 12201-2 / HDPE, SDR41 acc. SR EN 12201-2 De500													
DIRECTION CHANGES / SCHIMBARI DE DIRECTIE (ORIZONTAL) [°]		0.00° -0.79°		-0.22° -6.04°		-0.27° -3.37°		-0.00° -2.44°		0.23° -8.92°		-0.00° -5.87°		-1.95° 6.09°	
DIRECTION CHANGES / SCHIMBARI DE DIRECTIE (VERTICAL) [°]															
PIPE SLOPE / PANTA CONDUCTEI [%]															
NODE SCHEME / SCHEMA NODULUI															
WORKING STRIP / CULOAR DE LUCRU		1.00 m													
PIPE COATING / ACOPERIREA CONDUCTEI		N/A													
PIPE PROTECTION; CIVIL/MECHANICAL PROTECTIA CONDUCTEI; CIVIL/MECANIC		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. Conducele 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.													
CROSSING / TRAVERSARI															
PIPELINE TESTS / TESTE PENTRU CONDUCTA		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.													
WELDINGS / SUDURI		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. Inbinariile trebuie sa fie 100% verificate conform ISCIR si specificatiile de la producator. / The joints must be 100% verified acc. ISCIR and supplier technical specifications.													

Legend/Legenda:

- Ground line / Linia terenului
- Reference pipe / Conducta de referinta
- Bottom trench line / Linie radier sant
- Underground water line / Linia apei subterane
- Undercrossing in open trench without protecting case / Subtraversare in sant deschis fara carcasa de protectie
- Undercrossing with protecting tube / Subtraversare cu carcasa de protectie
- Overcrossing in open trench without protecting case / Supratraversare in canal deschis fara carcasa de protectie.
- MP

Masiv ancoraj de presiune / Pressure concrete block
- MA_p

Masiv ancoraj de panta / Slope concrete block
- MA_d

Masiv ancoraj de directie / Direction concrete block
- F

Foraj vertical / Vertical drill

CR_p

Camin de rupere de panta / Slope pit

CA

Camin de aerisire / Vent pit

NOTE:

- The constructor shall not start the work without construction authorization. / Constructorul nu trebuie sa inceapa lucrarea fara autorizatie 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. / Constructorul va demara lucrarile pe zone cu conductele de utilitati existente numai cu acceptarea scrisa a proprietarului conductelor si in prezenta reprezentantului proprietarului utilitatilor existent. Constructorul 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. / Conducele 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. / Distanța verticală minimă de 0,3 m trebuie păstrată între conducta și celelalte instalații existente unde sunt traversări.
- Pipelines usually undercross the existing utilities. / Conducele, de obicei, subtraversează conductele de utilități 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 distanta orizontala de 5 m fata de stalpii de inalta tensiune in concordanta cu conditiile proiectului. Distanța poate fi redusă până 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. / Constructorul trebuie sa utilizeze pentru construire doar proiectele si documentatia verificata de verificatorii 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 TIE-IN pipeline corespond to Picket 1 and arrival points correspond to picket 134. / Punctul de plecare al TIE-IN al conductei existente corespundatoare Pichetului 1 si punctul de sosire Pichetul 134.
- 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 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 constructiunii 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.

REV.	DATA/Date	DESCRIERE / Description	APROBAT / Approved	
8	14.09.2020	Schimbare traseu conducta intre pichetii N119-N170		
7	31.08.2020	Schimbare traseu conducta intre pichetii N105-N134		
6	26.08.2020	Relocare camin de rupere de panta CRp1		
5	24.08.2020	Schimbare traseu conducta intre pichetii N111-N114 si N118-N120		
4	15.07.2020	Schimbare adancime camin rupere de panta CRp2		
3	22.05.2020	APROBAT PENTRU EXECUTIE / APPROVED FOR CONSTRUCTION		
2	08.05.2020	Schimbare traseu conducta De500 / De500 pipe routing change		
1	20.03.2020	Emis pentru aprobare / Issued for approval		
			APROBAT / Approved	
			PROJECT Nr./Proiect No.	COO DOCUMENT / Document code
			REV.	URSA / Language
			26P15	26P15-PL-DWG-071-08
			08	B
			TITLU PROIECT / Project title	FAZA PROIECT / Design Phase
			Format	Format
			PT+DE	A1
			PLANSĂ NR./ Drawing No.	12/16
			Longitudinal profile effluent discharge pipeline	