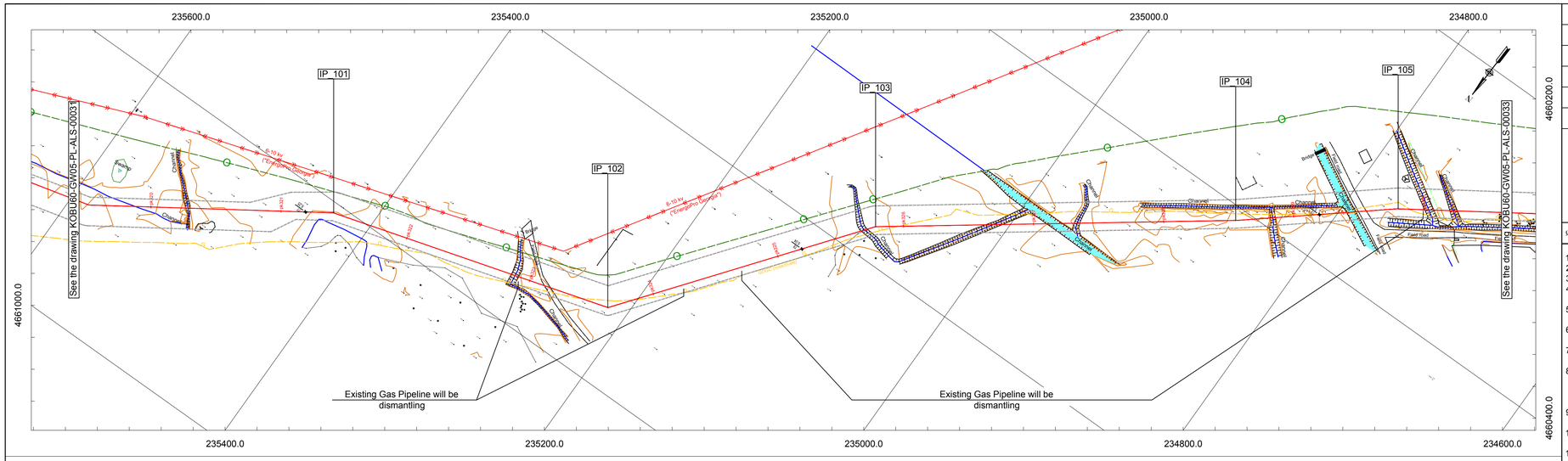


IPs	X	Y	Angle
IP_101	235428.95	4660807.25	17°
IP_102	235215.03	4660744.37	36°
IP_103	235083.40	4660574.30	16°
IP_104	234860.68	4660409.86	3°
IP_105	234764.13	4660330.12	6°

შენიშვნები / NOTES

1. კოორდინატთა სისტემა / COORDINATE SYSTEM

WGS_1984_UTM_Zone_38N
Projection: Transverse_Mercator
Linear Unit: Meter
Datum: KRONSTADT (BALTIC SEA)

პირობითი აღნიშვნა / LEGEND

- Projected Gas Pipeline
- Existing Gas Pipeline
- WREP (Western Route Export Pipeline)
- ROW
- Bore pit
- Borehole

IP	- Intersection point
AM	- Aerial marker post
MP	- Marker post
CP	- Cathodic protection
AM/CP	- Cathodic protection/Aerial marker post
AV	- Vertical Angle
AH	- Horizontal Angle
AJ	- Joint Angle
A	- Angle
CB	- Cold Bend
HB	- Hot Bend
PTL	- Power transmission line
WP	- Water pipeline
GP	- Gas pipeline
OP	- Oil pipeline
UOC	- Fiber-Optic cable
	- Level of underground water

დამატებითი ინფორმაცია / ADDITIONAL INFORMATION

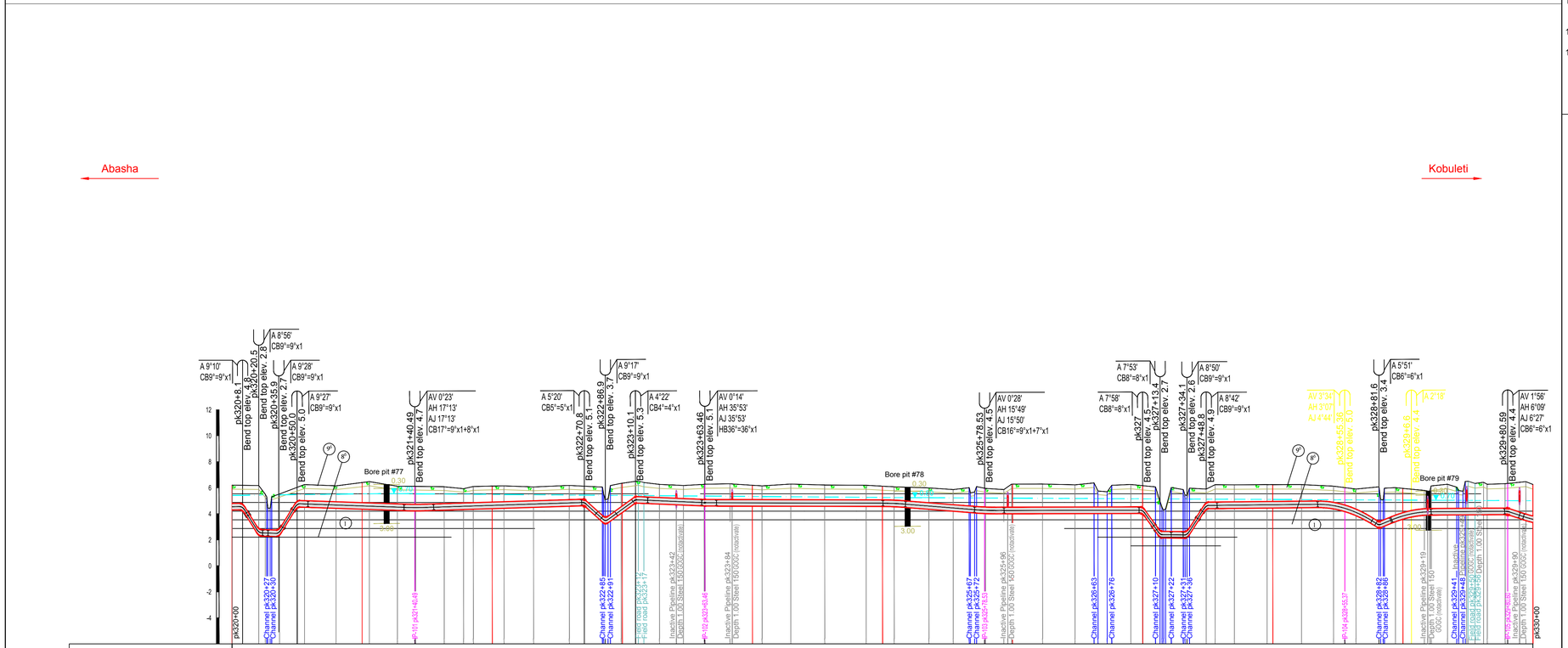
1. The drawing is read from the left to the right.
2. Dimensions on the drawing are specified in meters.
3. IP 0° does not exist.
4. Standard drawing of Concreted Pipe: KOBU60-GW05-PL-STD-00001.
5. Standard drawing of Protective unit of underground cable on the pipeline crossing point: KOBU60-GW05-PL-STD-00002.
6. Standart drawing of Protective casing for DN500 pipelines KOBU60-GW05-PL-STD-00003.
7. Standart drawing of exiting pipe out of the ground: KOBU60-GW05-PL-STD-00004.
8. Standard drawing of Concreted Slabs: KOBU60-GW05-PL-STD-00005 (2500x500x150 mm), KOBU60-GW05-PL-STD-00006 (2000x1000x120 mm), KOBU60-GW05-PL-STD-00007 (1500x1000x100 mm).
9. Standard drawing of Marker post (MP) standartuli naxazi: KOBU60-GW05-PL-STD-00008.
10. Standart drawing of Pipeline marker post (AM): KOBU60-GW05-PL-STD-00009.
11. Standart drawing of Joint drawing of control - measurement point (CP) and marker post (AM): KOBU60-GW05-PL-STD-00010.
12. Standart drawing of Install Control measurement post (CP) on pipeline: KOBU60-GW05-PL-CPR-00009.
13. Valves detailed drawings: KOBU60-GW05-PL-DTL-00001-00007 (DN500), KOBU60-GW05-PL-DTL-00009-000013 (DN300).

გეოლოგია / GEOLOGY

0. (96) Topsoil layer
1. **(EGE 1)** - Clay, brown, without any tabs, density (ρ) 1.88 g/cm^3, by "СНиП" IV-2-82 according to the ground belong to the group II, number 8, paragraph "б"; Optional reporting impedance R0 = 2.14-2.7 kg/cm^2 × 0.1 MPa.
2. **(EGE 2)** - Clay, dark gray, rbilplastikuri, tsvrilmartslovani sand layers, with a thickness of 5-10 cm. Tsqalgajerebuli, density (ρ) 1.85 g / cm^3. Optional reporting impedance R / 0 = 1.50-2.0 kg / cm^2 × 0.1 MPa. By "СНиП" IV-2-82 the ground belongs to the group II, number 8, paragraph "б".
3. **(EGE 3)** - Clay-sand, dark gray, fine-grained, homogeneous, plastic. 5-10 cm thick layers of fine-grained sand. Density (ρ) 1.67 g/cm^3, conditional calculating impedance R/0 = 1.6-1.8 kg/sm2/ ×0.1 mpa. By "СНиП" IV-2-82 ground belong to the group I , number 34, paragraph "a".
4. **(EGE 4)** - Sand, dark gray, fine-grained, high-density tsqalgajerebuli, conditional processing complexity calculating impedance R/0=1.50kg/cm^2×0.1MPa. By "СНиП" IV-2-82 according to the ground belong to the group I, number 27, paragraph "a".
5. **(EGE 5)** - Gravel soil, sand shemavsebit, tsqalgajerebuli. optional reporting of resistance R/0 = 5.50 kg/sm2/ ×0.1 mpa. Processing complexity by "СНиП" IV-2-82 according to the soil belongs to the group II, number 6, paragraph "a".
6. **(24*)** - **Made ground.** Difficulty processing by ground belongs to the group II, by "СНиП" IV-5-82 .

ობიექტის POSITION	სახელი, გვარი NAME	ხელმოწერა SIGN
Approved by	A. Dekanosidze	
Checked by	N. Beruchashvili	
Checked by	T. Javakhishvili	
Processed by	Ts. Maghlakelidze	
Drawn by	I. Eliseevi	

თარიღი DATE	29/07/15	20/04/16	09/06/16	22/06/16
რევ. № Rev.No	A02	A03	A04	C01



Piket (PK)	320 321 322 323 324 325 326 327 328 329 330
Ground Elevation , m	
Slope / Distance, m	
Depth of Trench, m	
ROW Width, m	22 m
Category / Wall Thickness and Dia	508 x 8.7 X52 API 5L
Coating	Cathodic protection; Factory L=1000.1 m
Pipeline Protection/Pipe Weights (type, quantity and step(distance))	
Casing Dia xWT, mm / Length, m	
Valve	
Pipeline Marks	MP AM CP CP CP AM AM MP MP MP AM/CP
Above & Underground Communication	GP GP GP GP GP
Construction Restriction	
Reference Drawing	

საქართველოს ნავთობისა და გაზის კორპორაცია
Georgian Oil & Gas Corporation

East-West Gas Main Pipeline
Kobuleti Branch

Gas pipeline area pk 320+00 - pk 330+00
Plan and Profile

მასშტაბი(A1): / SCALE (A1): Hor.1:2000; Vert. 1:200
კოო. 1:2000; ფაფრ. 1:200

ნახაზის № /DCC No:	ფურცელი SHEET	რევ. № Rev.No
KOBU60-GW05-PL-ALS-00032	32(60)	C01