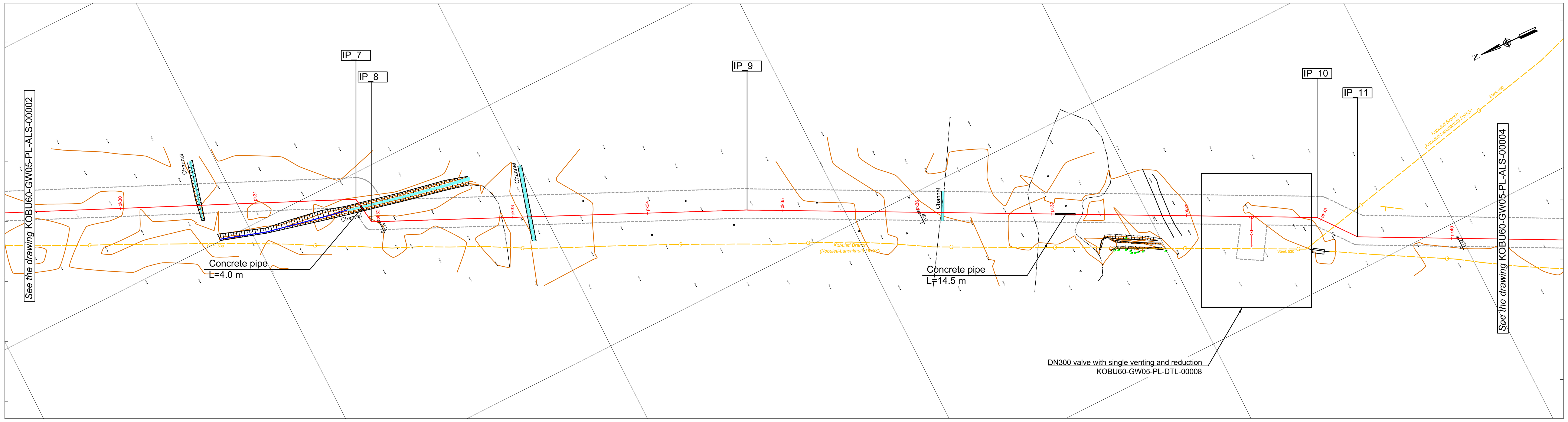
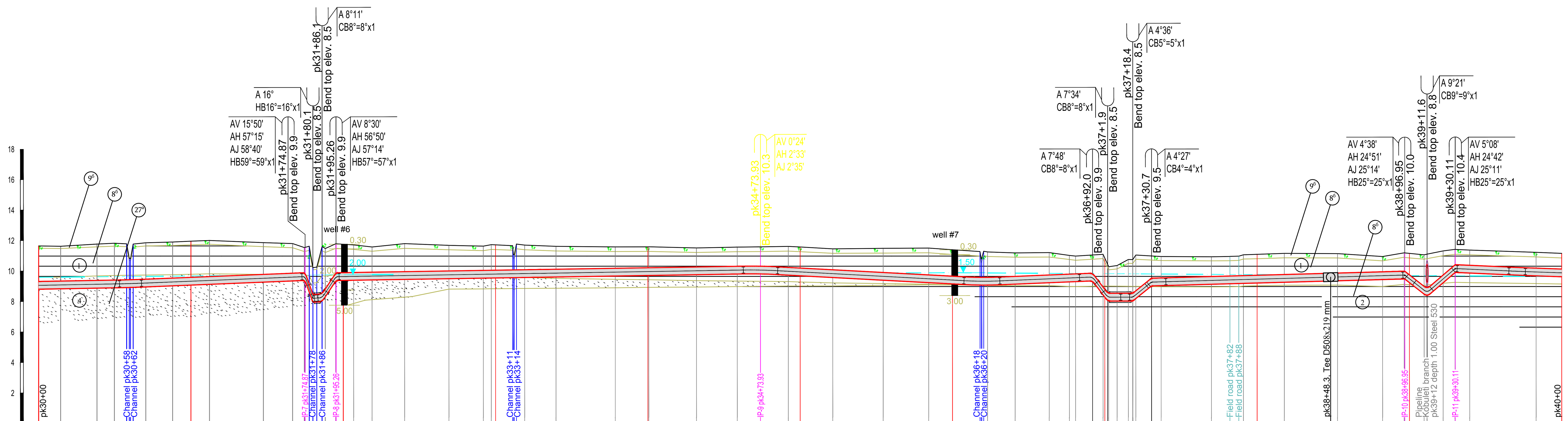


Abasha

Kobuleti



Piket (PK)	30	31	32	33	34	35	36	37	38	39	40
Ground Elevation, m	11.65, 11.79, 11.77	11.96	11.55, 11.63, 10.26, 11.61, 11.79, 11.76	11.72, 11.67, 11.77	11.59	11.59, 11.58	11.40, 11.28, 11.30	10.85	10.96, 10.98, 11.10	11.19, 11.16, 11.11, 11.42	11.16
Slope / Distance, m	0.002 / 60.3; 0.003 / 114.6		9.9, 6.0, 0.152, 9.2	0.002 / 278.7		0.006 / 145.4	0.004 / 72.7	0.1, 9.9; 0.0, 16.5; 0.081, 12.3	0.002 / 166.3	0.075, 14.7; 0.086, 18.5	0.004 / 69.9
Depth of Trench, m	2.8, 2.8, 2.9, 2.9, 2.9, 2.8, 1.9, 1.9	2.9, 2.9, 2.9, 2.9, 2.6, 2.5	2.2, 2.3, 2.3, 2.3, 3.6, 3.2, 2.5, 2.4, 2.3, 2.2	2.3, 2.2, 2.1, 2.2, 2.2, 2.1, 1.5, 1.5, 2.1	2.0, 1.9, 1.9, 1.9, 1.8	1.8, 1.8, 1.9, 1.9, 1.9	2.1, 2.3, 2.2, 2.2, 1.7, 1.8, 2.2	2.0, 2.0, 1.7, 1.7, 1.7, 2.7, 2.6, 2.4, 2.3, 2.7, 2.7, 2.9, 2.0, 1.9	1.8, 1.8, 1.8, 1.9, 1.9, 1.9, 1.8	1.5, 1.7, 1.9, 2.6, 2.7, 2.1, 1.5, 1.5	1.5, 1.5, 1.5
ROW Width, m	22 m										
Category / Wall Thickness and Dia	508 x 8.7 X52 API 5L										
Coating	Protector, 2pcs		Concrete pipe L=4.0 m	Factory L=1000.0 m		Protector, 2pcs		Concrete pipe L=14.5 m			Protector, 2pcs
Pipeline Protection/Pipe Weights (type, quantity and step(distance))			+81.1, +85.1					+2.9, +17.4			
Casing Dia xWT, mm / Length, m											
Valve											
Pipeline Marks	AM/CP		AM, AM			CP				CP, MP	AM/CP
Above & Underground Communication										GP	
Construction Restriction											
Reference Drawing									DTL-00008		

IPs	X	Y	Angle
IP_7	260582.32	4671519.85	57°
IP_8	260562.14	4671516.94	57°
IP_9	260444.54	4671264.29	3°
IP_10	260249.18	4670889.09	25°
IP_11	260222.93	4670868.84	25°

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).

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
- 5/1, 4 - Bore pit
- 7/2, 9 - 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

გეოლოგია / GEOLOGY

0 — (96) Topsoil layer

1 — **(EGE 1)** - Clay, brown, without any tabs, density (ρ) 1.88 g/cm³, 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/cm² × 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 / cm³. Optional reporting impedance R / 0 = 1.50-2.0 kg / cm² × 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/cm³, 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/cm²×0.1MPa. 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 — **(24ª)** - **Made ground.** Difficulty processing by ground belongs to the group II, by "СНИП" IV-5-82 .

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

თარიღი DATE	12/01/16	20/04/16	06/06/16	27/06/16
რევ. № Rev.No	A03	A04	A05	C01

საქართველოს ნავთობისა და გაზის კორპორაცია
Georgian Oil & Gas Corporation

East-West Gas Main Pipeline
Kobuleti Branch

Gas pipeline area pk 30+00 - pk 40+00
Plan and Profile

მასშტაბი(A1): / SCALE (A1): Hor.1:2000; Vert. 1:200
ჰორ. 1:2000; ვერტ. 1:200

ნახაზის № /DCC No:	ფურცელი SHEET	რევ. № Rev.No
KOBU60-GW05-PL-ALS-00003	3(60)	C01

FILENAME: \\FILESERVER\DMS\PROJECTS\WEST\KOBU60\CAD\ALS\ENG\KOBU60-GW05-PL-ALS-00003_C01.DWG