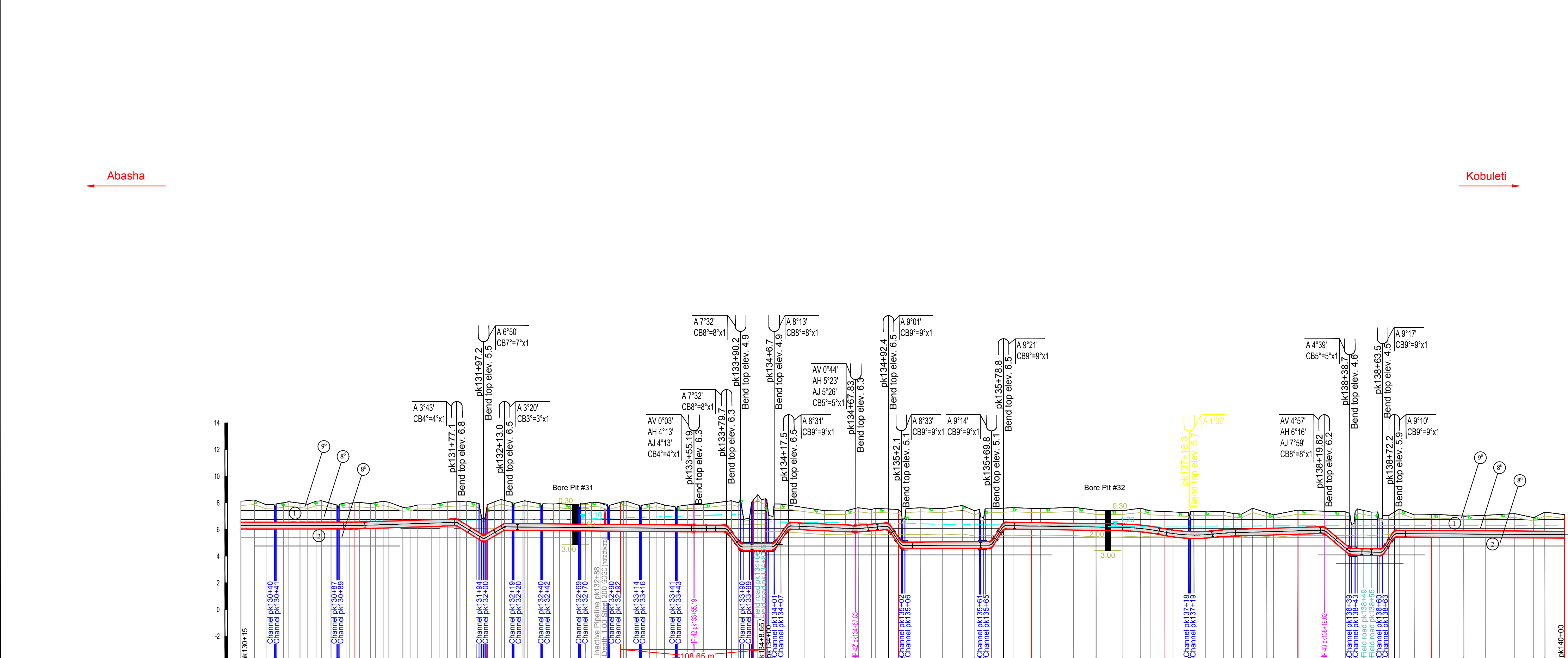
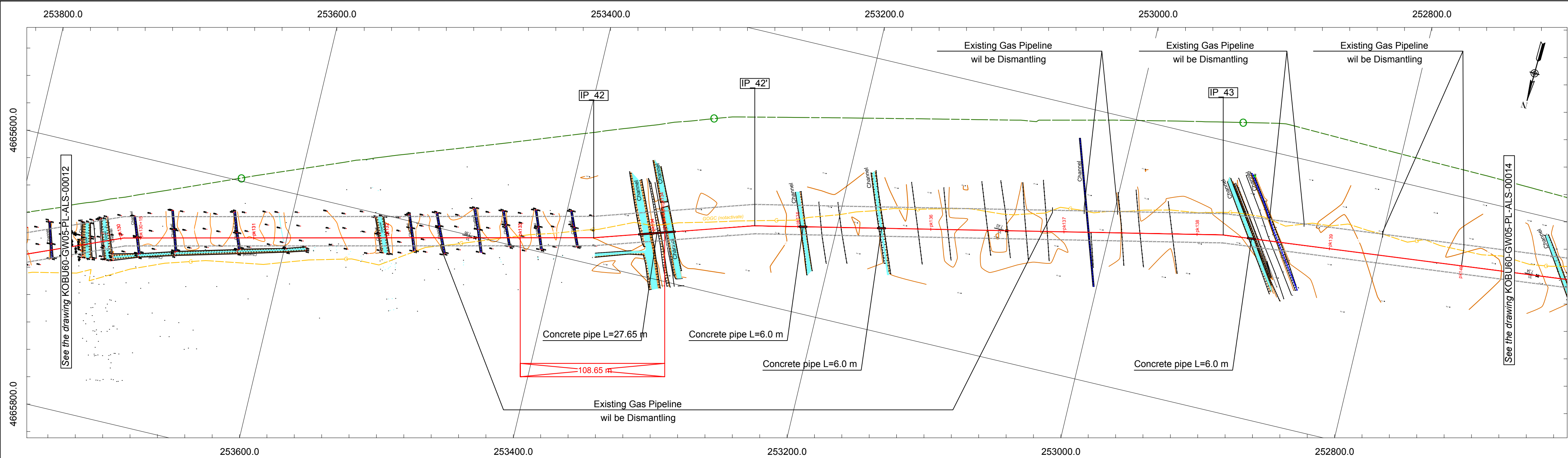




Piket (PK)	130+15	131	132	133	134	135	136	137	138	139	140
Ground Elevation , m	7.65	7.75	7.84	7.75	7.94	7.95	7.95	7.95	7.95	7.95	7.95
Distance, m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Depth of Trench, m	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
ROW Width, m	22	22	22	22	22	22	22	22	22	22	22
Category	Factory	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe	Concrete pipe
Wall Thickness and Dia	L=994.3 m	L=27.65 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m	L=6.0 m
Coating											
Pipeline Protection/Pipe Weights (type, quantity and step/distance)											
Casing Dia xWT, mm Length, m											
Valve											
Pipeline Marks	MP	MP	MP	MP	MP	AM/CP	MP	MP	MP	MP	AM/CP
Above & Underground Communication											
Construction Restriction											
Reference Drawing											

IPs	X	Y	Angle
IP_42	253375.92	4665580.28	4°
IP_42'	253260.31	4665543.62	5°
IP_43	252916.50	4665469.15	6°

30607336360 / NOTES

1. 30607336360 / COORDINATE SYSTEM

WGS_1984_UTM_Zone_38N

Projection: Transverse_Mercator

Linear Unit: Meter

Datum: KRONSTADT (BALTIC SEA)

30607336360 / 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

30607336360 / 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 Concrete Pipe: KOBUE60-GW05-PL-STD-00001.

5. Standard drawing of Protective unit of underground cable on the pipeline crossing point: KOBUE60-GW05-PL-STD-00002.

6. Standard drawing of Protective casing for DN500 pipelines KOBUE60-GW05-PL-STD-00003.

7. Standard drawing of exiting pipe out of the ground: KOBUE60-GW05-PL-STD-00004.

8. Standard drawing of Concrete Slabs: KOBUE60-GW05-PL-STD-00005 (2500x500x150 mm), KOBUE60-GW05-PL-STD-00006 (2000x1000x120 mm), KOBUE60-GW05-PL-STD-00007 (1500x1000x100 mm).

9. Standard drawing of Marker post (MP) standard: KOBUE60-GW05-PL-STD-00008.

10. Standard drawing of Pipeline marker post (AM): KOBUE60-GW05-PL-STD-00009.

11. Standard drawing of Joint drawing of control - measurement point (CP) and marker post (AM): KOBUE60-GW05-PL-STD-00010.

12. Standard drawing of Install Control measurement post (CP) on pipeline: KOBUE60-GW05-PL-CPR-00009.

13. Valves detailed drawings: KOBUE60-GW05-PL-DTL-00001-00007 (DN500), KOBUE60-GW05-PL-DTL-00009-000013 (DN300).

30607336360 / GEOLOGY

0

1

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(06) Topsoil layer

(E06 1) - Clay, brown, without any tabs, density (ρ) 1.88 g/cm³, by "CHWT" IV-2-82 according to the ground belongs to the group II, number 8, paragraph "b". Optional reporting impedance R0 = 2.14-2.7 kg/cm² > 0.1 MPa.

(E06 2) - Clay, dark gray, rblplastkuri, tsavimartalovani sand layers, with a thickness of 5-10 cm. Tsavimartalovani, density (ρ) 1.85 g/cm³, optional reporting impedance R0 = 1.5-2.0 kg/cm² > 0.1 MPa. By "CHWT" IV-2-82 the ground belongs to the group II, number 8, paragraph "b".

(E06 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 R0 = 1.6-1.8 kg/cm² > 0.1 MPa. By "CHWT" IV-2-82 ground belongs to the group I, number 34, paragraph "a".

(E06 4) - Sand, dark gray, fine-grained, high-density tsavimartalovani, conditional processing complexity calculating impedance R0=1.50kg/cm²>0.1MPa. By "CHWT" IV-2-82 according to the ground belongs to the group I, number 27, paragraph "a".

(E06 5) - Gravel soil, sand and shemavsebi, tsavimartalovani, optional reporting of resistance R0 = 5.50 kg/cm² > 0.1 MPa. Processing complexity by "CHWT" IV-2-82 according to the soil belongs to the group II, number 6, paragraph "a".

(24') - Made ground. Difficulty processing by ground belongs to the group II, by "CHWT" IV-5-82.

თავისმართის	გვარის, სახელის	სივარდის
POSITION	NAME	SIGN
Approved by	A. Dekanosidze	
Checked by	N. Beruchashvili	
Checked by	T. Javakhishvili	
Processed by	Ts. Maghlakelidze	
Drawn by	I. Elisevi	

თავისმართის	27/01/16	20/04/16	07/06/16	22/06/16
DATE				
გვ. №	A03	A04	A05	C01
Rev.No				

საქართველოს ნავთობის და გაზის კორპორაცია

Georgian Oil & Gas Corporation

East-West Gas Main Pipeline

Kobuleti Branch

Gas pipeline area pk 130+15 - pk 140+00

Plan and Profile

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

კოორდ. 1:2000; 3:600

გვ. №

შეფუთვის

გვ. №

Rev.No

C01

13(60)

KOBUE60-GW05-PL-ALS-00013