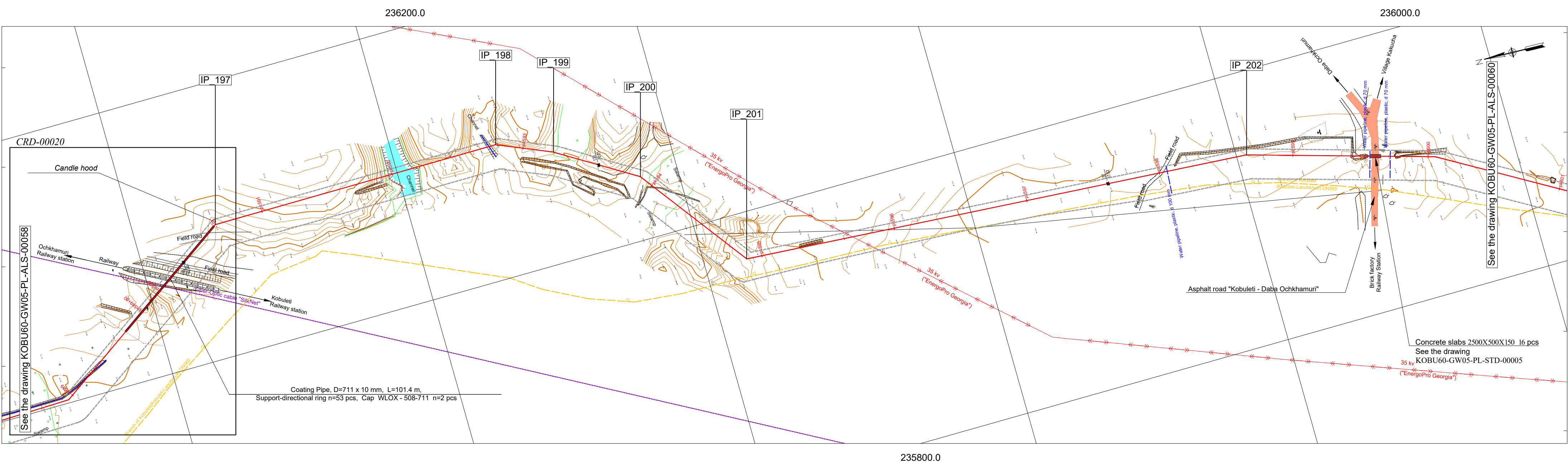
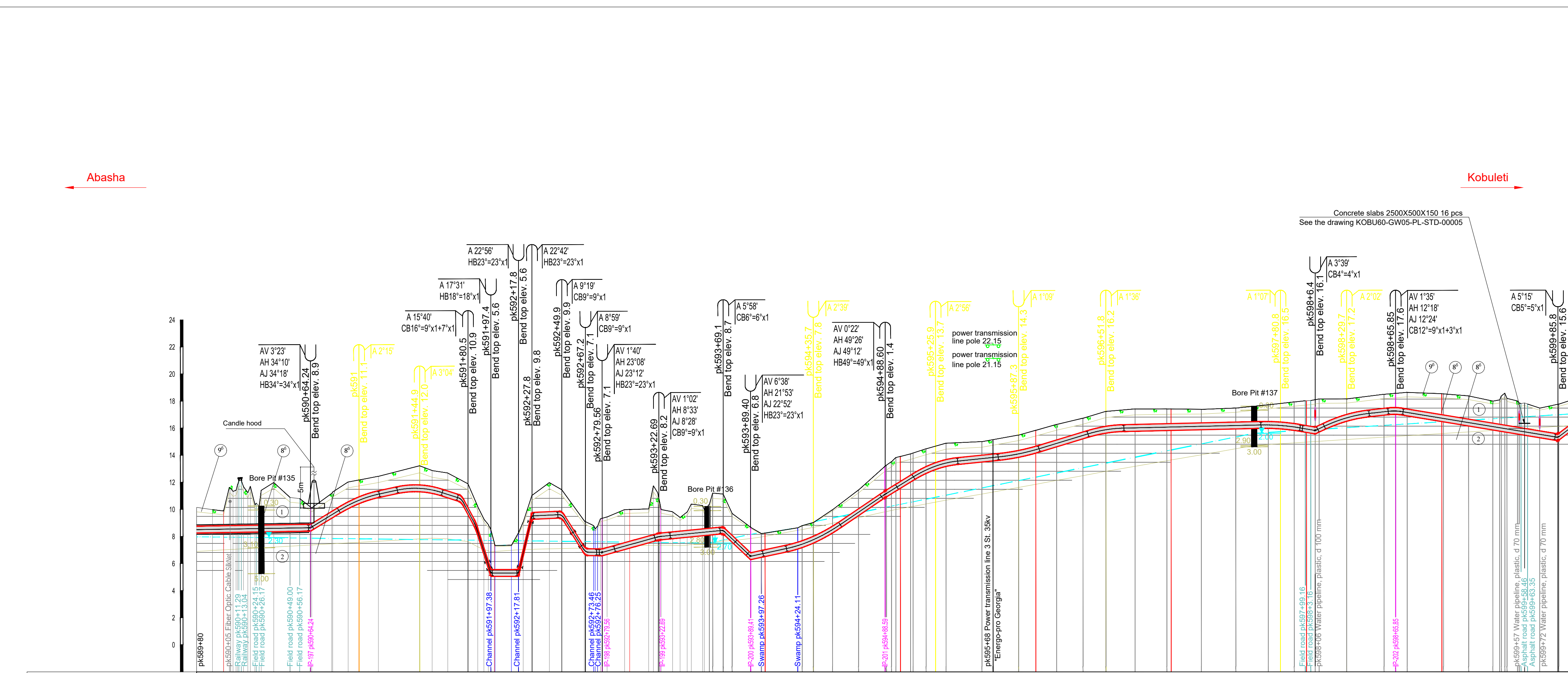




IPs	X	Y	Angle	შენიშვნა / NOTES
IP_197	236097.37	4637339.68	34°	1. კოორდინატების სისტემა / COORDINATE SYSTEM WGS_1984_UTM_Zone_38N Projection: Transverse_Mercator Linear Unit: Meter Datum: KRONSTADT (BALTIC SEA)
IP_198	236097.73	4637124.36	23°	
IP_199	236080.85	4637084.67	9°	
IP_200	236045.90	4637027.84	22°	
IP_201	235966.20	4636968.81	49°	
IP_202	235939.56	4636592.50	12°	
შენიშვნა / 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 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) standardul naxazi: 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-00009-00013 (DN300).



Piket (PK)	589+80	590	591	592	593	594	595	596	597	598	599	600
Ground Elevation , m	12.12	12.14	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
Distance, m	0.00	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	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
ROW Width, m	22	22	22	22	22	22	22	22	22	22	22	22
Category	Category	Category	Category	Category	Category	Category	Category	Category	Category	Category	Category	Category
Wall Thickness and Dia	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L	308 x 8.7 AS2 API 5L
Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating	Coating
Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))	Pipeline Protection/Pipe Weights (type, quantity and step/distance))
Casing	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm	Dia xWT, mm
Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve	Valve
Pipeline Marks	MP	MP	AM	AM	AM/CP	AM/CP	AM/CP	AM/CP	AM/CP	AM/CP	AM/CP	AM/CP
Above & Underground Communication	UOC	UOC	UOC	UOC	UOC	UOC	UOC	UOC	UOC	UOC	UOC	UOC
Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction	Construction Restriction
Reference Drawing	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020	CRD-00020

გეოლოგია / GEOLOGY			
0	(96) Topsoil layer		
1	(EGE 1) - Clay, brown, without any tabs, density (ρ) 1.88 g/cm³, by "CH4IT" 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.		
2	(EGE 2) - Clay, dark gray, rhlplastikuri, tsavimartalovani sand layers, with a thickness of 5-10 cm. Tsqalgajerebuli, density (ρ) 1.85 g/cm³, optional reporting impedance R0 = 1.55-2.0 kg/cm² * 0.1 MPa. By "CH4IT" IV-2-82 the ground belongs to the group II, number 8, paragraph "b".		
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 R0 = 1.6-1.8 kg/cm² * 0.1 mpa. By "CH4IT" IV-2-82 according to the ground belongs to the group I, number 34, paragraph "a".		
4	(EGE 4) - Sand, dark gray, fine-grained, high-density tsqalgajerebuli, conditional processing complexity calculating impedance R0=1.50kg/cm²*0.1MPa. By "CH4IT" IV-2-82 according to the ground belongs to the group I, number 27, paragraph "a".		
5	(EGE 5) - Gravel soil, sand and shemavsebeli, tsqalgajerebuli, optional reporting of resistance R0 = 5.50 kg/cm² * 0.1 mpa. Processing complexity by "CH4IT" 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 "CH4IT" IV-5-82.		
თანამშრომლობა / POSITION	გვარის, სახელის / NAME	სივრცის, / SIGN	
Approved by	A. Dekanosidze		
Checked by	N. Beruchashvili		
Checked by	T. Javakhishvili		
Processed by	Ts. Maghlakelidze		
Drawn by	I. Eliseevi		
თარიღი / DATE	20/04/16	16/06/16	22/06/16
გვ. № / Rev.No	A03	A04	C01
			C02
საქართველოს ნავთობის და გაზის კორპორაცია Georgian Oil & Gas Corporation			
East-West Gas Main Pipeline Kobuleti Branch			
Gas pipeline area pk 589+80 - pk 600+00 Plan and Profile			
მასშტაბი(A1): / SCALE (A1): Hor. 1:2000; Vert. 1:200			
კოორდ. სისტემა: / COORD. SYSTEM: WGS_1984_UTM_Zone_38N			
განმარტების № / DCC No: K0BU60-GW05-PL-ALS-00059			
ფურცლის № / SHEET		59(60)	გვ. № / Rev.No
			C02