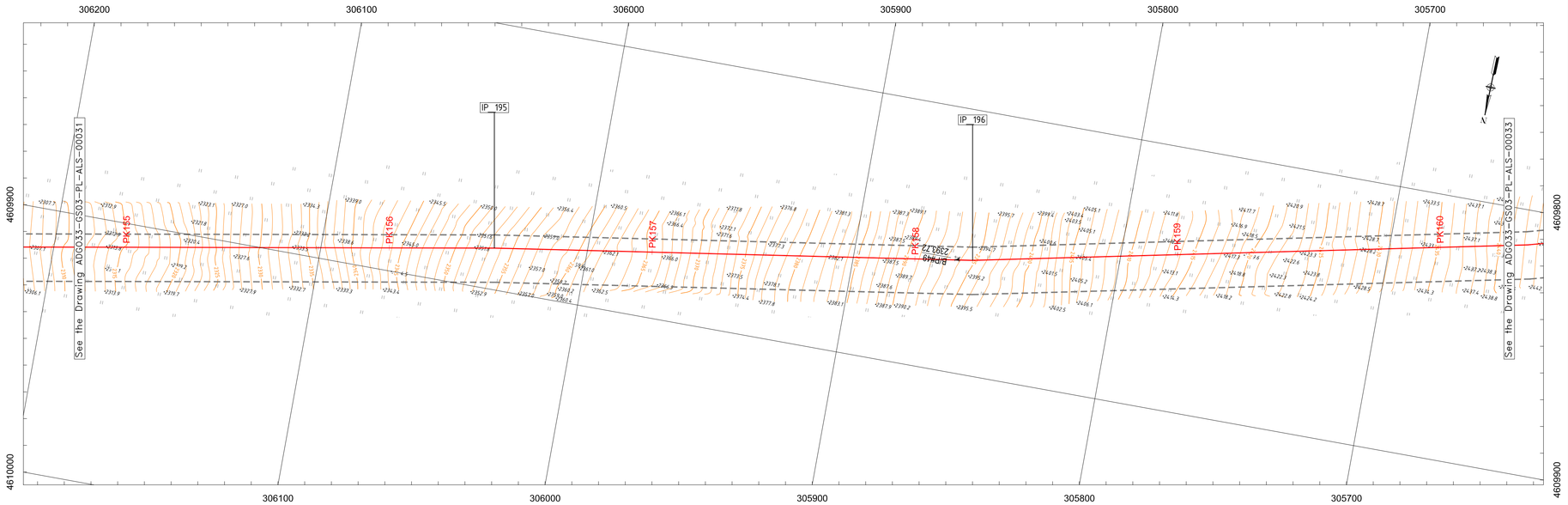
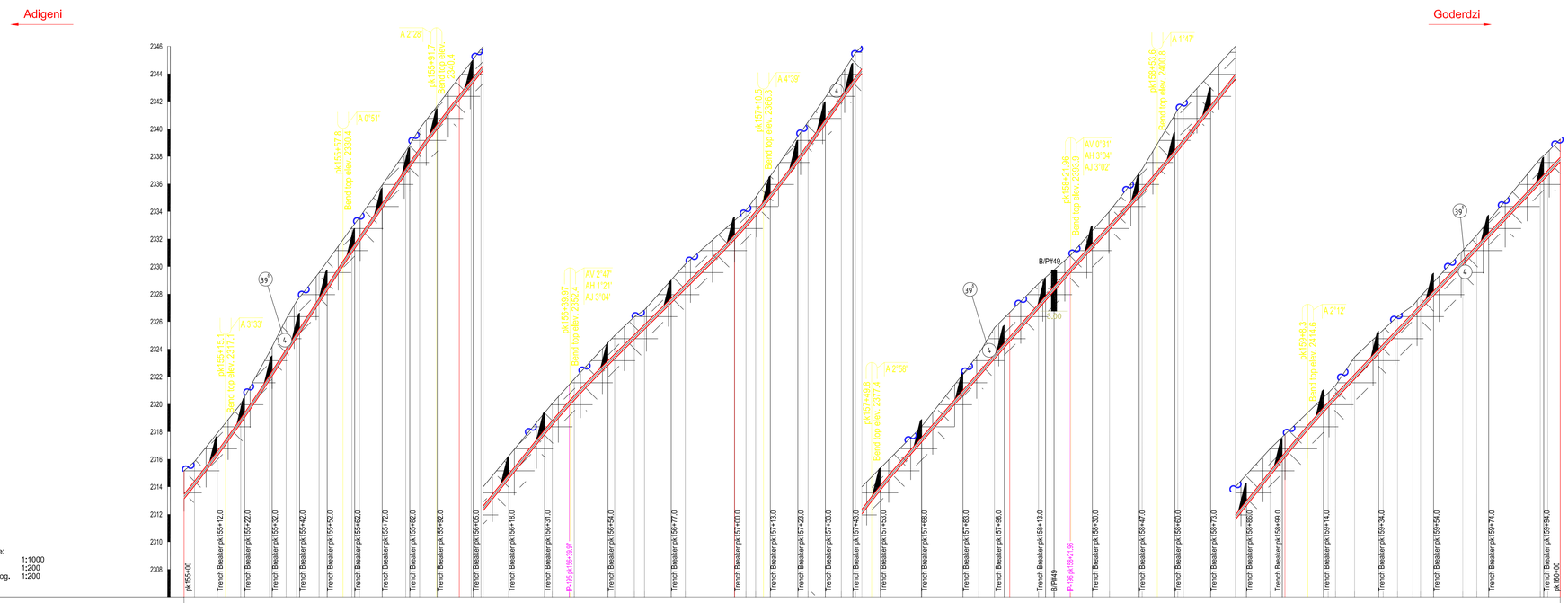


IPs	X	Y	Angle
IP_195	306035.00	4609884.33	1°
IP_196	305855.14	4609856.52	3°

1. After the construction material is prepared, the pipeline axis should be planned and specified by the pipeline profile.

2. Deepening the pipeline (distance from the surface of the pipe to the upper pipe) was at least 0.8 m (0.7 m in the rocky ground).



Scale:
Hor. 1:1000
Vert. 1:200
Geolog. 1:200

Piket (PK)	155	156	157	158	159	160
Ground Elevation , m	2315.16	2343.75	2333.42	2285.34	2280.67	2284.80	2413.81	2435.25
Slope	0.245	0.309	0.295	0.249	0.196	0.285	0.228	0.220	0.250	0.211
Distance, m	15.1	42.7	33.9	48.5	70.3	39.3	72.3	31.4	54.7	91.7
Depth of Trench, m	2.0 1.8	1.6 1.4	2.0 2.5 2.7	2.2 1.9 1.8 1.7	1.6 1.8 1.7	1.6 1.7 1.7 1.5	1.7 1.6 1.4	1.8 1.4 1.2 1.4 1.5	1.9 1.9 2.1	1.8 1.1	1.7 2.3 2.1	1.8 1.2	1.3 1.8 2.3 3.0 3.0	2.0 1.7	1.3 1.0 1.0	1.6 1.4 1.3 0.9 1.0	1.0 1.1	1.8 1.7 1.7
Row Width, m	18 m					
Category / Wall Thickness and Dia	IV / 323.9 x 7.9 API 5L					
Coating	Factory, 3LPE min 2.88mm, L=515.0 m					
Pipeline Protection/Pipe Weights (type, quantity and step(distance))	+1.5	+23.5	+43.5	+63.5	+83.5	+6.5	+26.0	+45.5	+65.0	+84.5	+4.0	+24.5	+44.5	+64.0	+84.5	+4.0	+23.5	+43.0	+62.5	+82.0	+1.5	+21.0	+40.5	+60.0	+79.5	+99.0
Casing (Dia xWT, mm / Length, m)	Drainage, 26 pcs See the Drawing ADGO33-GS03-PL-STD-00008																									
Valve																										
Pipeline Marks																										AM/CP
Above & Underground Communication																										
Trench Breaker	+12.0	Trench Breakers, 35 pcs See the drawing ADGO33-GS03-PL-STD-00007																								+94.0
Reference Drawing																										

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 DN 300: #ADGO33-GS03-PL-STD-00001
5. Concreted Slab 1000x500x150 mm: #ADGO33-GS03-PL-STD-00002
6. Protective unit of underground cable on the pipeline crossing point: #ADGO33-GS03-PL-STD-00003
7. Marker Post: #ADGO33-GS03-PL-STD-00004
8. Pipeline Marker Post: #ADGO33-GS03-PL-STD-00005
9. Joint drawing of control - measurement point (CP) and marker post (AM): #ADGO33-GS03-PL-STD-00006
10. Drainage: #ADGO33-GS03-PL-STD-00007
11. Trench Breaker: #ADGO33-GS3-PL-CPR-00008.
12. Valves: #ADGO33-GS03-PL-DTL-00001, 00003, 00005, 00012.
13. Fencing and foundation of valves: #ADGO33-GS03-PL-DTL-00002, 00004, 00006, 00011, 00013.
14. Schematic drawings: #ADGO33-GS03-PL-SCM-00001 - 00004.

შენიშვნები / NOTES

I. კოორდინატთა სისტემა / COORDINATE SYSTEM
WGS_1984_UTM_Zone_38N
Projection: Transverse_Mercator
Linear Unit: Meter
Datum: KRONSTADT (BALTIC SEA)

პროფილის აღნიშვნა / LEGEND

- Projected Gas Pipeline
- Existing Gas Pipeline
- ROW
- Optical fiber cable
- Existing Water Pipeline

- 5/1 - Bore pit (B/P)
- 7/2 - Borehole (B/H)

- 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
- Drainage

გეოლოგია / GEOLOGY

0 — (0[d]) Soil layer, with vegetative roots and basic rocks broken stones inclusions, which is appropriated to the **II** group in accordance with exploitation complicacy by CNaR (construction norms and rules) Chul'II IV-5 82.

1 — (8[d]) Clay-brownish, with difficult plastic consistence, without inclusions, carbonatic, exploitation complicacy, **III** group by CNaR IV-5 82, Ro=0,25 MPa.

2 — (39[d]) Rocks of andesite-basalt and crushed stone with aggregate of difficult plastic consistence loam (up to 35%). Exploitation complicacy **III** group, Ro=0,45 MPa.

3 — (39[d]) Tuf-breccias, tuf-sandstone, tuf-argillites and in certain places rocks of andesite-basalt and crushed stone with aggregate of difficult plastic consistence loam (up to 35%). Exploitation complicacy **III** group, Ro=0,4 MPa

4 — (39[d]) Coloured, firm, steady, tuf-sandstones rocks and crushed stone with aggregate of difficult plastic consistence loam (up to 35%). Exploitation complicacy- **III** group, Ro=0,45 MPa.

* In certain section, between mining workings are fixed naked rocks, which in accordance with exploitation complicacy, by CNaR IV-5-82 are of VI-VII group. For this section for dltch excavation (may be) shall be necessary use of so-called "woodpecker".

თანამდებობა POSITION	სახელი, გვარი NAME	ხელმოწ. SIGN
Approved by	T. Javakhishvili	
Checked by	K. Teliashvili	
Checked by	S. Kirakosovi	
Processed by	Ts. Maghlakelidze	
Drawn by	A. Farii	

რევ. № Rev.No	A01	C01	
თარიღი DATE	28/09/18	22/01/19	

საქართველოს ნავთობისა და გაზის კორპორაცია
Georgian Oil & Gas Corporation

"Adigeni - Goderdzi" Gas Main Pipeline Construction Project

Gas pipeline area pk 155+00 - pk 160+00
Plan and Profile

მასშტაბი(A1): / SCALE (A1): Hor.1:1000; Vert. 1:200
კოორ. 1:1000; ვერტ. 1:200

ნახაზის № /DCC No:	ფურცელი SHEET	რევ. № Rev.No
ADGO33-GS03-PL-ALS-00032	32 (66)	C01