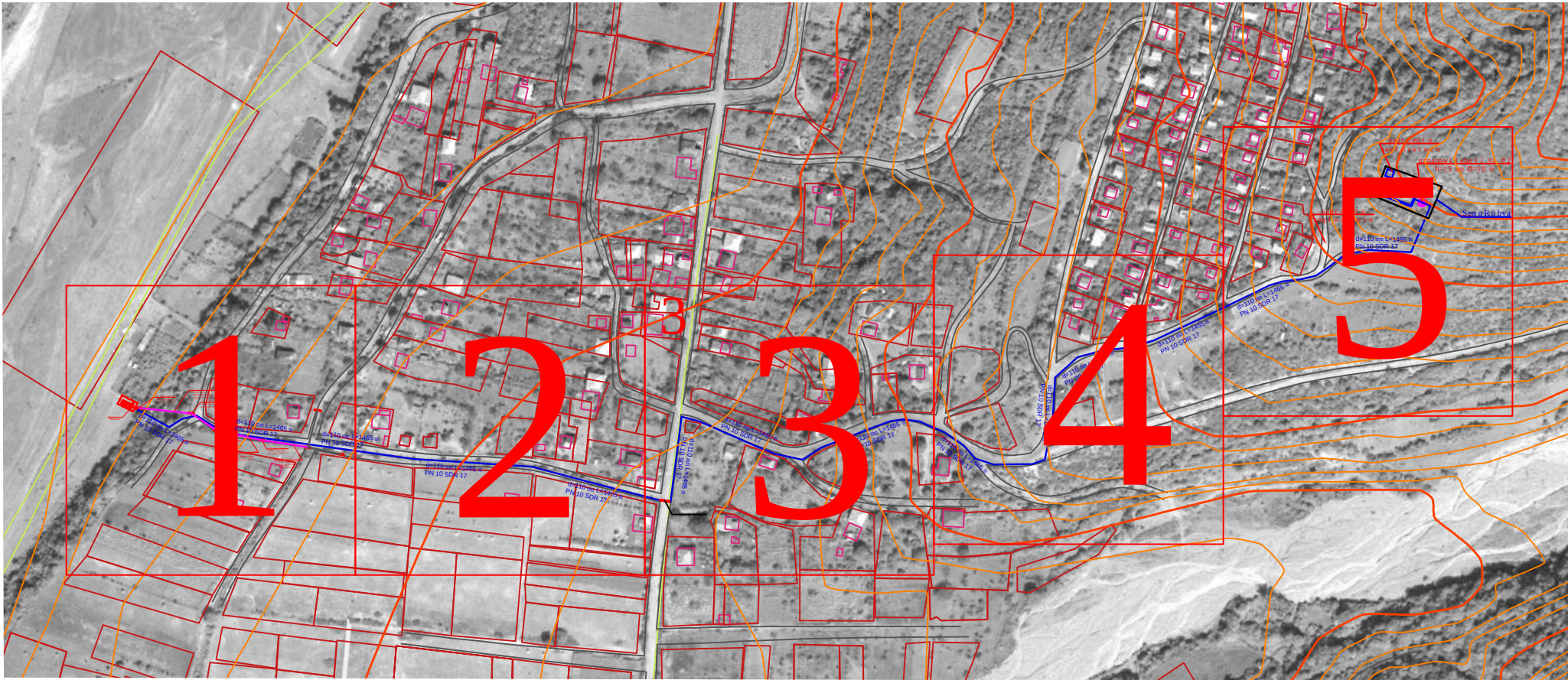
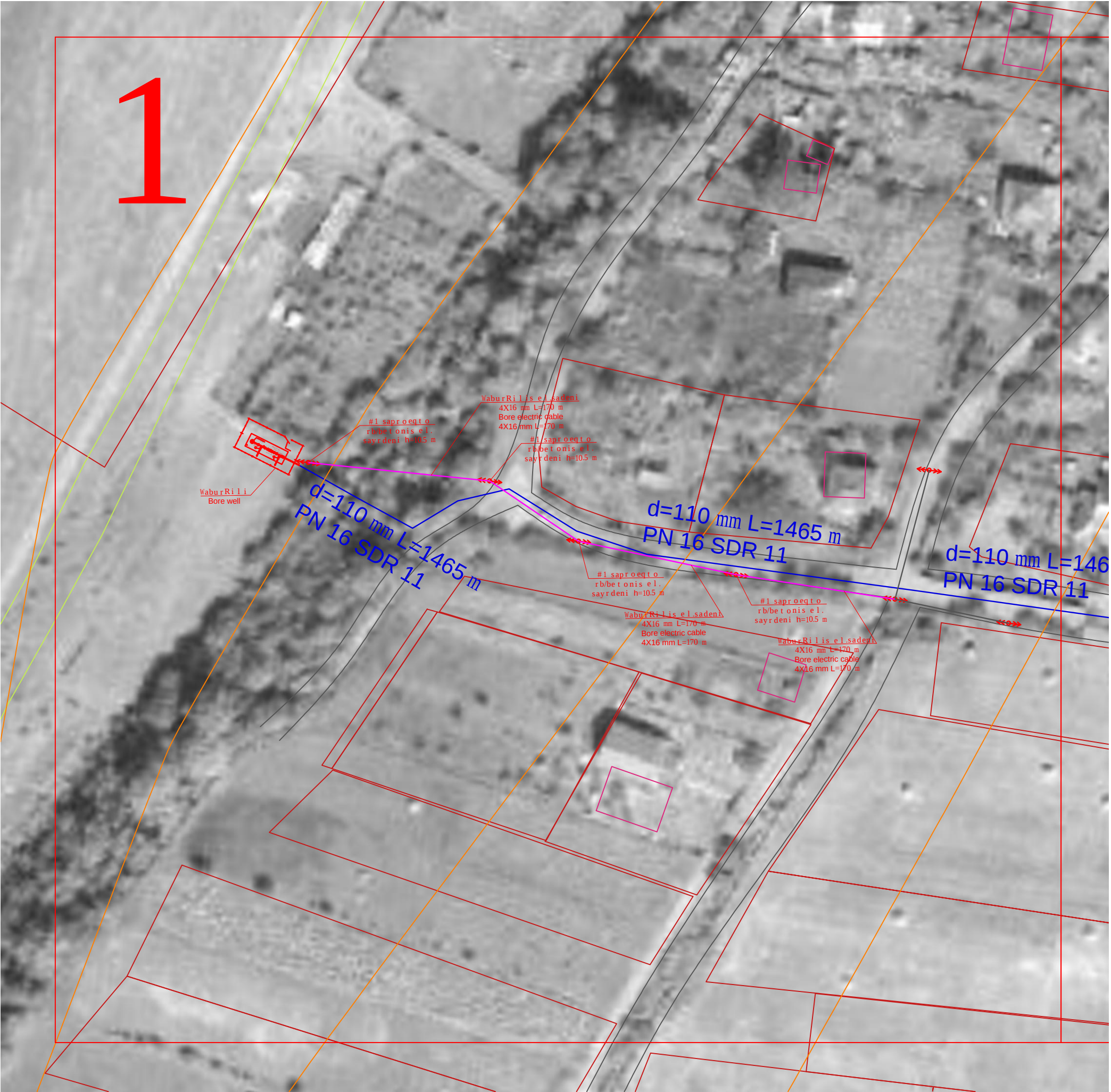


so f. qubr ianTkari



proeqti				
so f.qubr ianTkqris wya l moma r ageba				
Sems rulebeli Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri				
cotne giorgaZe				
naxazis dasaxeleba				
so f. bulaCauris da so f. qubrianTkaris wya lsadenis magistraluri mlsadenebis gegma gasaRebi				
faza	masStabi	zoma	furc. No	reviz.
pr	umaStabo	statusi	1 / 14	01



- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

p r o e q t i				
s o f . q u b r i a n T k q r i s w y a l m o m a r a g e b a				
S e m s r u l e b e l i				
S p s " h i d r o "				
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s / k 404 424 155				
t e l . : +995 557 000 985				
www.hydro.ge				
p r o e q t i s m T a v a r i i n J i n e r i				
c o t n e g i o r g a Z e				
n a x a z i s d a s a x e l e b a				
s o f . q u b r i a n T k a r i s w y a l s a d e n i s m a g i s t r a l u r i m i l s a d e n i s g e g m a # 1				
f a z a	m a s T a b i	z o m a	f u r c . N o	r e v i z .
p r	u m a S t a b o	s t a t u s i	2 / 14	01

1

eqsp l i k a c i a

s a p r o e q t o r e z e r v u a r i

w y a l s a d e n i s q s e l i s k v a n Z i

— s a p r o e q t o p o l i e T i l e n i s
m i l i P N 10 S D R 17

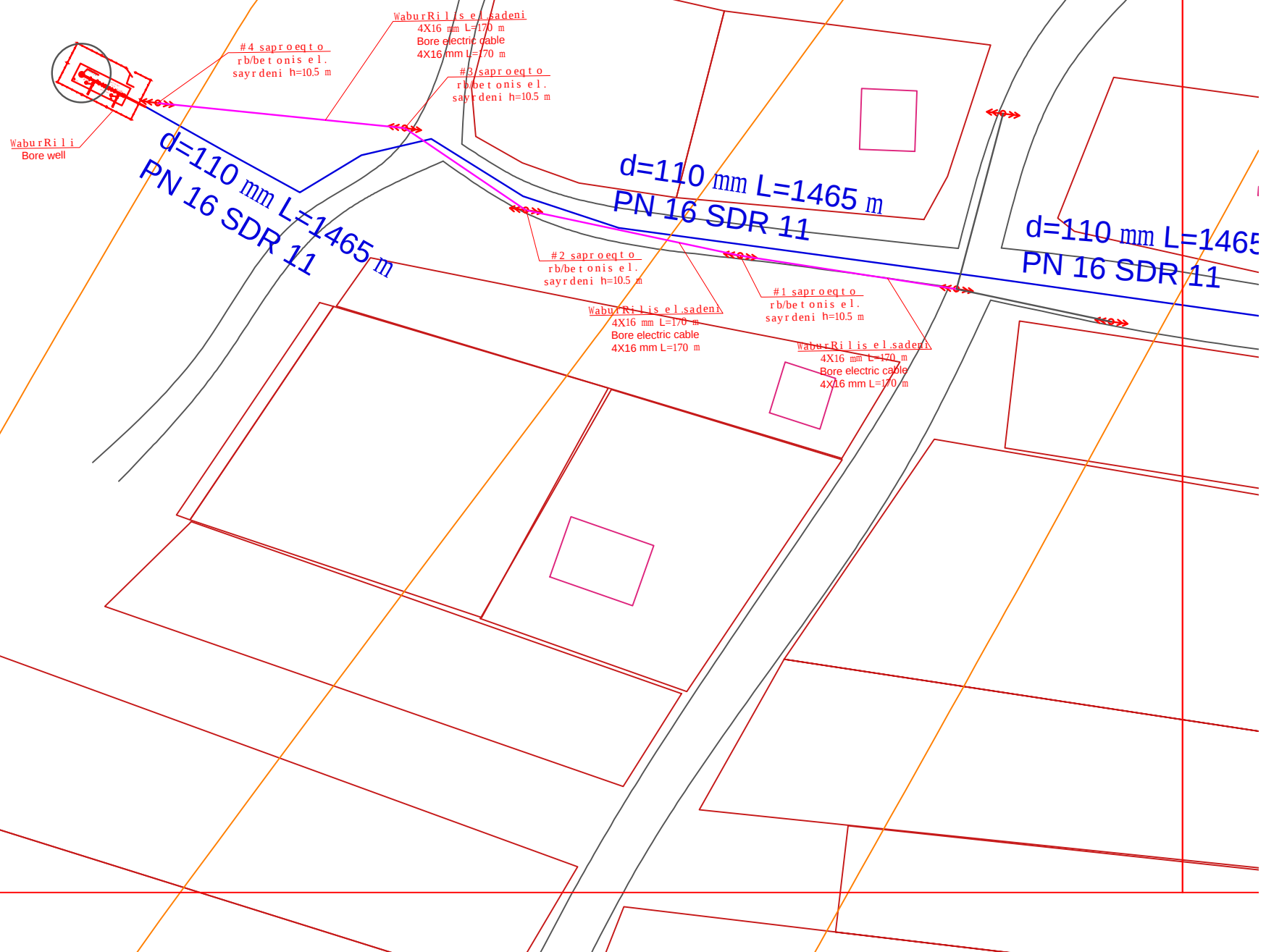
□ m i l i s d a m x S o b i

s a x a n Z r o h i d r a n t i

▨ s a p r o e q t o s a q l o r a t o r o

m i l i s d i a m e t r e b i s

m e q a n i k u r i g a d a m y v a n i

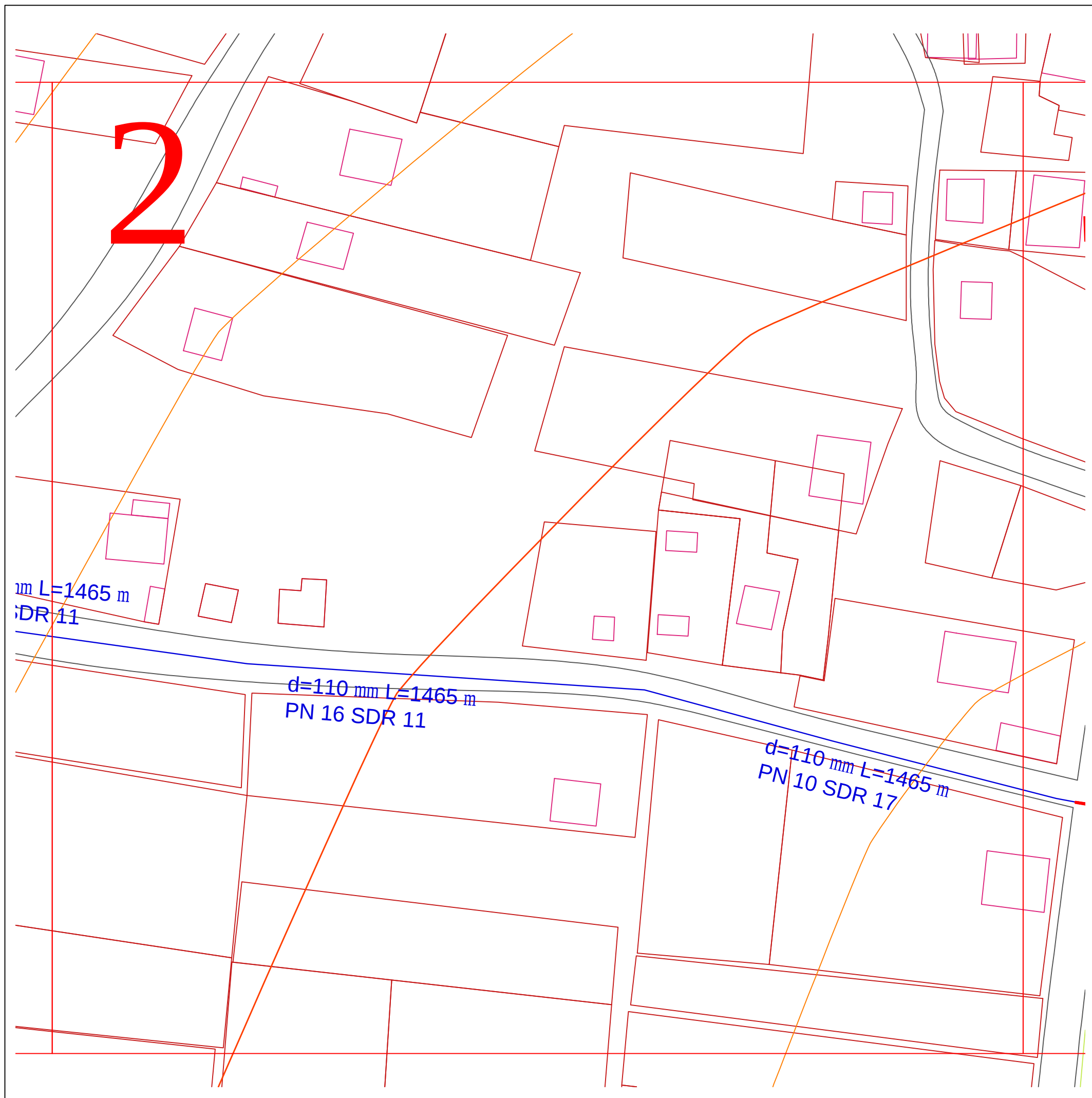


proeqti				
so f. qubrianTkqris wya l m o m a r a g e b a				
Sems rulebeli Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri				
cotne giorgaZe				
naxazis dasaxe leba				
so f. qubrianTkqris wya l s a d e n i s m a g i s t r a l u r i m i l s a d e n i s g e g m a #1				
faza	masS tabi	z o m a	furc. No	reviz.
pr	umaS t a b o	statusi	pr	3/14 01



- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

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Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri		far. No. 05.2017 w		
cotne giorgaZe		CAD No AutoCAD 2012		
naxazis dasaxe leba				
so f. qubrianTkqris wya l s a d e n i s m a g i s t r a l u r i m i l s a d e n i s g e g m a # 2				
faza	masS tabi	z o m a	furc. No	reviz.
pr	umaS t a b o	statusi	4 / 14	01



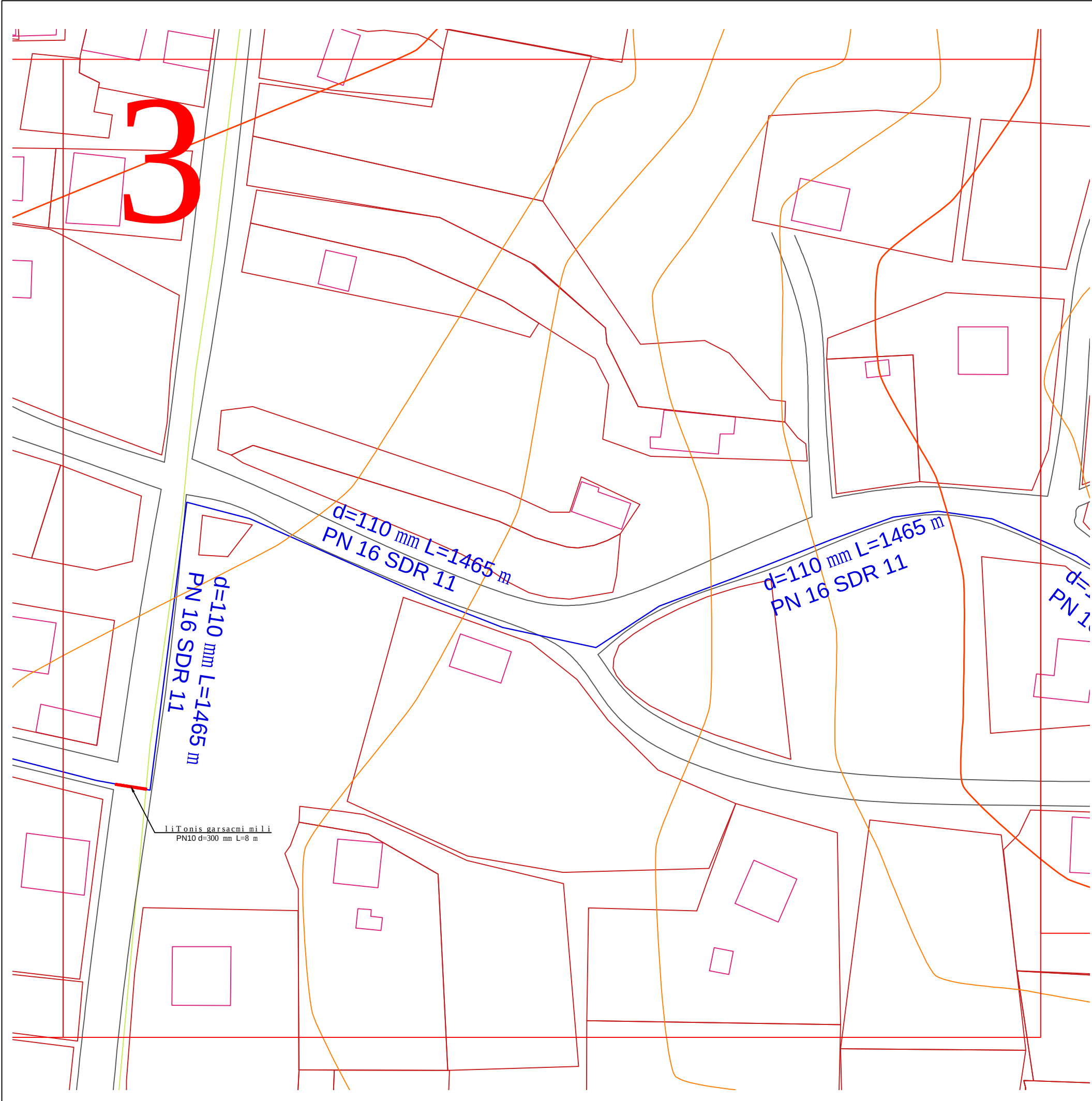
- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 SDR 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

p r o e q t i				
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- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

p r o e q t i				
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S p s " h i d r o "				
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www.hydro.ge				
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c o t n e g i o r g a Z e				
n a x a z i s d a s a x e l e b a				
s o f . q u b r i a n T k a r i s w y a l s a d e n i s m a g i s t r a l u r i				
m i l s a d e n i s g e g m a # 3				
f a z a	m a s T a b i	z o m a	f u r c . N o	r e v i z .
p r	u m a S t a b o	s t a t u s i	6 / 14	01



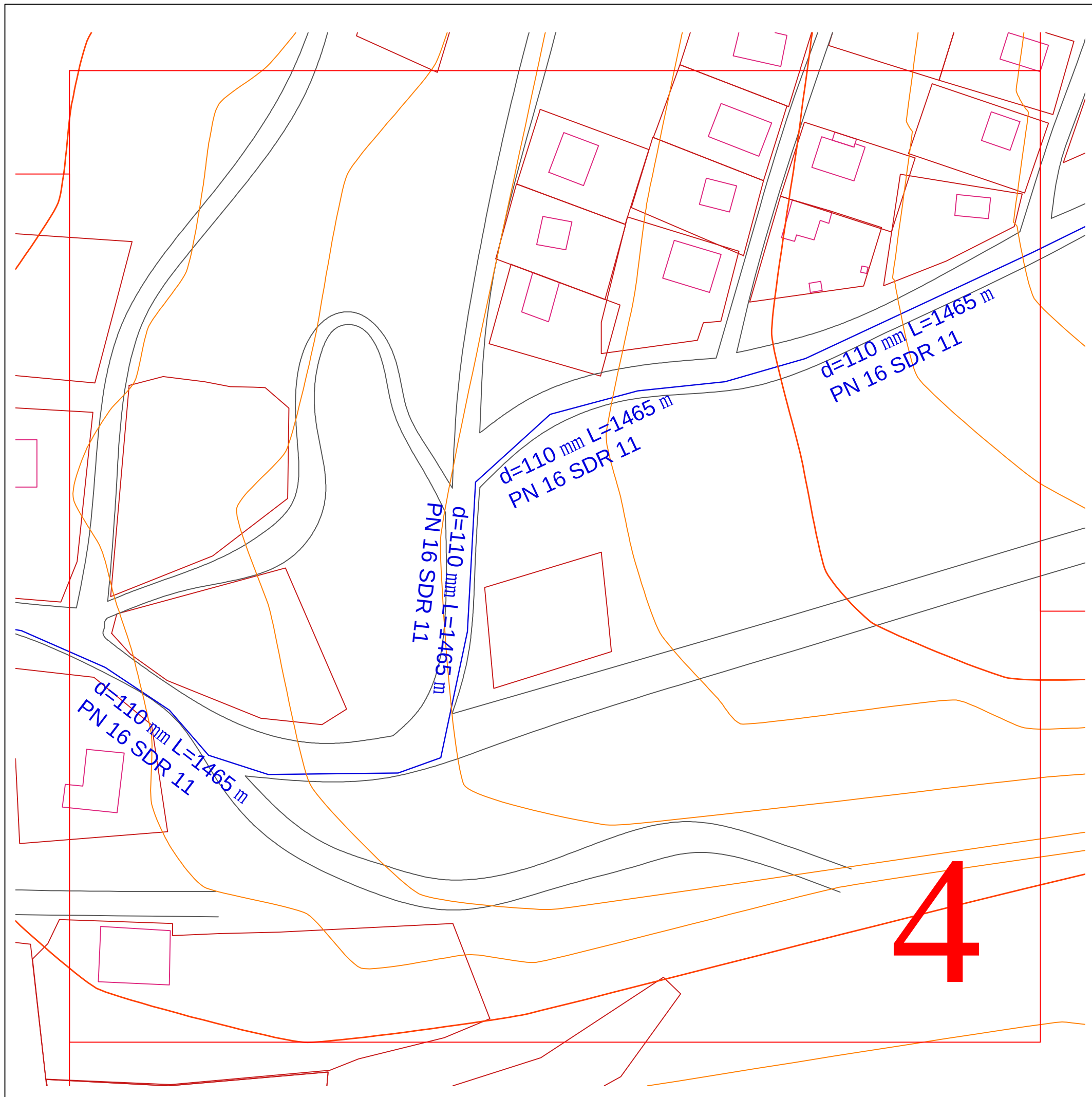
- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

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c o t n e g i o r g a Z e				
n a x a z i s d a s a x e l e b a				
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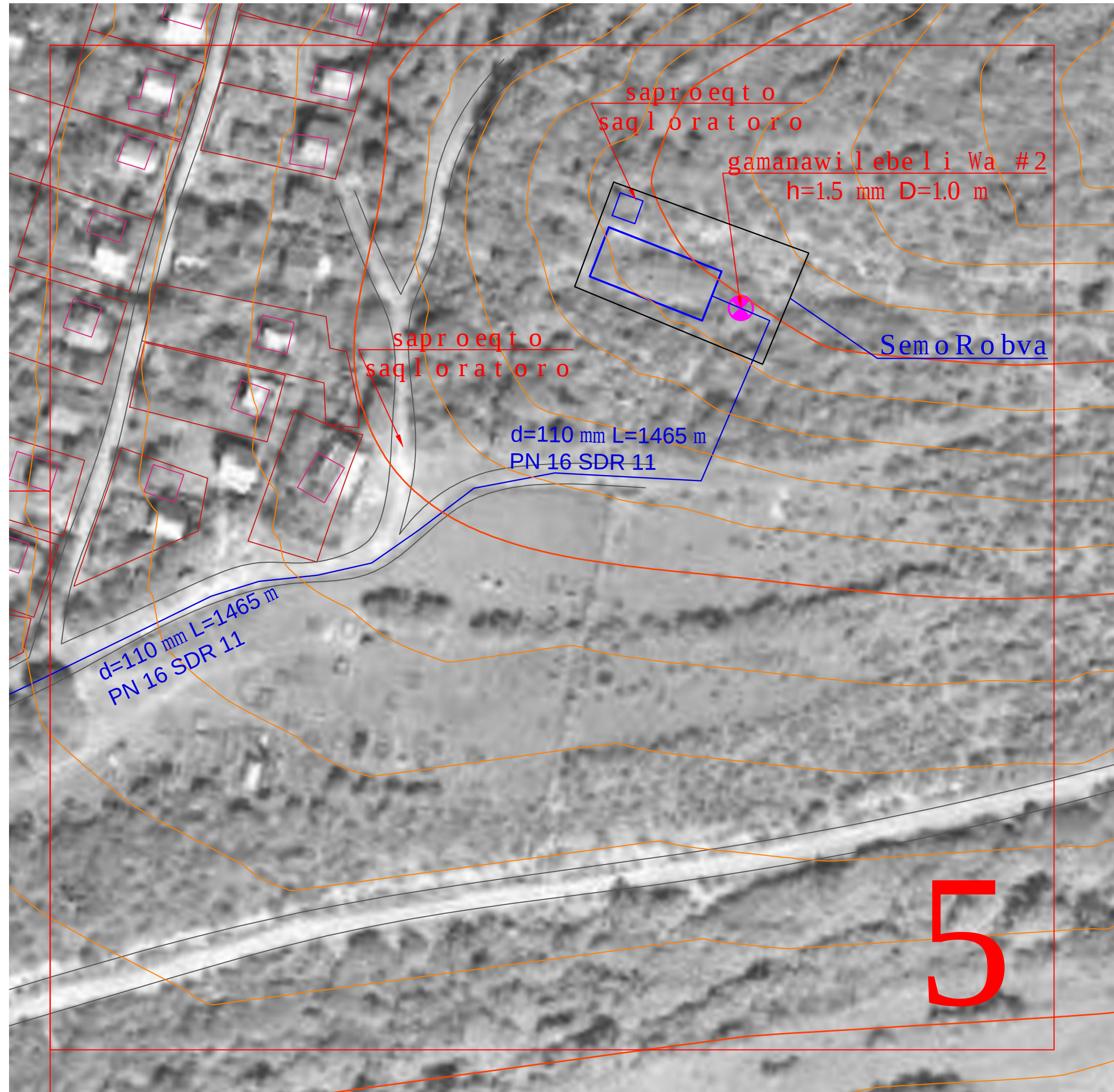
- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

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t e l . : +995 557 000 985				
www.hydro.ge				
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n a x a z i s d a s a x e l e b a				
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f a z a	m a s T a b i	z o m a	f u r c . N o	r e v i z .
p r	u m a S t a b o	s t a t u s i	8 / 14	01



- eqsp l i k a c i a
- s a p r o e q t o r e z e r v u a r i
- w y a l s a d e n i s q s e l i s k v a n Z i
- s a p r o e q t o p o l i e T i l e n i s
- m i l i P N 10 S D R 17
- m i l i s d a m x S o b i
- s a x a n Z r o h i d r a n t i
- ▨ s a p r o e q t o s a q l o r a t o r o
- m i l i s d i a m e t r e b i s
- m e q a n i k u r i g a d a m y v a n i

p r o e q t i s o f . q u b r i a n T k q r i s w y a l m o m a r a g e b a				
S e m s r u l e b e l i Sps "hidro" s a q a r T v e l o , q . T b i l i s i g o m i s # 2 s / k 404 424 155 t e l . : +995 557 000 985 w w w . h y d r o . g e				
p r o e q t i s m T a v a r i i n J i n e r i		29.05.2017 w		
c o t n e g i o r g a Z e		AutoCAD 2012		
n a x a z i s d a s a x e l e b a s o f . q u b r i a n T k a r i s w y a l s a d e n i s m a g i s t r a l u r i m i l s a d e n i s g e g m a # 4				
f a z a	m a s T a b i	z o m a	f u r c . N o	r e v i z .
pr	u m a S t a b o	pr	9 / 14	01



eqsp likacia

saproeqto rezervuari

wyalsadenis qselis kvanZi

— saproeqto polieTilenis
mili PN10 SDR 17

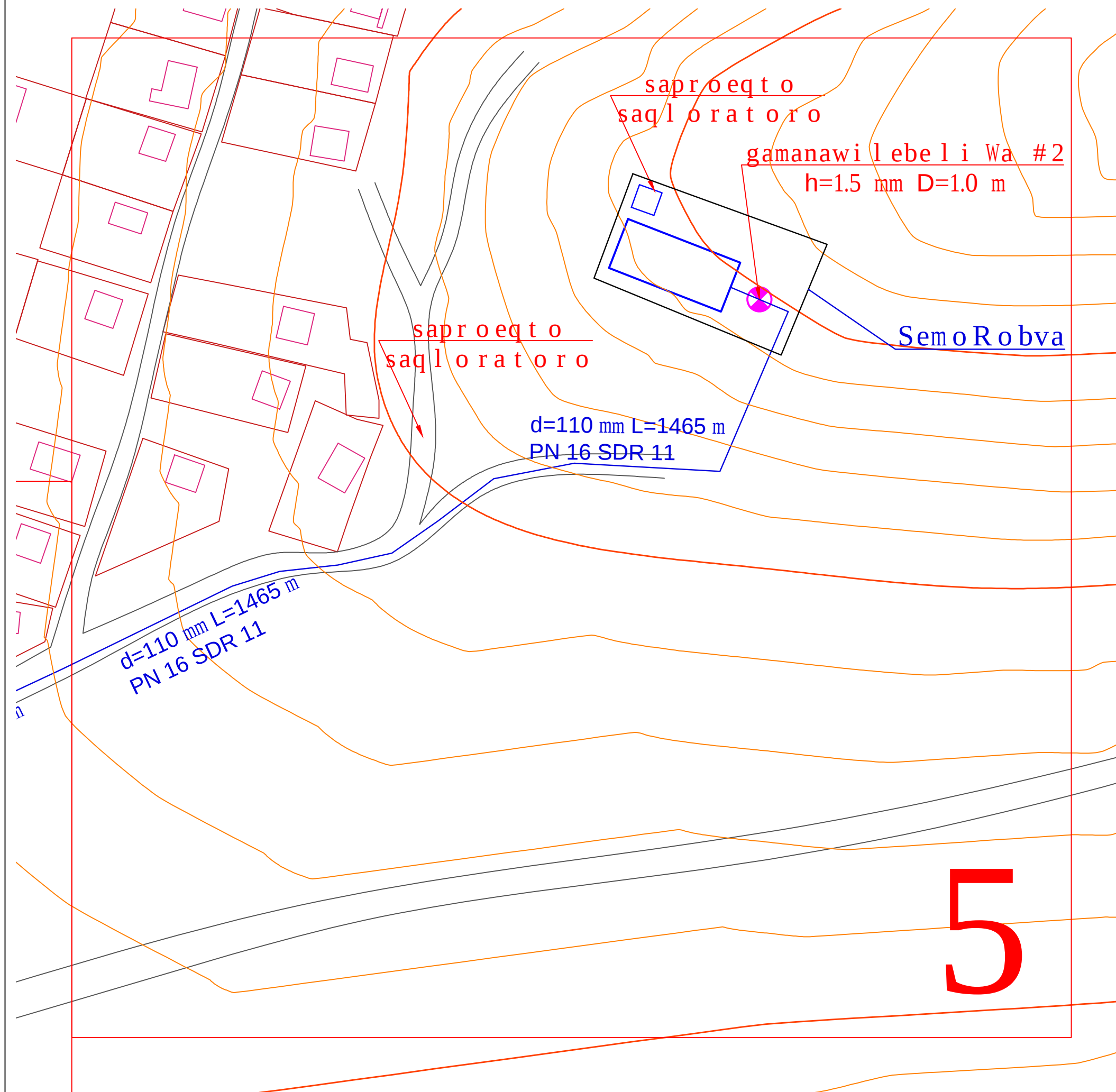
□ milis damxSobi

saxanZro hidranti

▨ saproeqto saqloratoro

milis diametrebis
meqanikuri gadamyvani

proeqti				
sof.qubrianTkqris wyal momarageba				
Semsrulebeli Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri		far. No. 05.2017 w		
cotne giorgaZe		CAD No. AutoCAD 2012		
naxazis dasaxeleba				
sof. qubrianTkaris wyalsadenis magistraluri milsadenis gegma #5				
faza	masStabi	zoma	furc. No	reviz.
pr	umaStabo	pr	10/14	01



eqsp likacia

saproeqto rezervuari

wyalsadenis qselis kvanZi

— saproeqto polieTilenis
mili PN10 SDR 17

□ milis damxSobi

saxanZro hidranti

▨ saproeqto saqloratoro

milis diametrebis
meqanikuri gadamyvani

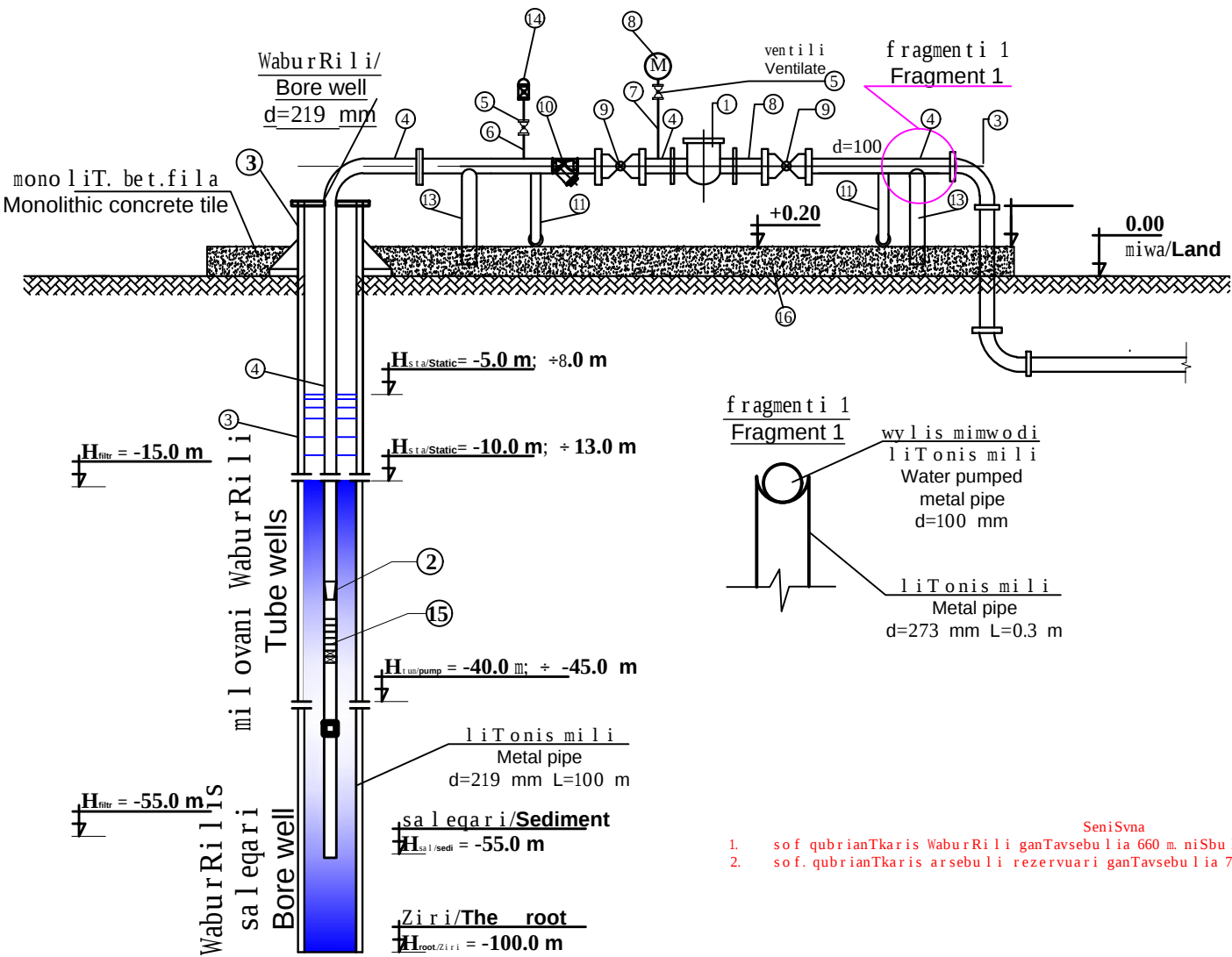
proeqti				
sof.qubrianTkqris wyal momarageba				
Semsrulebeli Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri		404424155 LTD GEORGIA-HYDRO LTD		
cotne giorgaZe		CAD № AutoCAD 2012		
naxazis dasaxeleba				
sof. qubrianTkqris wyalsadenis magistraluri milsadenis gegma #5				
faza	masStabi	zoma	furc. No	reviz.
pr	umaStabo	pr	11/14	01

WaburRilis mowyobis sqematuri naxazi

Wrili I-I

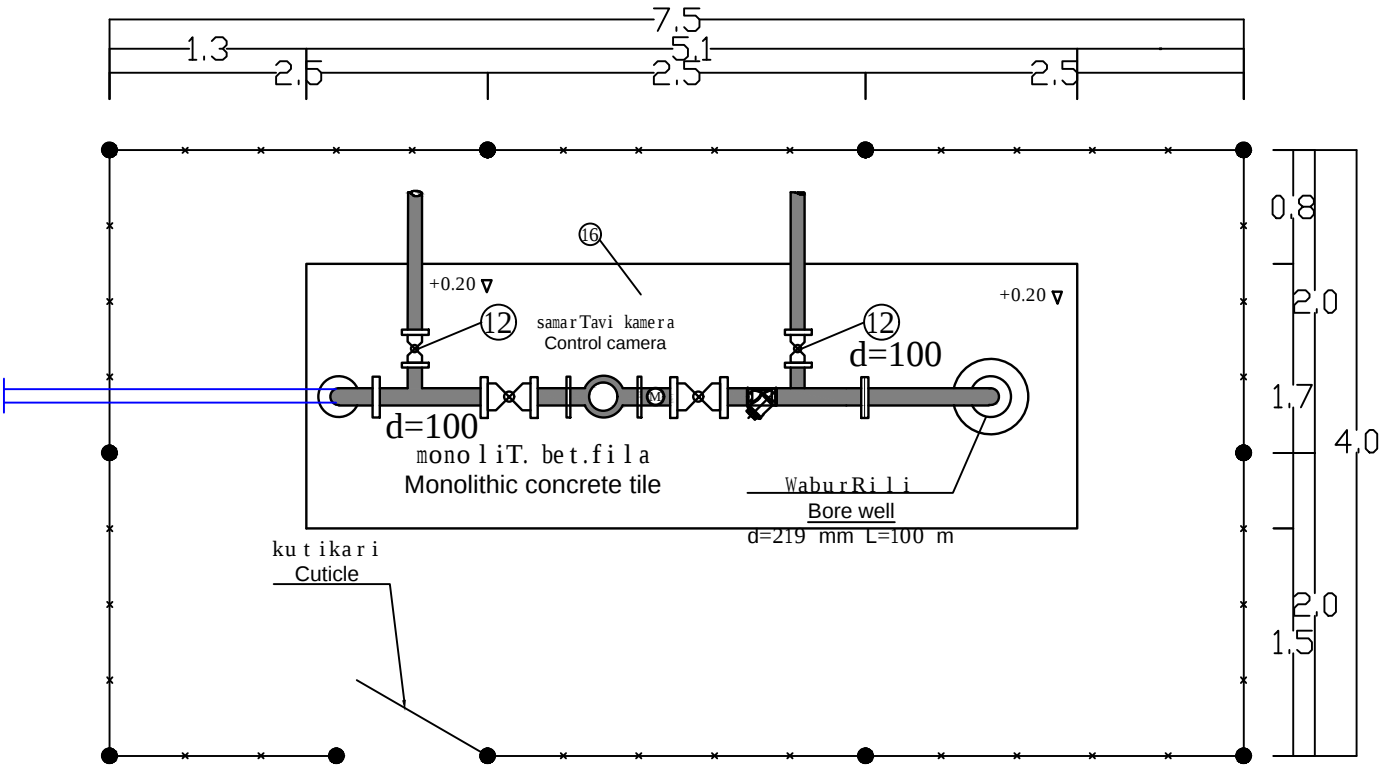
Schematic drawing of borehole arrangement

Cut I-I



WaburRilis ganTavsebis gegma

Bore placement plan



1. sof qubrianTkris WaburRili ganTavsebulia 660 m. niSbulze zRvis donidan
2. sof. qubrianTkris arsebuli rezervuari ganTavsebulia 749 m. niSnu lze zRvis donidan

specifikacia/Specification

#	dasaxe leba Title	zoma mm Size mm	ganzomileba Dimension	raoden oba Points	SeniSvna Note
1	2	3	4	5	8
1	wyalmozmi Water meter	80	komplekti/The set	1	
2	ukusarqveli Reverse	80	cali/Piece	1	
3	WaburRilis liTonis mili Bore metal pipe	219	m/m	100	
4	tumbos liTonis mili Pump metal pipe	76	m/m	50	
5	ventili Ventilate	15	cali/Piece	2	
6	liTonis mili Metal pipe	15	m/m	2	
7	gadasaxsneli foladis quro Taxable steel hull	76	cali/Piece	100	
8	manometri The manometer	15	komplekti/The set	1	
9	urduli foladis Cast iron PN=16	50	komplekti/The set	2	
10	filtri Filter	80	komplekti/The set	1	
11	mili foladis sadrenaJo, gadamRvrel i Pipe stainless steel drainage barrier	50	m/m	20	damcleli Defender
12	urduli foladis Cast iron PN=16	80	cali/Piece	2	
13	sayrdeni mili monaVeriT A tube pipe d=200; L=0.5	200	cali/Piece	2	
14	vantuzi ventili T Vanatus with vintage	50	komplekti/The set	1	
15	tumbo Pump		cali/Piece	1	
16	betonis fila Concrete tile 1.8X4.0X0.2 m W=1.44 m³		cali/Piece	1	

proeqti

sof.qubrianTkqris
wyalmomarageba

Semsrulebeli

Sps "hidro"
saqarTvelo,
q. Tbilisi gomis #2
s/k 404 424 155
tel.: +995 557 000 985
www.hydro.ge



proeqtis mTavari inJineri

cotne giorgaze

naxazis dasaxe leba

WaburRilis gegma da ganiviWrili

faza

masStabi

zoma

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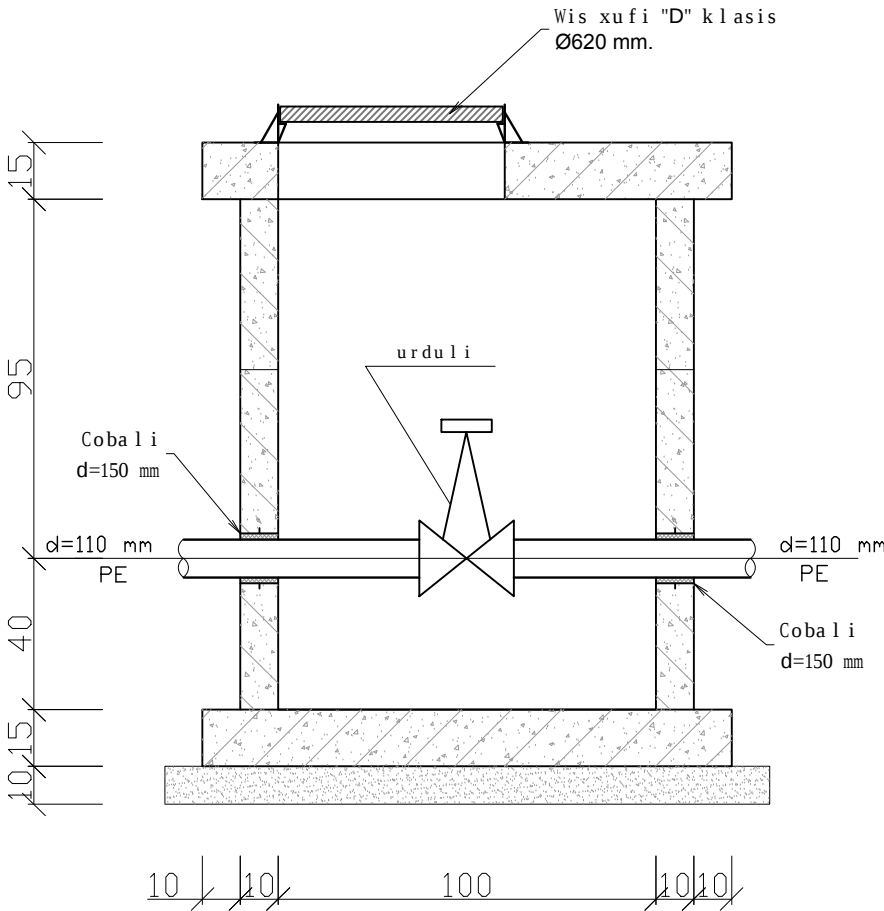
pr

12/14

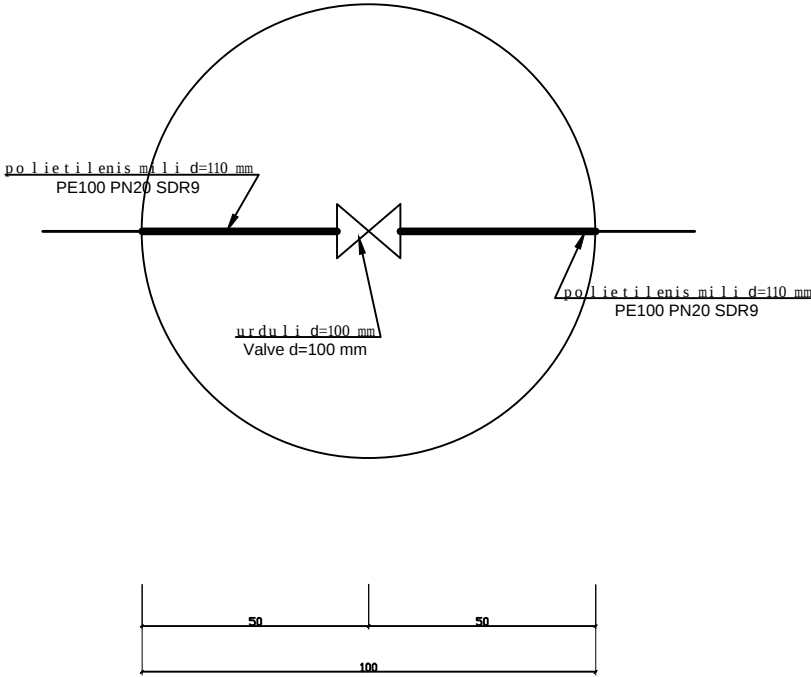
01

wyalsadenis Wa ganivi Wrili

D=1.0 m; H=1.5 m.



Wa #2

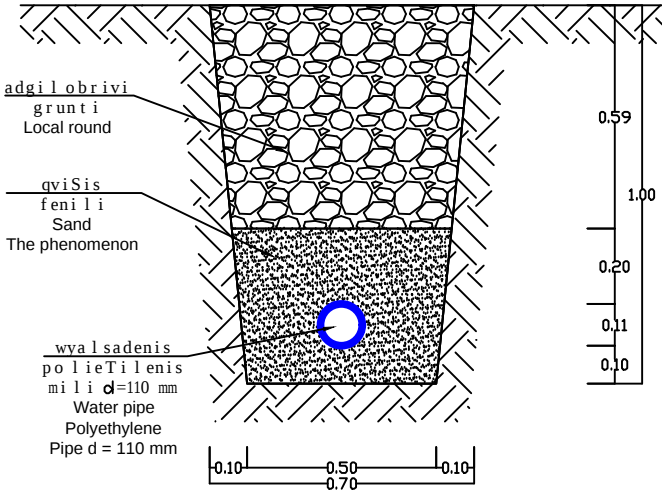


specifikacia

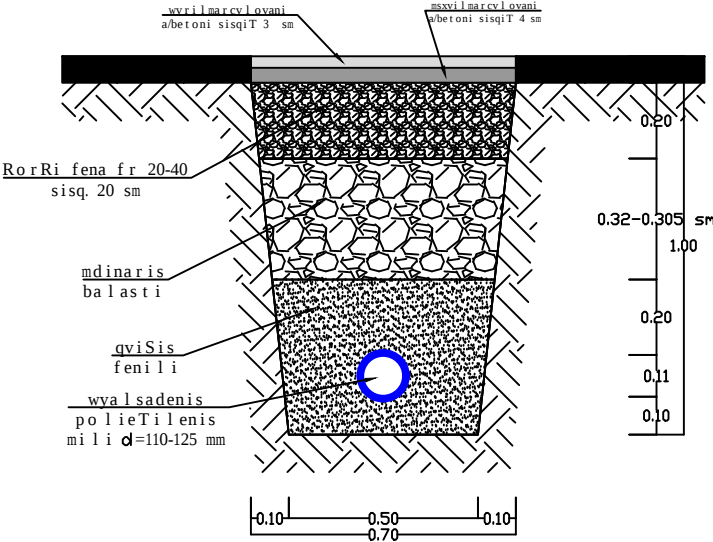
1. urduli d=100 mm 1 cali
2. mil tuCiT d=110 mm 2 cali
3. milyeli d=110 mm 2 cali
4. el.quro d=110 mm 2 cali

wyalsadenis milis tranSeis
ganivi Wrili d=110 mm

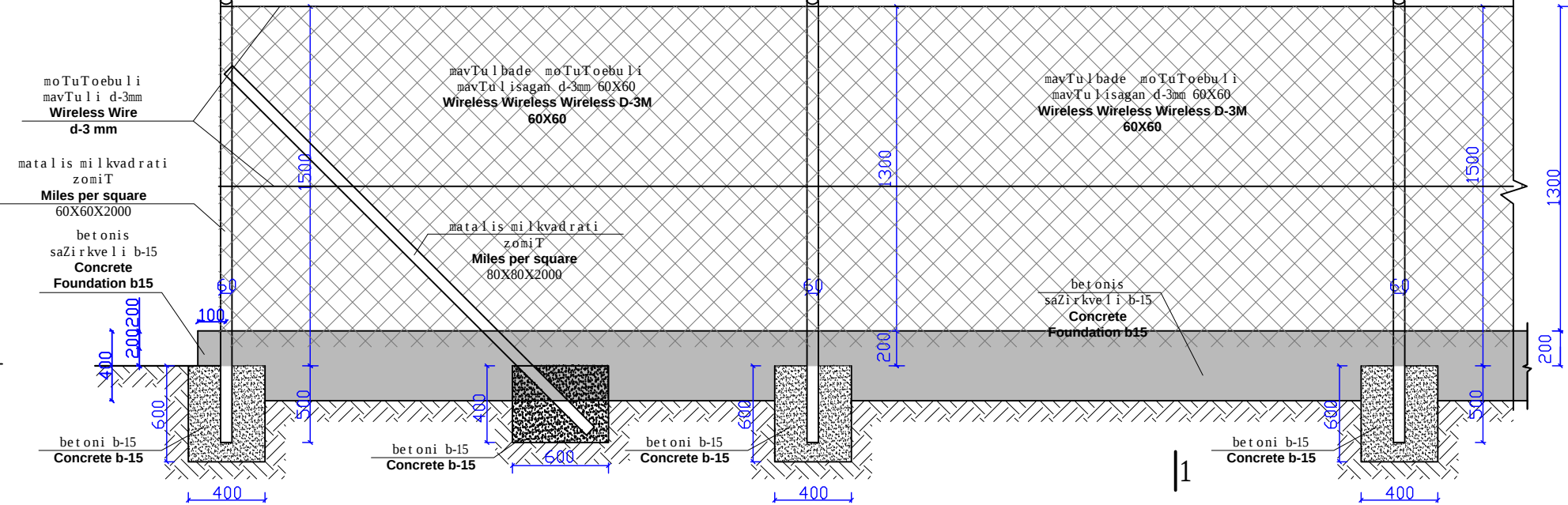
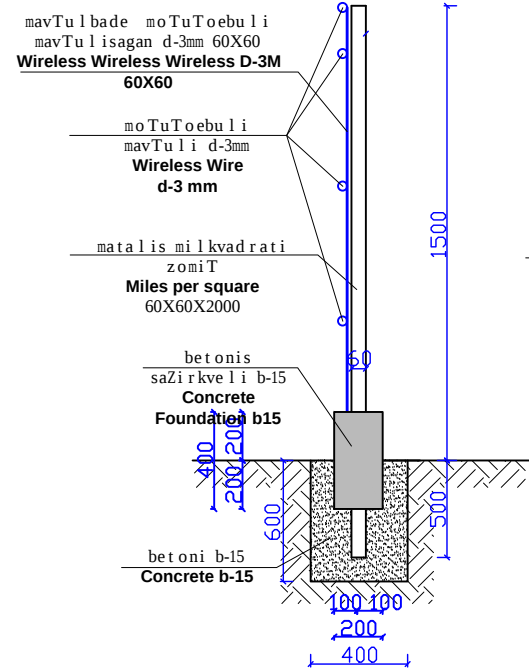
Water pipe transit
Cross section d = 110 mm



wyalsadenis milis tranSeis
ganivi Wrili d=110 mm



proeqti				
so f.qubr ianTkqris wya l moma rageba				
Sems rulebeli Sps "hidro" saqarTvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri				
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naxazis dasaxe leba				
wyalsadenis gamanawilebeli Wis gegma da ganivi Wrili miwis tranSeis Wrili				
faza	masStabi	zoma	furc. No	reviz.
pr	umaStabo	pr	13/14	01



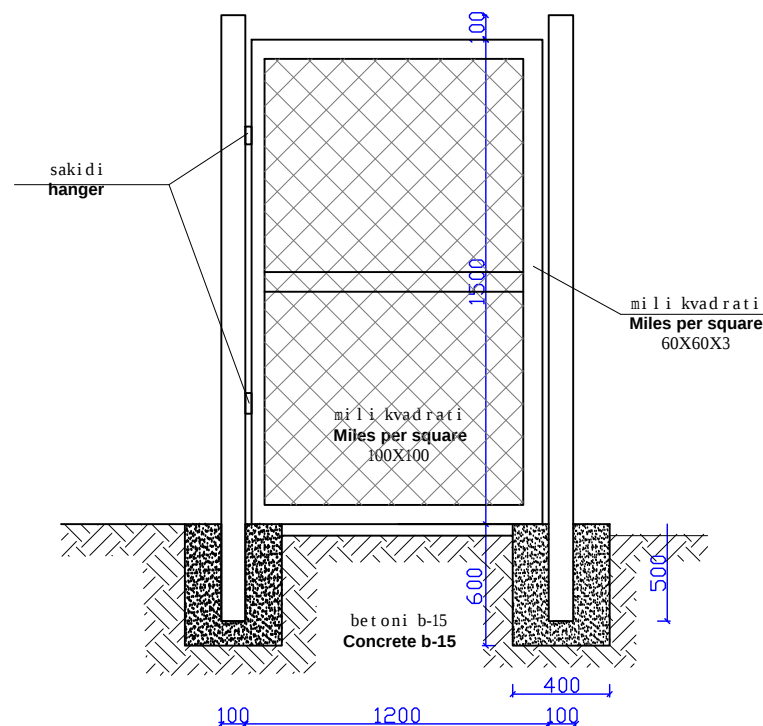
SeniSvna:

1. metalis milkvadratis sayrdeni moewyos moxvevis kuTxeebSi

Note:

1. Metallic mulquered basin should be arranged Cornering corners

qveiTTa Sesasvleli kari
fragmenti 2
Infantry entrance door
Fragment 2



samuSaoTa moculobis uwyisi
Sheet volume of works

№	samuSaoTa dasaxe leba Name of works	zoma mm Size mm	raoden oba Points	SeniSvna Note
1	2	3	4	5
1	ormoebis amoReba boZebis dayenebis adgilebSi Remove holes in pots	m³	1.83	
2	saZirkvlis lenturi Txrilis mowyoba xeliT The arrangement of a lentic trench by hand	m³	0.92	
3	ormoebis Sevseba betoniT Bb-15 Filling the poles with concrete b-15	m³	1.83	
4	metal is milkvadratis boZebis mowyoba betonSi h=2.0 m Arrangement of metallic molecular poles in concrete h = 2.0 m	cali Piece	11	
5	betonis saZirkvlisa da zeZirkvlis mowyoba Arrangement of concrete foundation and grounding	m³	1.84	
6	mavTulbadis mowyoba d-3mm 60X60 Wire arrangement d-3 mm 60X60	m²	34.5	
7	karebisa da Robis dgarebis mowyoba milkvadratisgan 60X60 Setting the doors and fence stands 60X60 from the millers	m	21	
8	metal is konstruqciebis SeRebva antikoroziiuli saRebaviT 2-jer Painting metal constructions with anticorrosion paint 2 times	kg	3	

proeqti				
sof.qubrianTkqris wyal momarageba				
Semsrulebeli Sps "hidro" saqartvelo, q. Tbilisi gomis #2 s/k 404 424 155 tel.: +995 557 000 985 www.hydro.ge				
proeqtis mTavari inJineri				
cotne giorgaze				
naxazis dasaxe leba				
WaburRilis SemoRobvis tipiuri naxazi				
faza	masStabi	zoma	furc. No	reviz.
pr	umaStabo	pr	14/14	01