

ƏLAVƏ 6

ŞƏBƏKƏNİN DİSTRİBÜTORLUĞUNUN ESKİZİ (NÜMUNƏ)

DISTRIBUTION NETWORK DRAWING







KHACHMAZ + KOHNE KHACHMAZ + QARAQURTLU XAÇMAZ + KÖHNƏ XAÇMAZ + QARAQURTLU	Code
Key Plan	SU-XAC 10-01
Network Plan	SU-XAC 10-02(01)
Network Plan	SU-XAC 10-02(02)
Network Plan	SU-XAC 10-02(03)
Network Plan	SU-XAC 10-02(03a)
Network Plan	SU-XAC 10-02(03b)
Network Plan	SU-XAC 10-02(04)
Network Plan	SU-XAC 10-02(05)
Network Plan	SU-XAC 10-02(06)
Network Plan	SU-XAC 10-02(07)
Network Plan	SU-XAC 10-02(08)
Network Plan	SU-XAC 10-02(09)
Network Plan	SU-XAC 10-02(10)
Network Plan	SU-XAC 10-02(11)
Network Plan	SU-XAC 10-02(12)
Network Plan	SU-XAC 10-02(13)
Network Plan	SU-XAC 10-02(14)
Network Plan	SU-XAC 10-02(15)
Network Plan	SU-XAC 10-02(16)
Network Plan	SU-XAC 10-02(17)
Network Plan	SU-XAC 10-02(18)
QOBUQIRAN QOBUQIRAN	Code
Network Plan	SU-XAC 10-03
QARACI QARAÇI	Code
Network Plan	SU-XAC 10-04(01)
Network Plan	SU-XAC 10-04(02)
ARMUDPADAR ARMUDPADAR	Code
Network Plan	SU-XAC 10-05

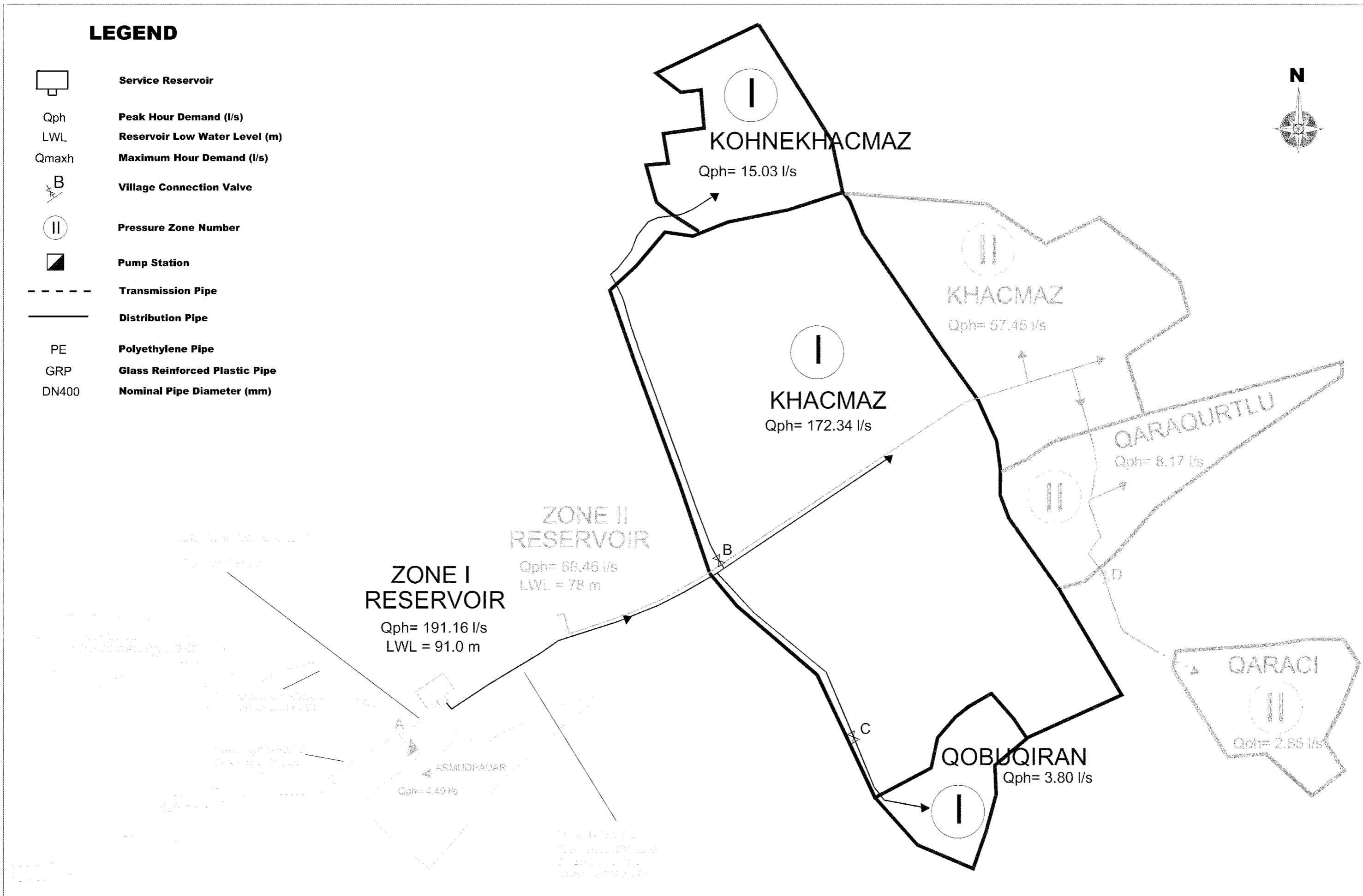
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Key Plan (2/3)	SU-QUS 10-01(02)
Key Plan (3/3)	SU-QUS 10-01(03)
Network Plan	SU-QUS 10-02(01)
Network Plan	SU-QUS 10-02(02)
Network Plan	SU-QUS 10-02(03)
Network Plan	SU-QUS 10-02(04)
Network Plan	SU-QUS 10-02(05)
Network Plan	SU-QUS 10-02(06)
Network Plan	SU-QUS 10-02(07)
Network Plan	SU-QUS 10-02(08)
Network Plan	SU-QUS 10-02(09)
KOHNEXHUDAT KÖHNƏ XUDAT	Code
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Network Plan	SU-QUS 10-03(02)
Network Plan	SU-QUS 10-03(03)
Network Plan	SU-QUS 10-03(04)
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BALAGUSAR + HASANQALA BALAQUSAR + HƏSƏNQƏLƏ	Code
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Network Plan	SU-QUS 10-04(02)
Network Plan	SU-QUS 10-04(03)
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Network Plan	SU-QUS 10-04(05)
Network Plan	SU-QUS 10-04(06)
YUKARI LEGER YUXARI LƏYƏR	Code
Network Plan	SU-QUS 10-05
CILEGIR ÇİLƏGİR	Code
Network Plan	SU-QUS 10-06(01)
Network Plan	SU-QUS 10-06(02)

KHACHMAZ

XAÇMAZ

LEGEND

-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- Qmaxh** **Maximum Hour Demand (l/s)**
-  **Village Connection Valve**
-  **Pressure Zone Number**
-  **Pump Station**
-  **Transmission Pipe**
-  **Distribution Pipe**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- DN400** **Nominal Pipe Diameter (mm)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Khachmaz

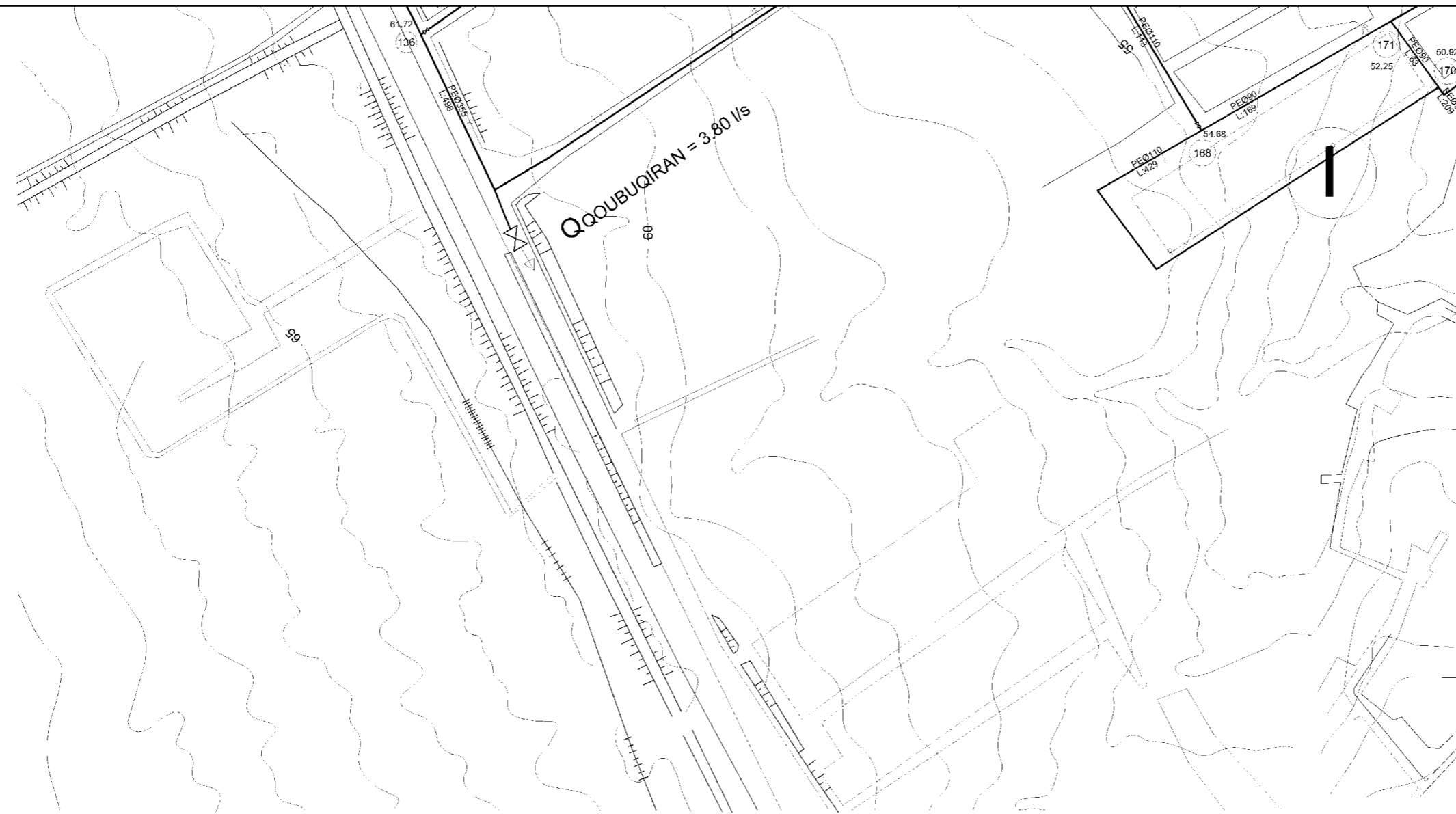
Facility :
Distribution Network

Title :
Key Plan








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Original Size of Paper:
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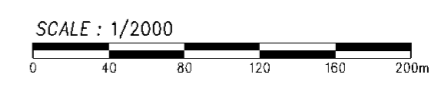
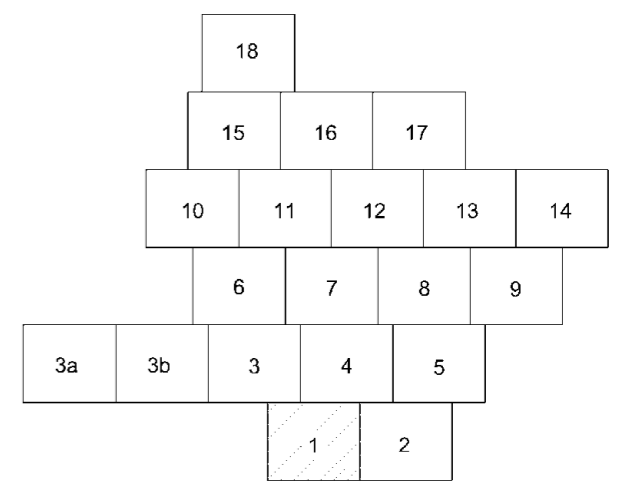
Category - City
SU-XAC-
Date
December 2009

Facility Code - Number
10-01
Revision Number
Rev.0

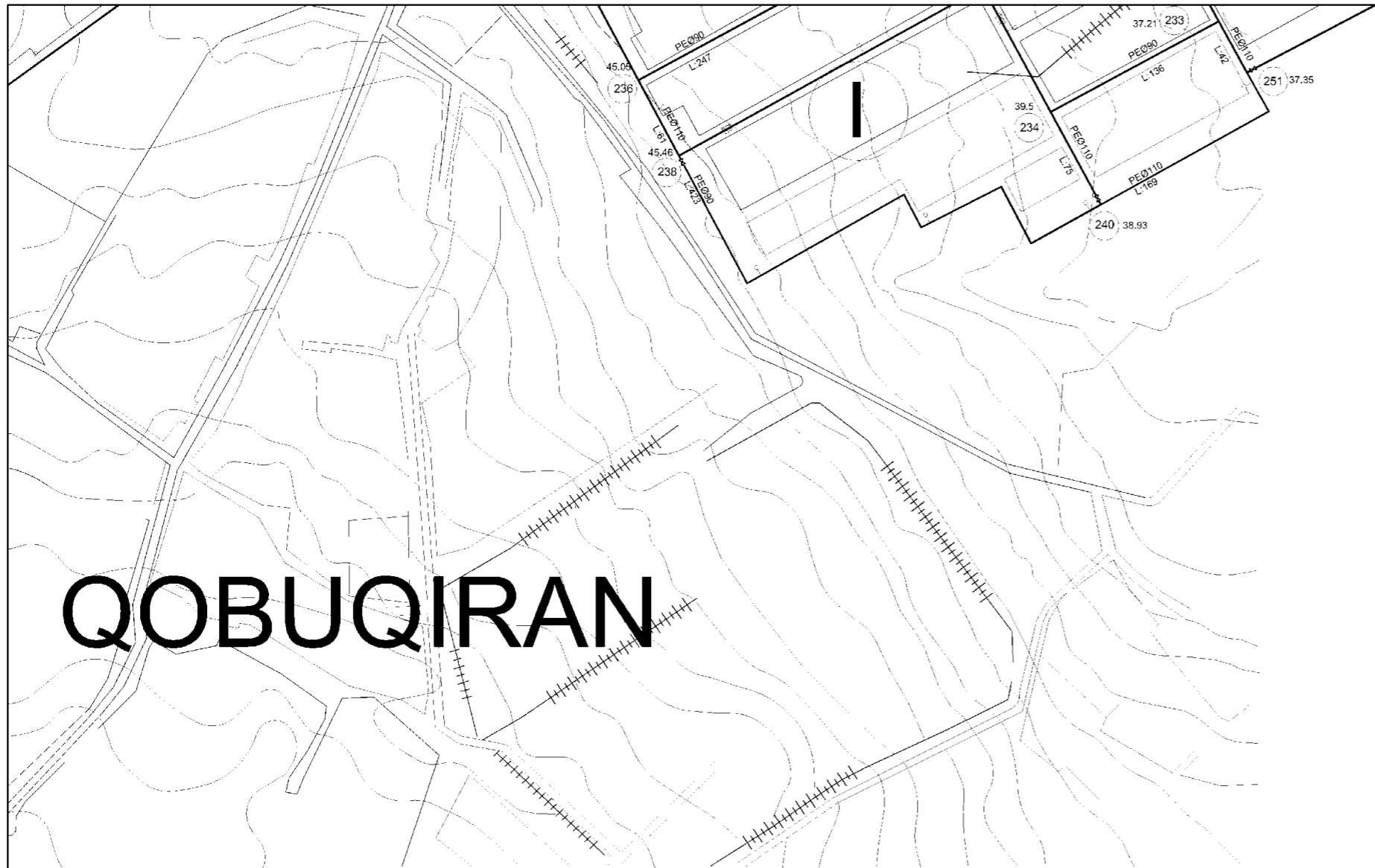


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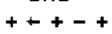




-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
- GRP** Glass Reinforced Plastic Pipe
- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)



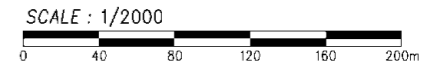
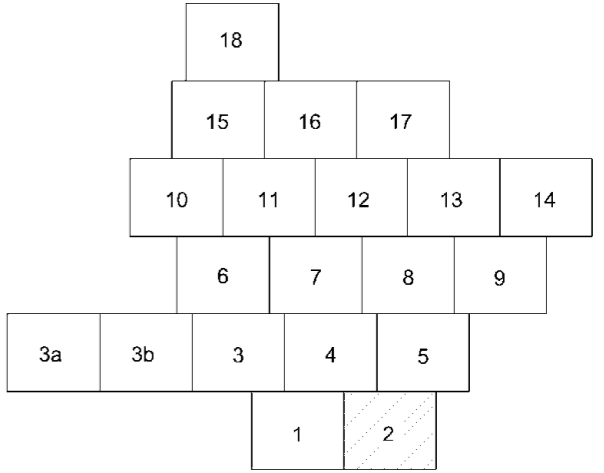
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	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	1/2000	SU-XAC-	10-02(1)
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					A1	December 2009	Rev.0



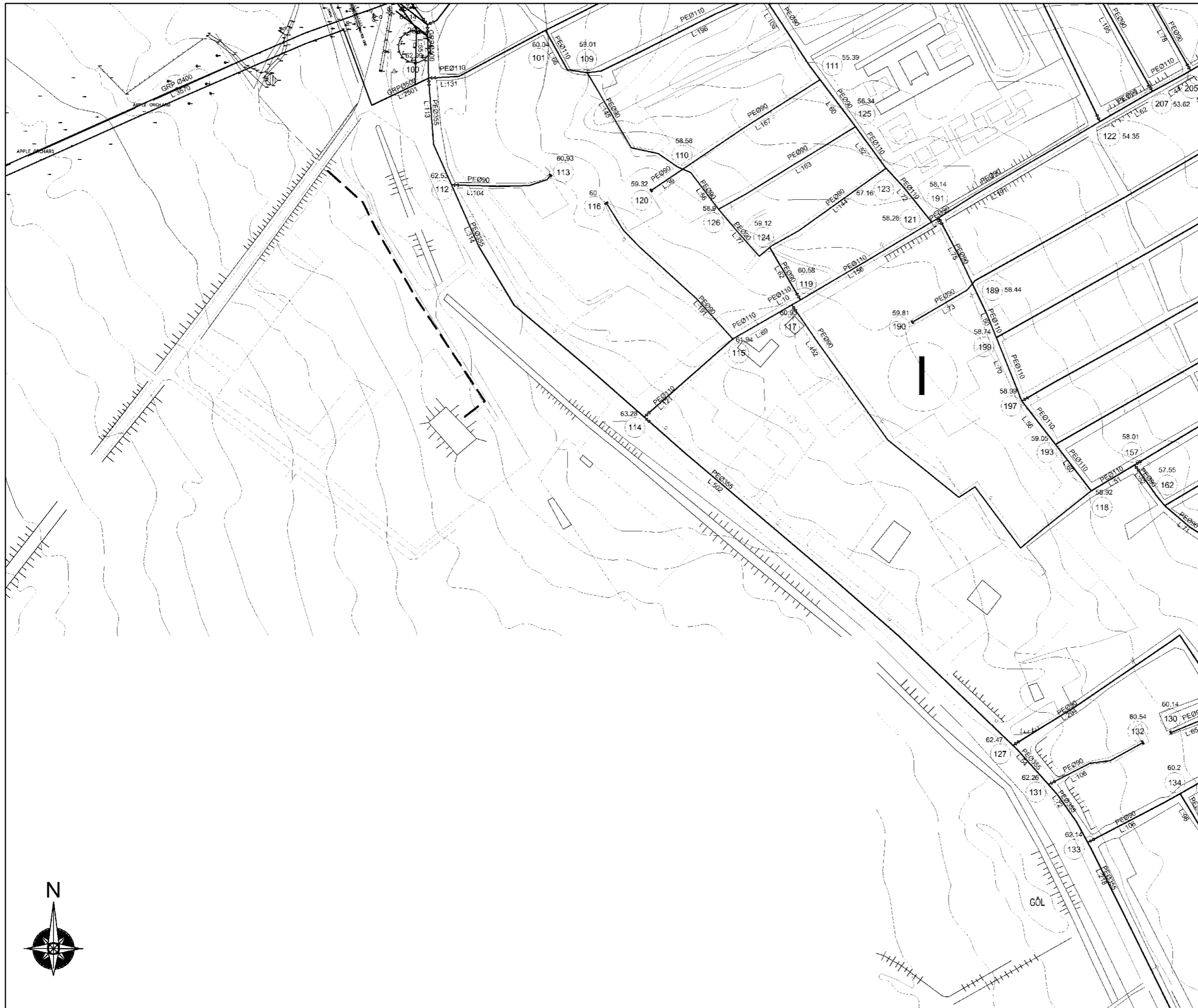
LEGEND

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QOBUQIRAN

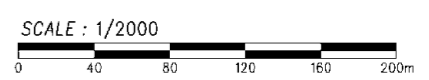
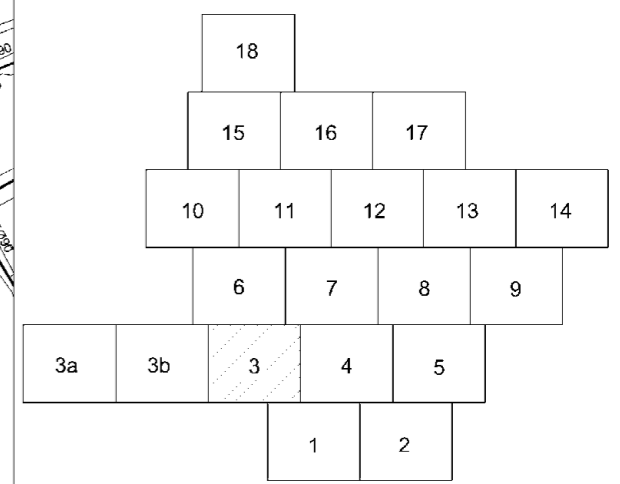


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Facility:	Title :	Scale of Drawing:	Category - City	Facility Code - Number
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					A1	December 2009	Rev.0





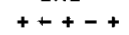




LEGEND

- Pressure Zone Number
- Service Reservoir
- Qph Peak Hour Demand (l/s)
- LWL Reservoir Low Water Level (m)
- + + + - + Transmission Pipe
- Distribution Pipe
- |— Line Valve
- Fire Hydrant
- Zone Node Number
- 35.49 Node Elevation (m)
- PE Polyethylene Pipe
- GRP Glass Reinforced Plastic Pipe
- Ø400 Nominal Pipe Diameter (mm)
- L:13 Pipe Length (m)

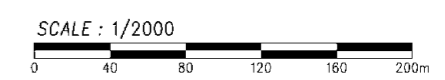
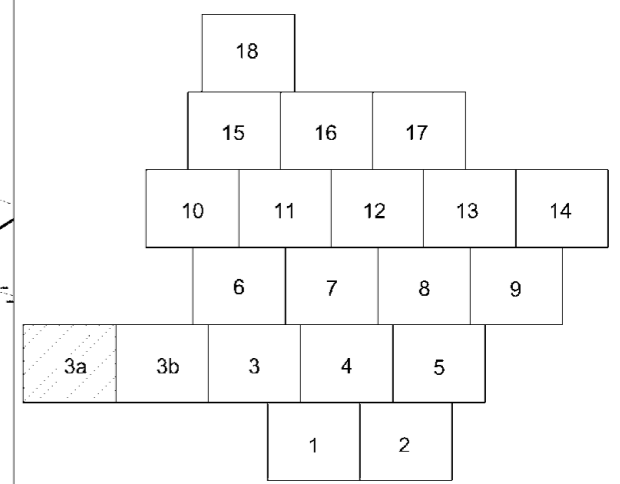
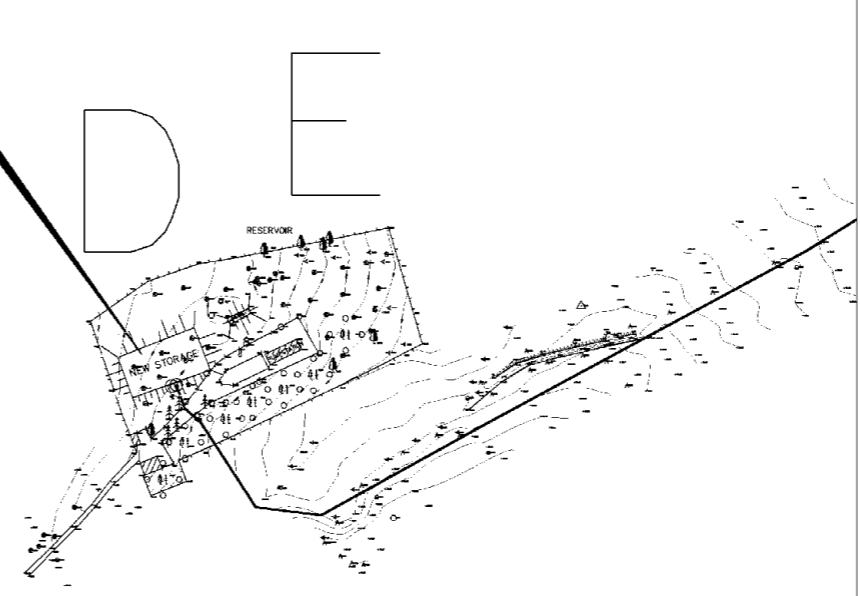


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan		Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan		Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	December 2009	10-02(3) Rev.0

LEGEND

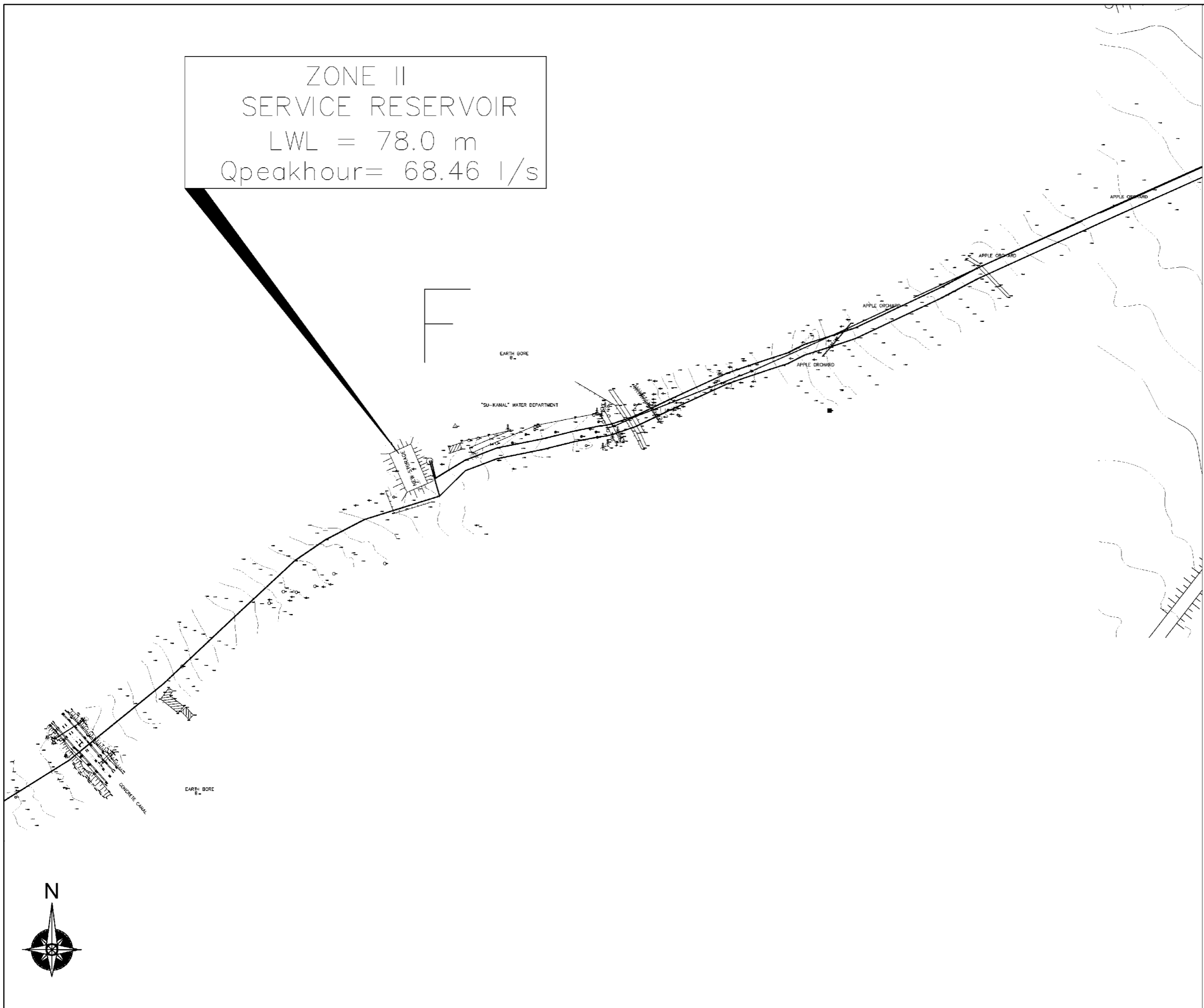
-  Pressure Zone Number
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-  Transmission Pipe
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ZONE I
 SERVICE RESERVOIR
 LWL = 91.0 m
 Qpeakhour= 191.16 l/s



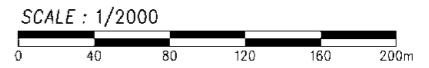
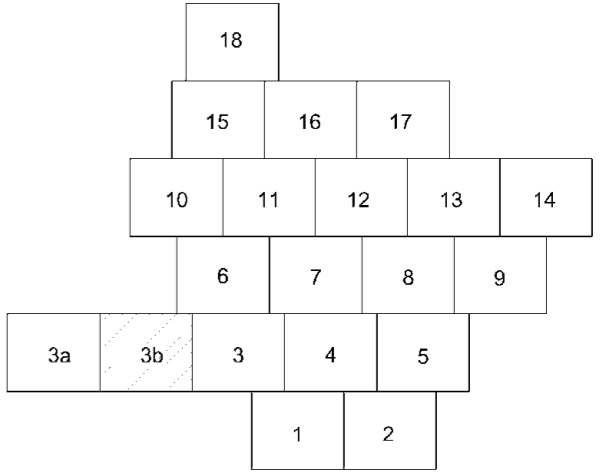
SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code -
	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	Date: December 2009	Number: SU-XAC-10-02(3a)

ZONE II
 SERVICE RESERVOIR
 LWL = 78.0 m
 Qpeakhour= 68.46 l/s



LEGEND

- Pressure Zone Number
- Service Reservoir
- Peak Hour Demand (l/s)
- Reservoir Low Water Level (m)
- Transmission Pipe
- Distribution Pipe
- Line Valve
- Fire Hydrant
- Zone Node Number
- Node Elevation (m)
- Polyethylene Pipe
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- Nominal Pipe Diameter (mm)
- Pipe Length (m)



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AZERSU JOINT STOCK COMPANY,
 the Republic of Azerbaijan
 Japan International Cooperation Agency
 (JICA), Japan

Site :
 Khachmaz

Facility:
 Distribution Network



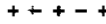

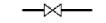


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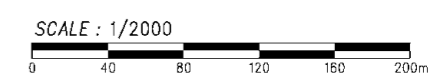
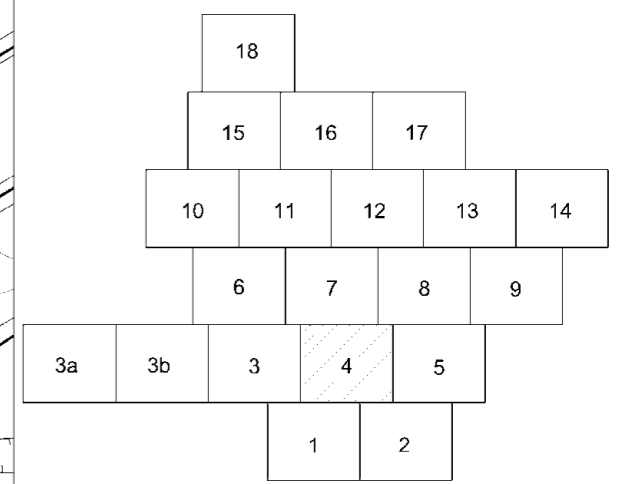
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Category - City Facility Code - Number
SU-XAC-10-02(3b)
 Date: December 2009
 Revision Number: Rev.0



LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

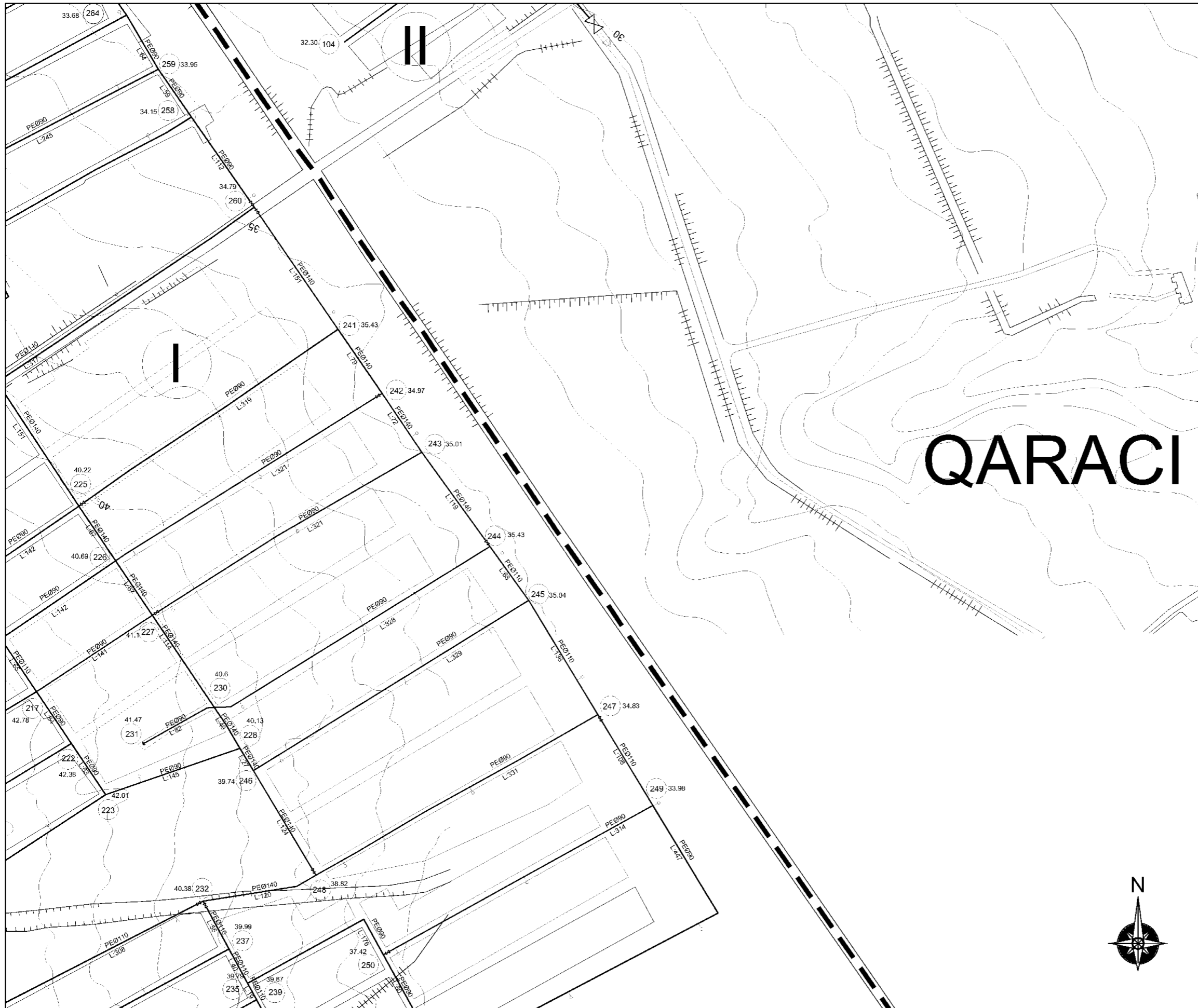
Site :
Khachmaz

Facility:
Distribution Network








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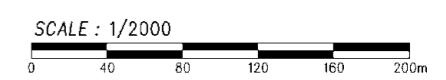
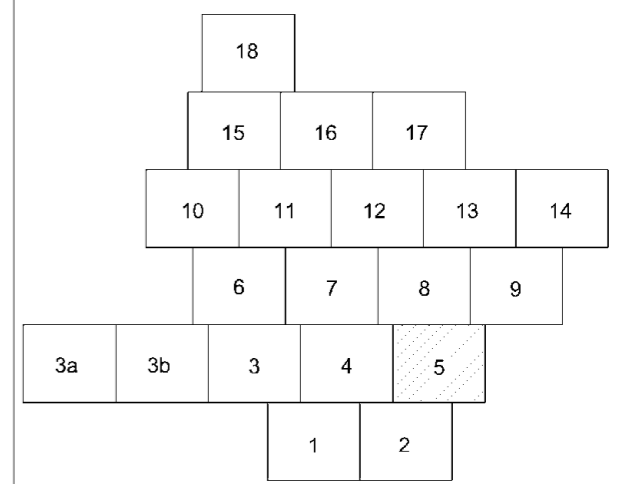
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SU-XAC-	10-02(4)
Date	Revision Number
December 2009	Rev.0



LEGEND








-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
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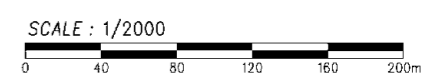
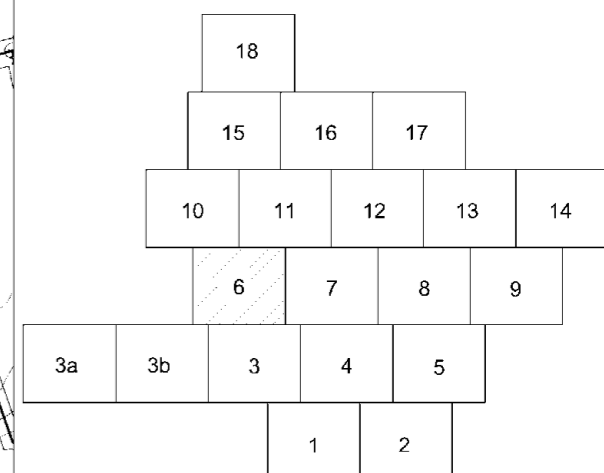


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code -
	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	December 2009	Number 10-02(5) Revision Number Rev.0



LEGEND

-  Pressure Zone Number
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AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Khachmaz

Facility:
Distribution Network








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Network Plan

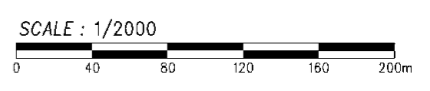
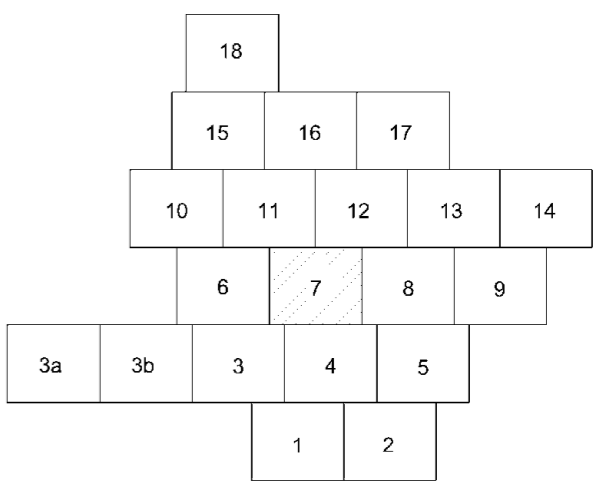
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Category - City	Facility Code - Number
SU-XAC-	10-02(6)
Date	Revision Number
December 2009	Rev.0

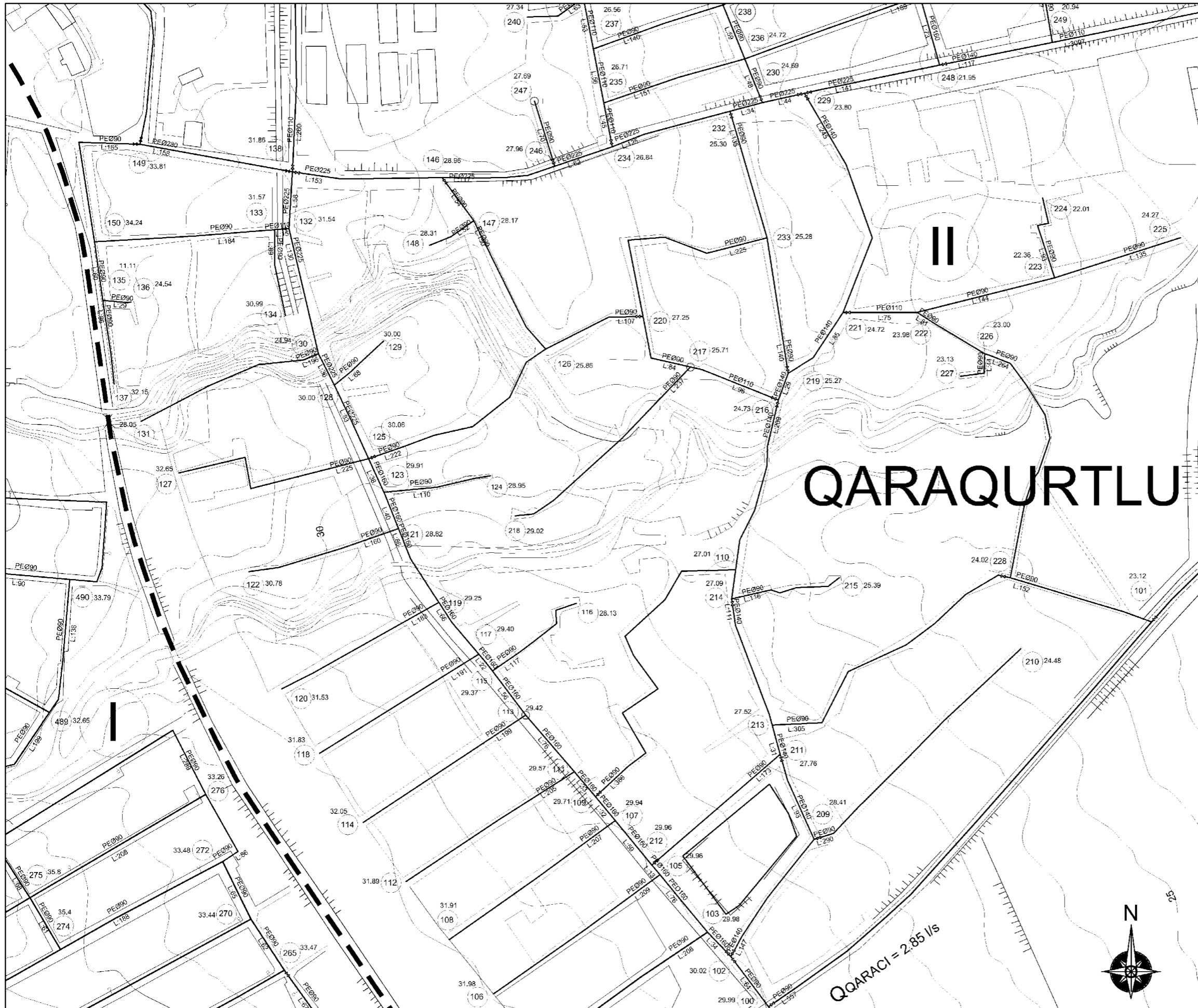


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




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-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
- GRP** Glass Reinforced Plastic Pipe
- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)



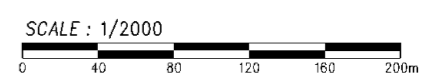
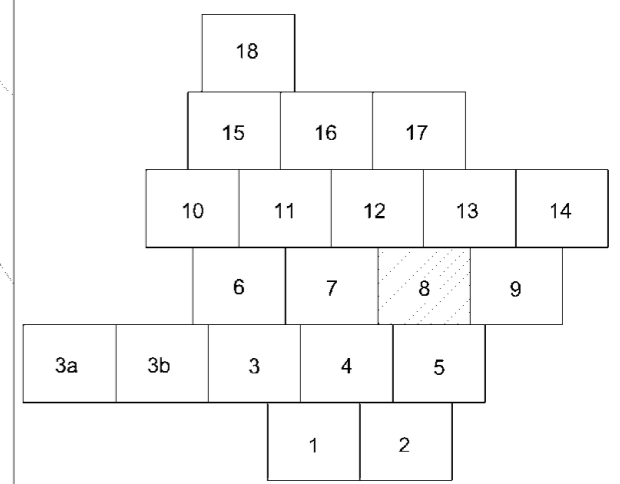
SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code -
	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	December 2009	Number SU-XAC-10-02(7) Revision Number Rev.0



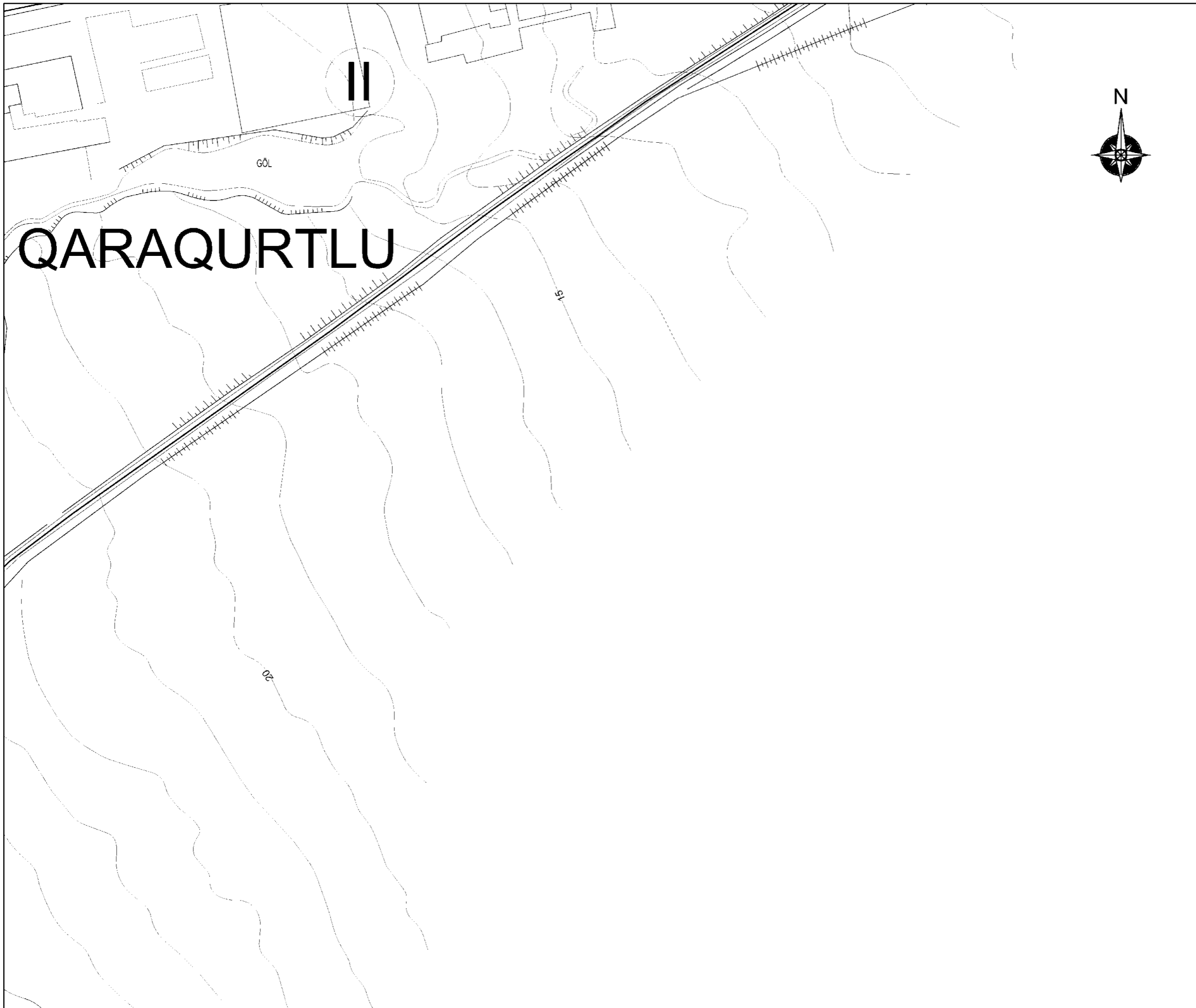
LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
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
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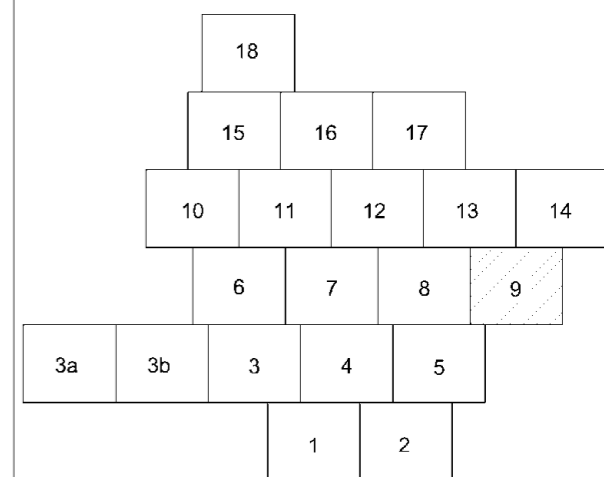


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	December 2009	SU-XAC-10-02(8) Revision Number Rev.0

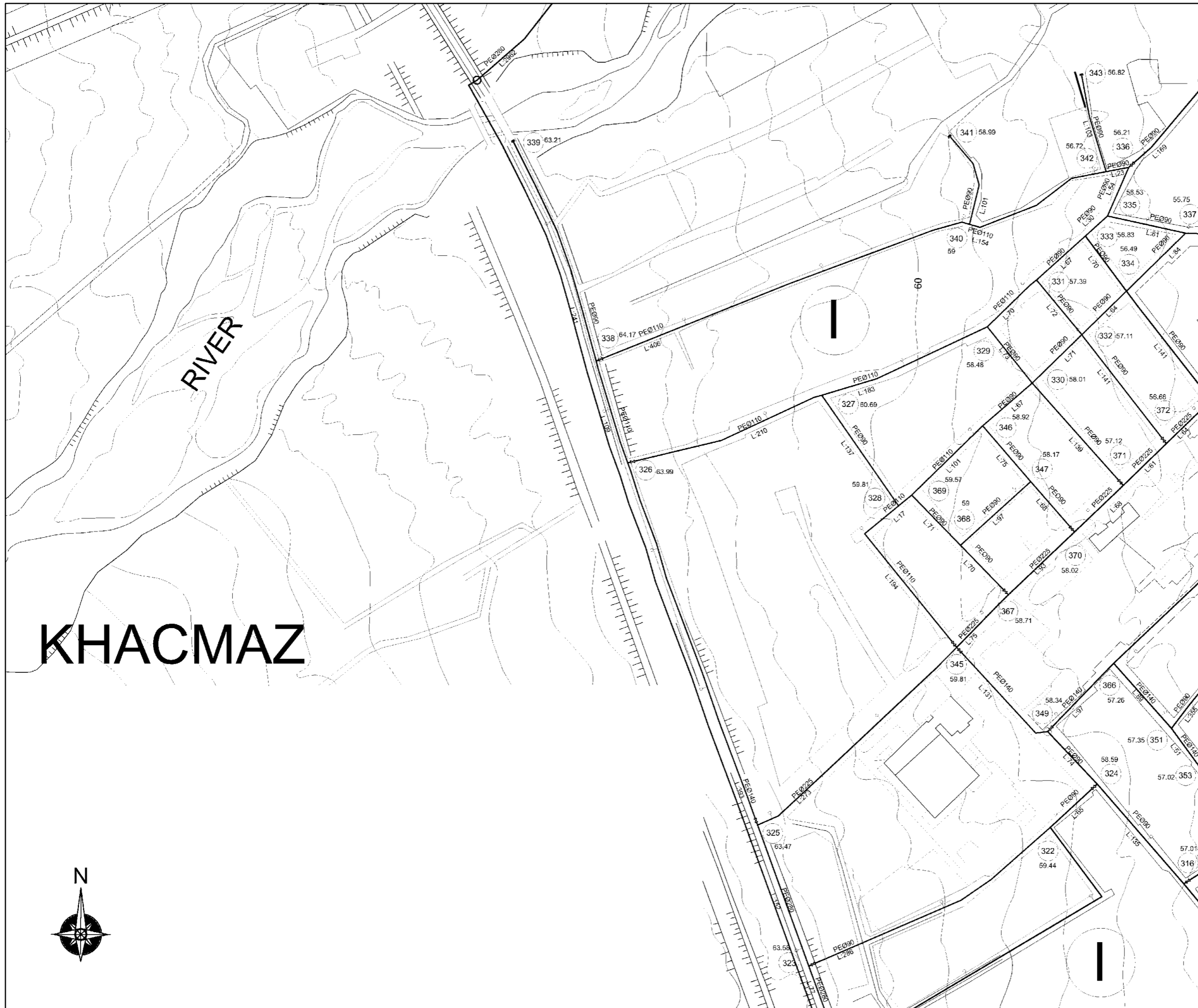


LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
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- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)










SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan	Khachmaz	Distribution Network	Network Plan	1/2000	SU-XAC-	10-02(9)
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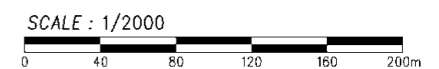
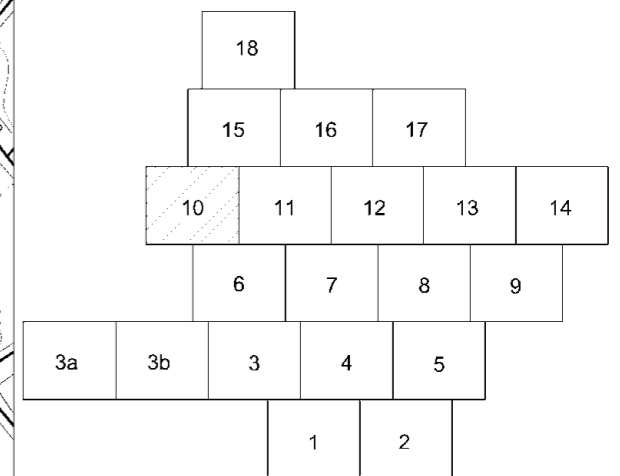


KHACMAZ



LEGEND

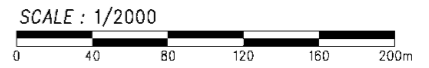
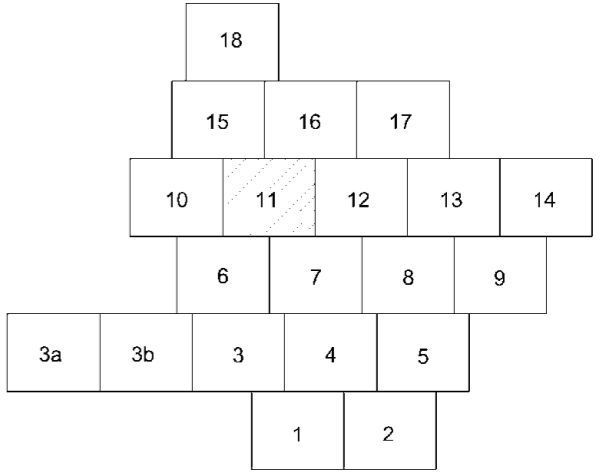
-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
- GRP** Glass Reinforced Plastic Pipe
- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)



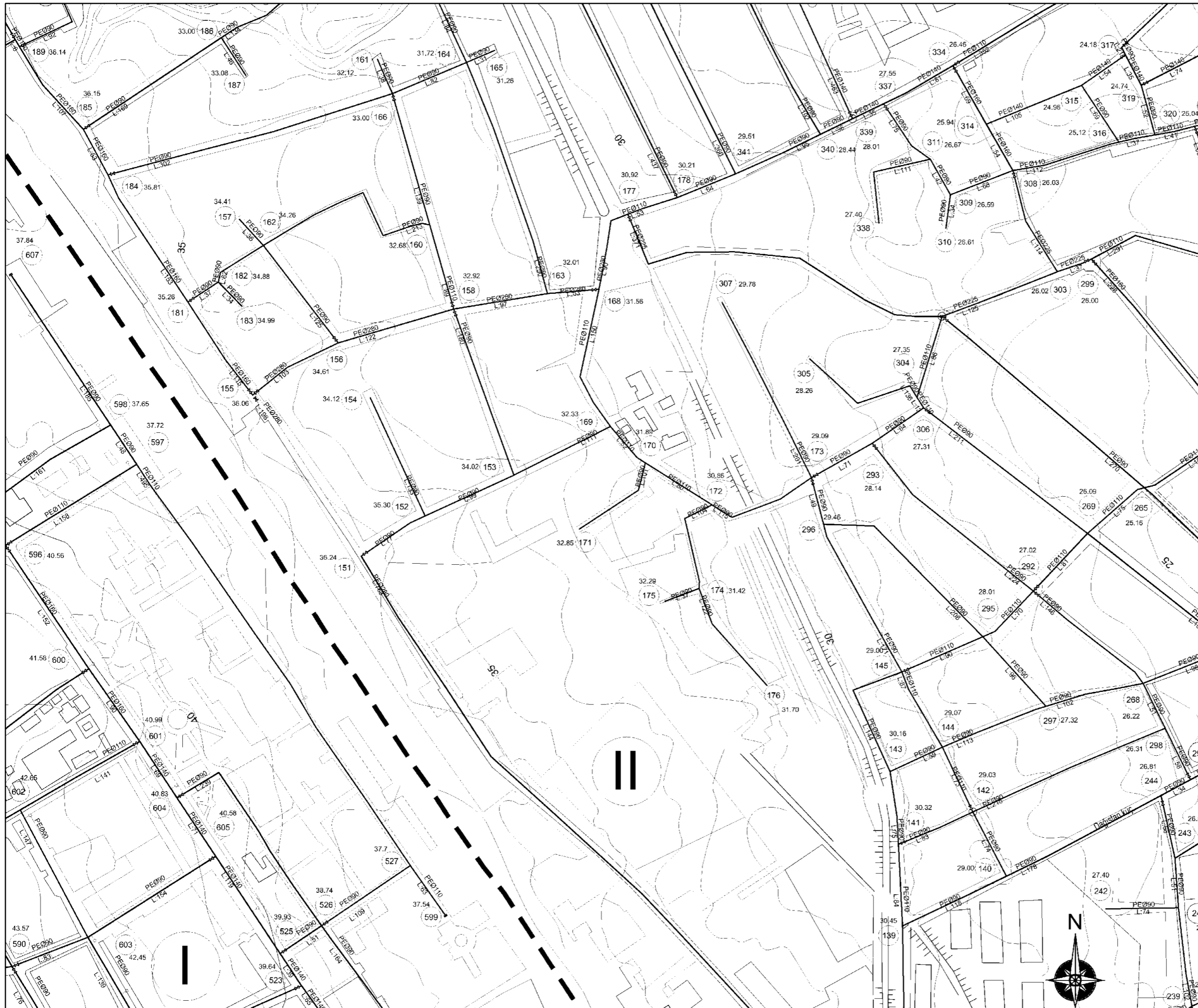
SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Facility:	Title :	Scale of Drawing:	Category - City	Facility Code - Number
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					Original Size of Paper:	Date	Revision Number
					A1	December 2009	Rev.0










- ### LEGEND
- Pressure Zone Number
 - Service Reservoir
 - Qph** Peak Hour Demand (l/s)
 - LWL** Reservoir Low Water Level (m)
 - Transmission Pipe
 - Distribution Pipe
 - Line Valve
 - Fire Hydrant
 - 502** Zone Node Number
 - 35.49** Node Elevation (m)
 - PE** Polyethylene Pipe
 - GRP** Glass Reinforced Plastic Pipe
 - Ø400** Nominal Pipe Diameter (mm)
 - L:13** Pipe Length (m)

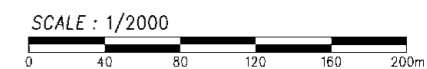
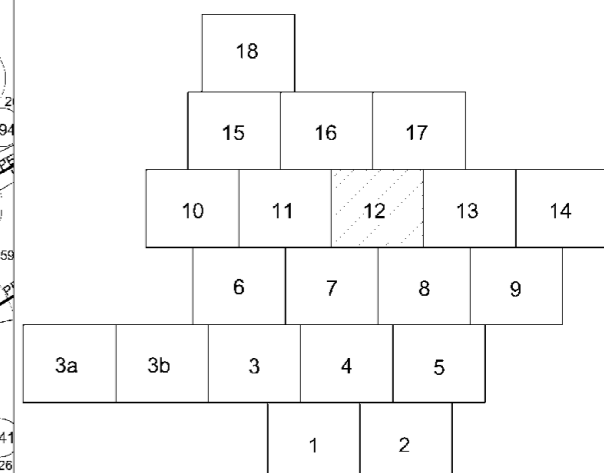


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan		Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code - Number
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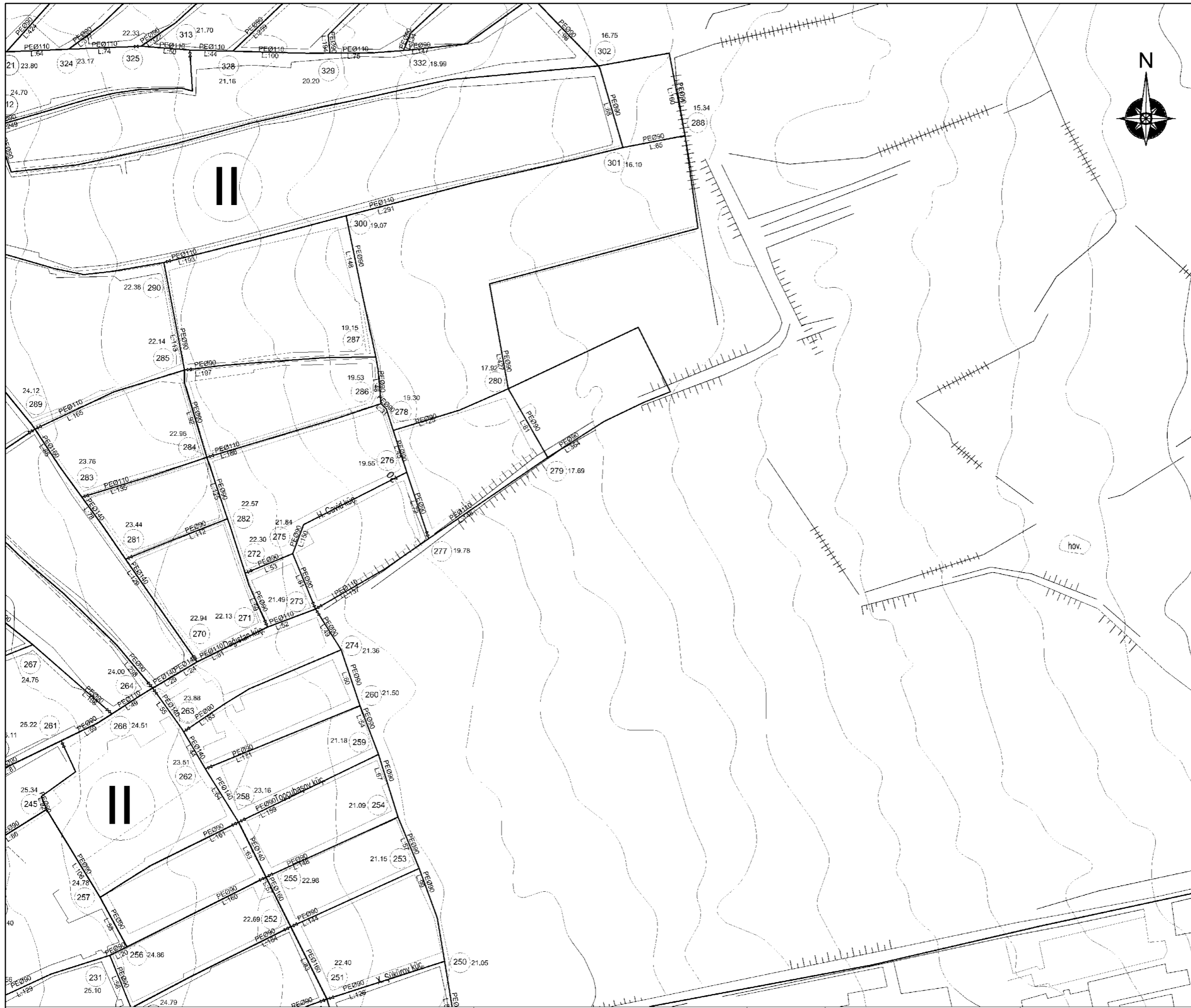


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




-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
- GRP** Glass Reinforced Plastic Pipe
- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)

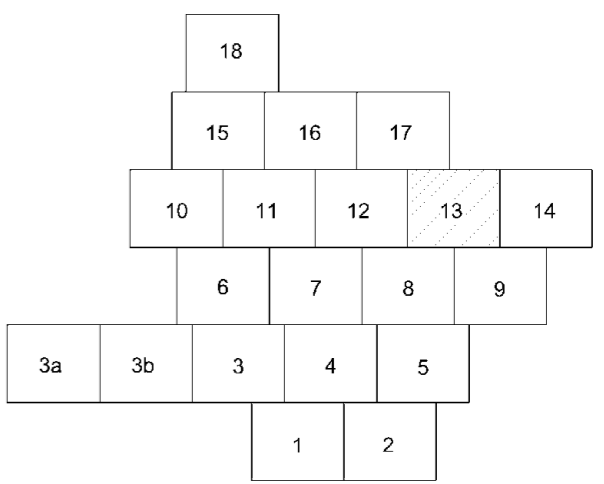


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan		Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan		Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	December 2009	SU-XAC-10-02(12)



LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
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- Ø400** Nominal Pipe Diameter (mm)
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

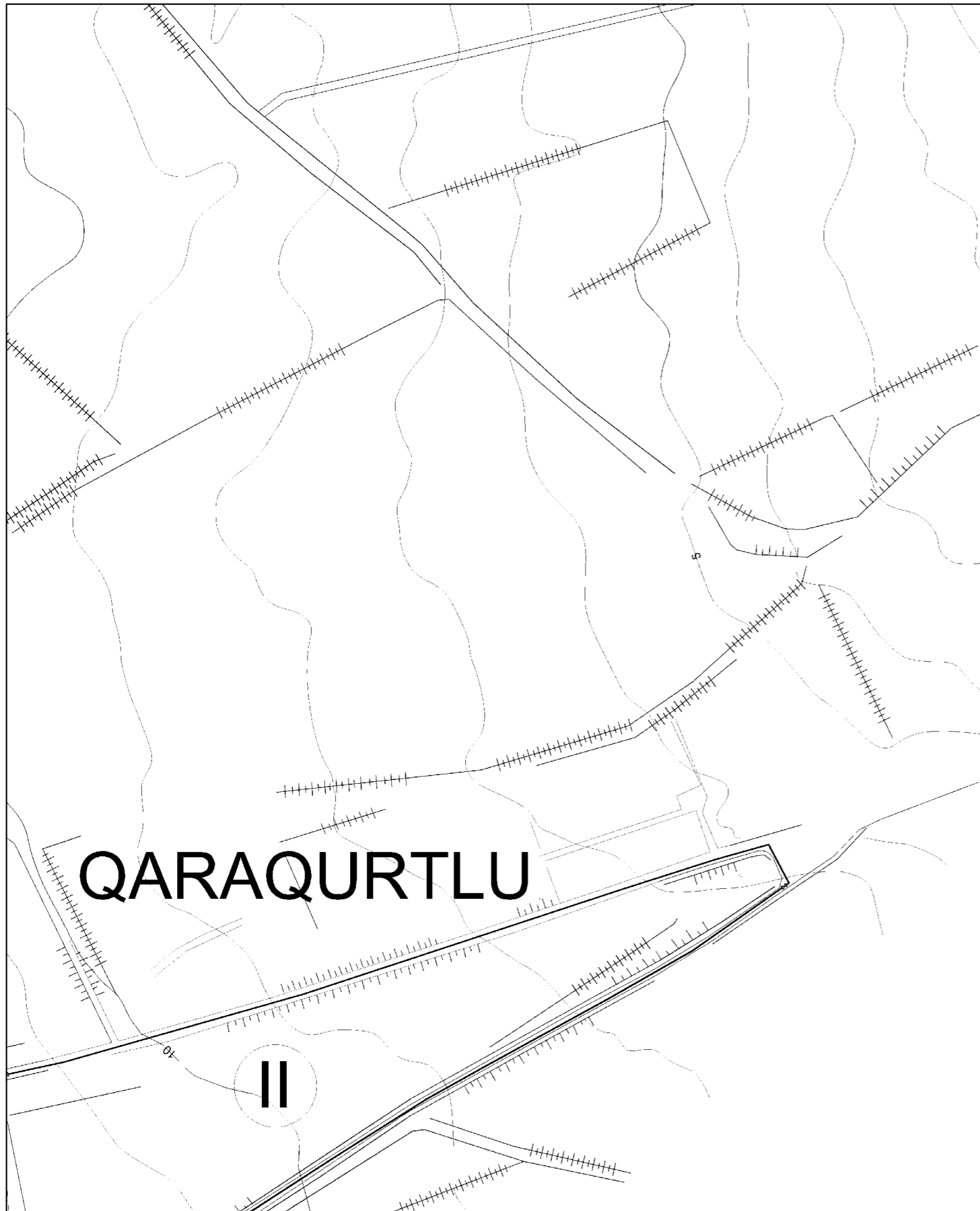
Site :
Khachmaz

Facility:
Distribution Network








Title :
Network Plan

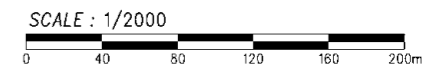
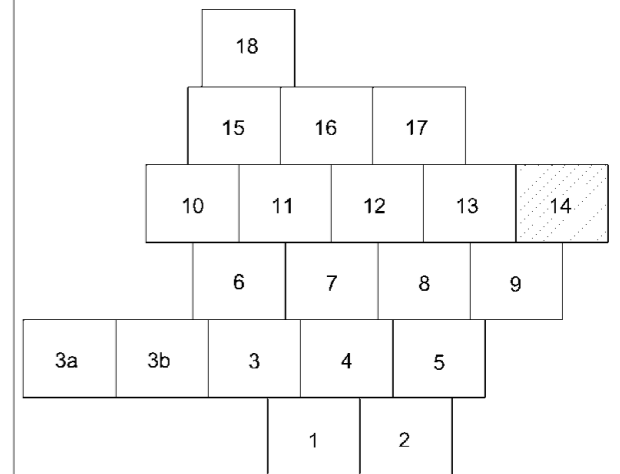
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Original Size of Paper: A1

Category - City Facility Code - Number
SU-XAC-10-02(13)
Date: December 2009
Revision Number: Rev.0

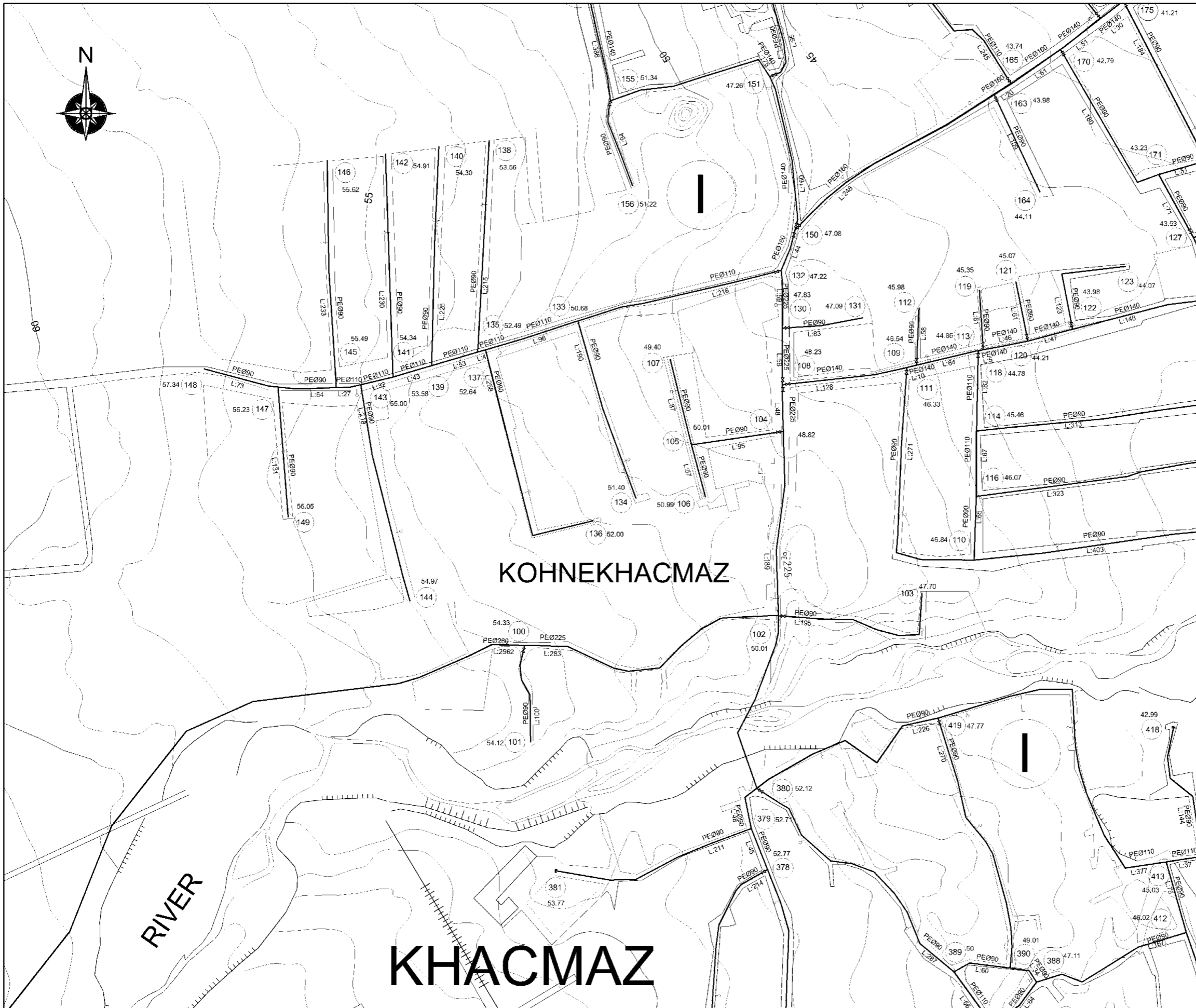


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




-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
- PE** Polyethylene Pipe
- GRP** Glass Reinforced Plastic Pipe
- Ø400** Nominal Pipe Diameter (mm)
- L:13** Pipe Length (m)

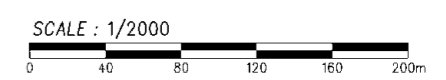
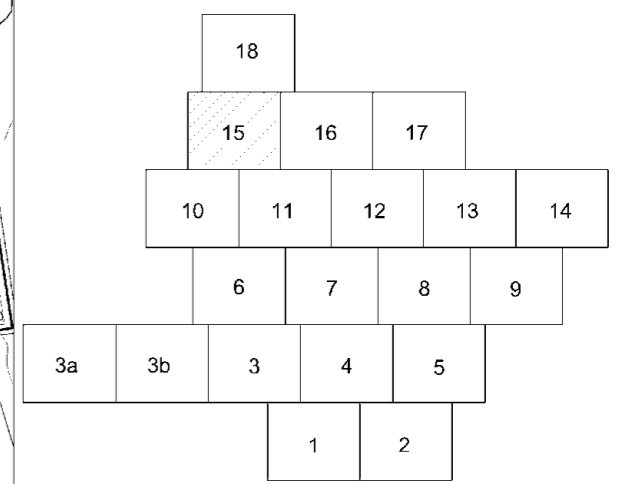


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Khachmaz	Facility:	Distribution Network	Title :	Network Plan	Scale of Drawing: 1/2000	Category - City SU-XAC-	Facility Code - Number 10-02(14)
								Original Size of Paper: A1	Date December 2009	Revision Number Rev.0



LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

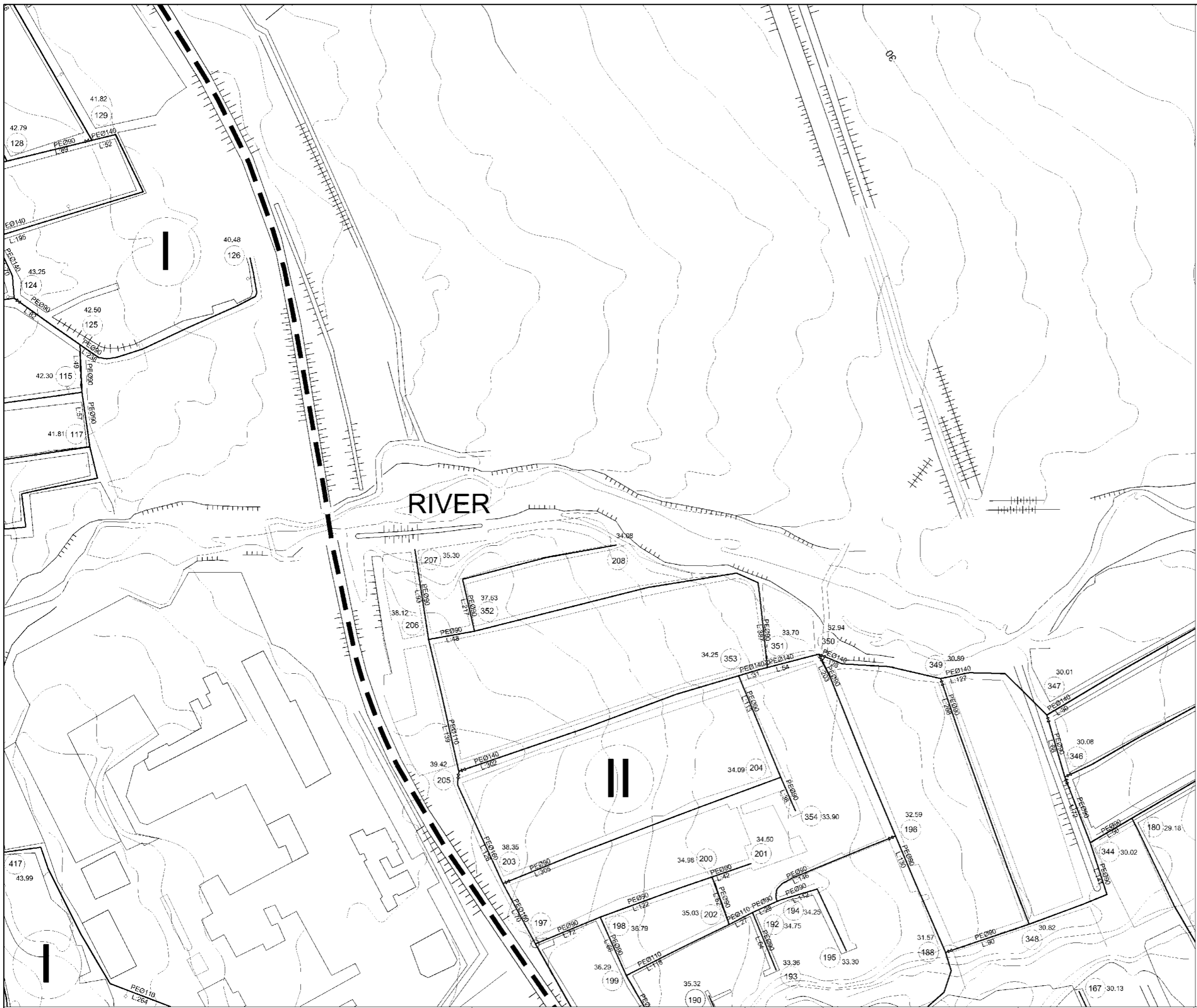
Site :
Khachmaz

Facility:
Distribution Network








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Network Plan

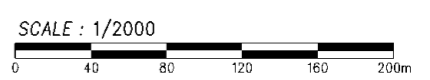
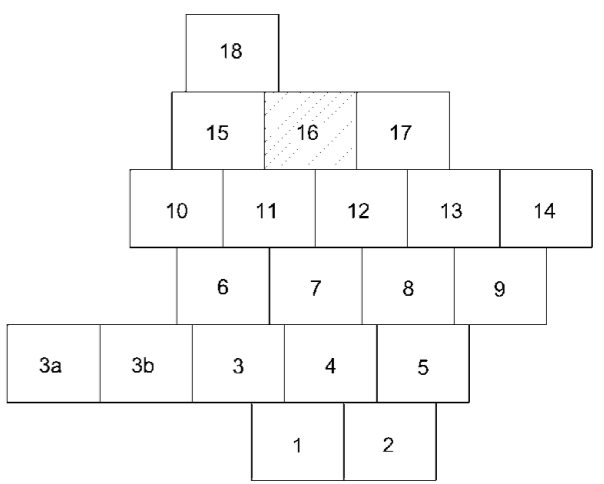
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1/2000
Original Size of Paper:
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Category - City	Facility Code - Number
SU-XAC-	10-02(15)
Date	Revision Number
December 2009	Rev.0

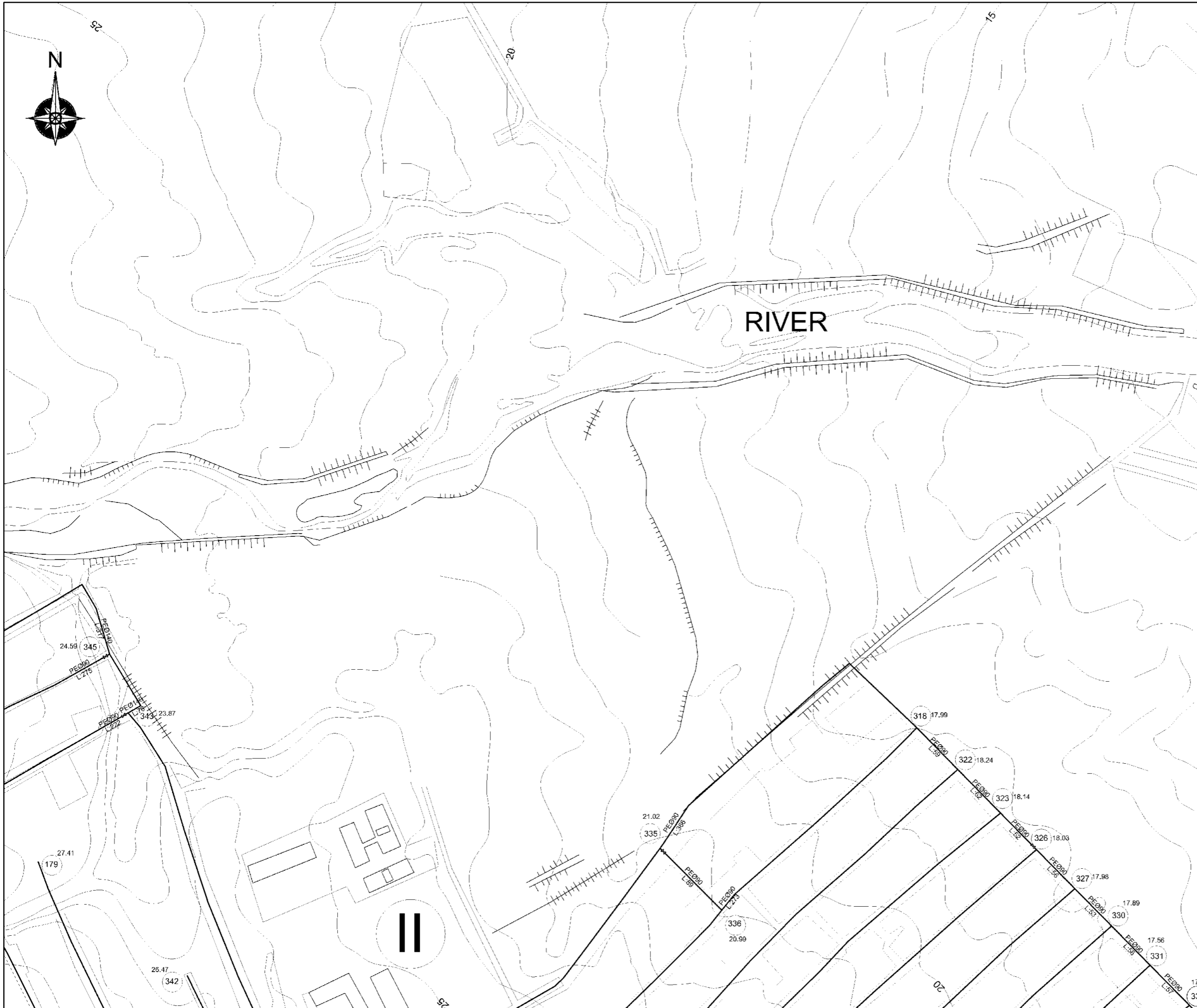


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




-  Pressure Zone Number
-  Service Reservoir
- Qph Peak Hour Demand (l/s)
- LWL Reservoir Low Water Level (m)
-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
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- 35.49 Node Elevation (m)
- PE Polyethylene Pipe
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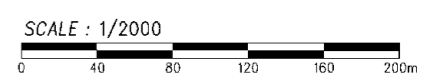
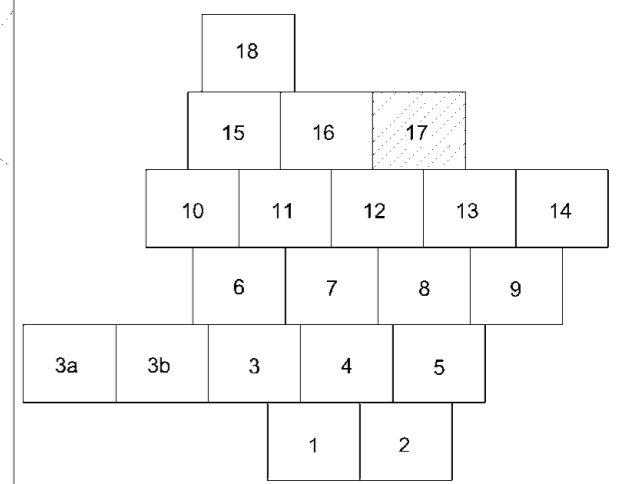


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan		Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City SU-XAC-	Facility Code - Number 10-02(16)
	Japan International Cooperation Agency (JICA), Japan		Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	Date December 2009	Revision Number Rev.0



LEGEND

-  Pressure Zone Number
-  Service Reservoir
- Qph** Peak Hour Demand (l/s)
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-  Transmission Pipe
-  Distribution Pipe
-  Line Valve
-  Fire Hydrant
-  Zone Node Number
- 35.49** Node Elevation (m)
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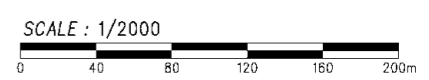
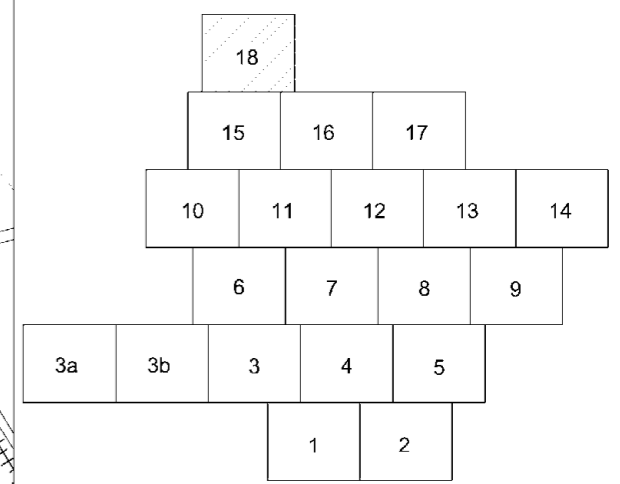
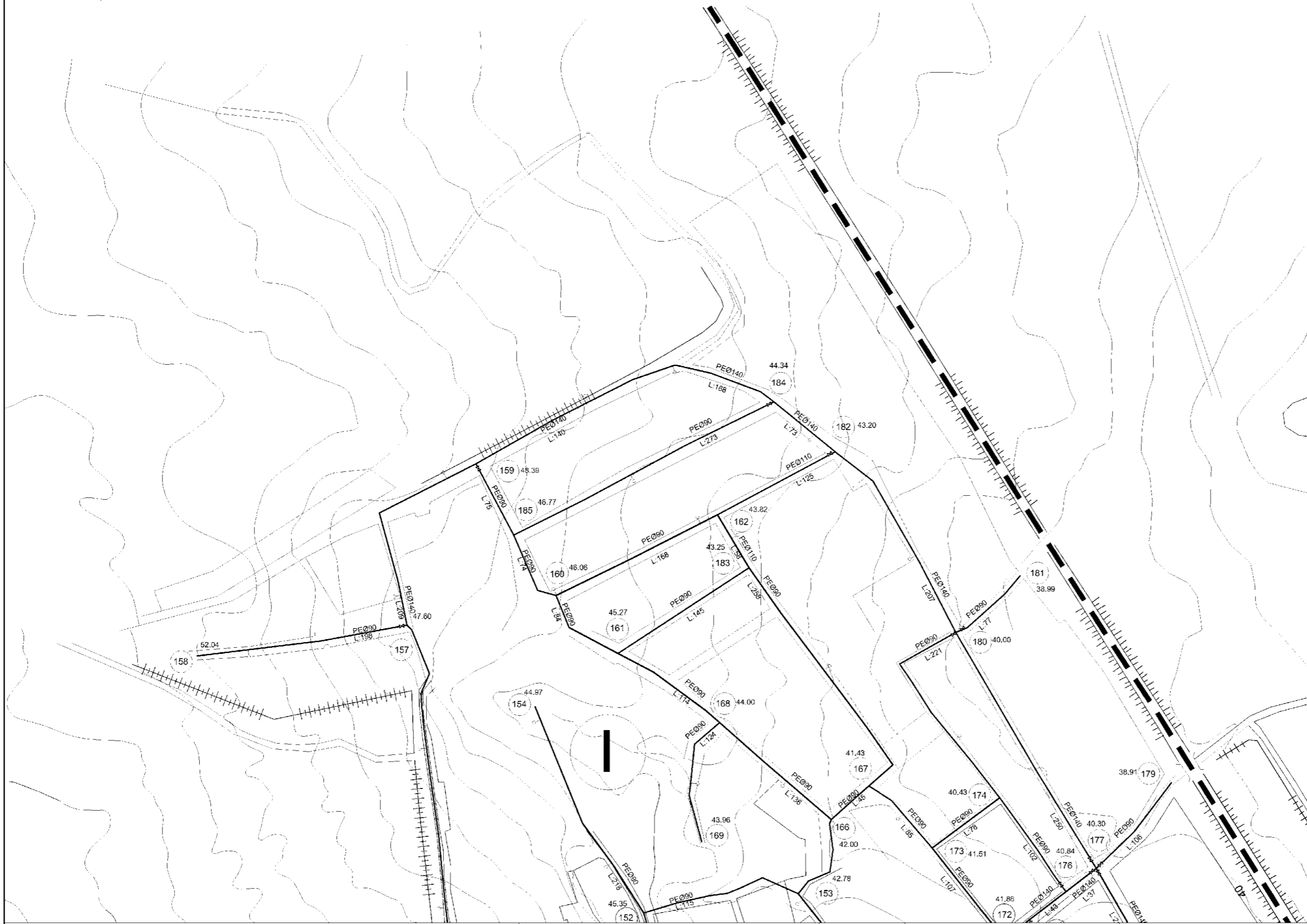


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan		Site :	Facility:	Title :	Scale of Drawing: 1/2000	Category - City SU-XAC-	Facility Code - Number 10-02(17)
	Japan International Cooperation Agency (JICA), Japan		Khachmaz	Distribution Network	Network Plan	Original Size of Paper: A1	Date December 2009	Revision Number Rev.0

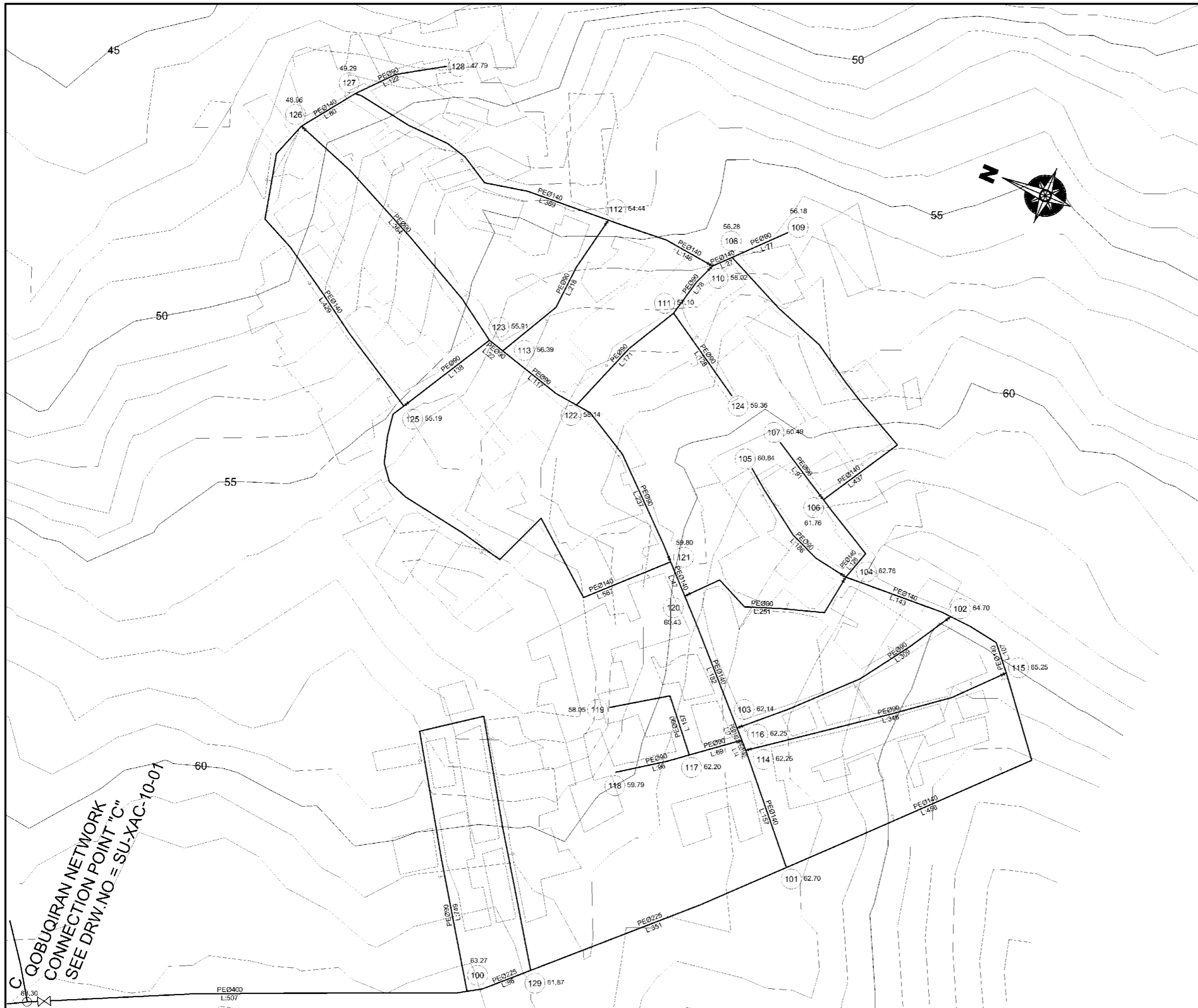


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

- Pressure Zone Number
- Service Reservoir
- Qph** Peak Hour Demand (l/s)
- LWL** Reservoir Low Water Level (m)
- Transmission Pipe
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- Line Valve
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan		Site :	Khachmaz	Facility:	Distribution Network	Title :	Network Plan	Scale of Drawing:	1/2000	Category - City	Facility Code - Number	10-02(18)
									Original Size of Paper:	A1	Date	December 2009	Revision Number










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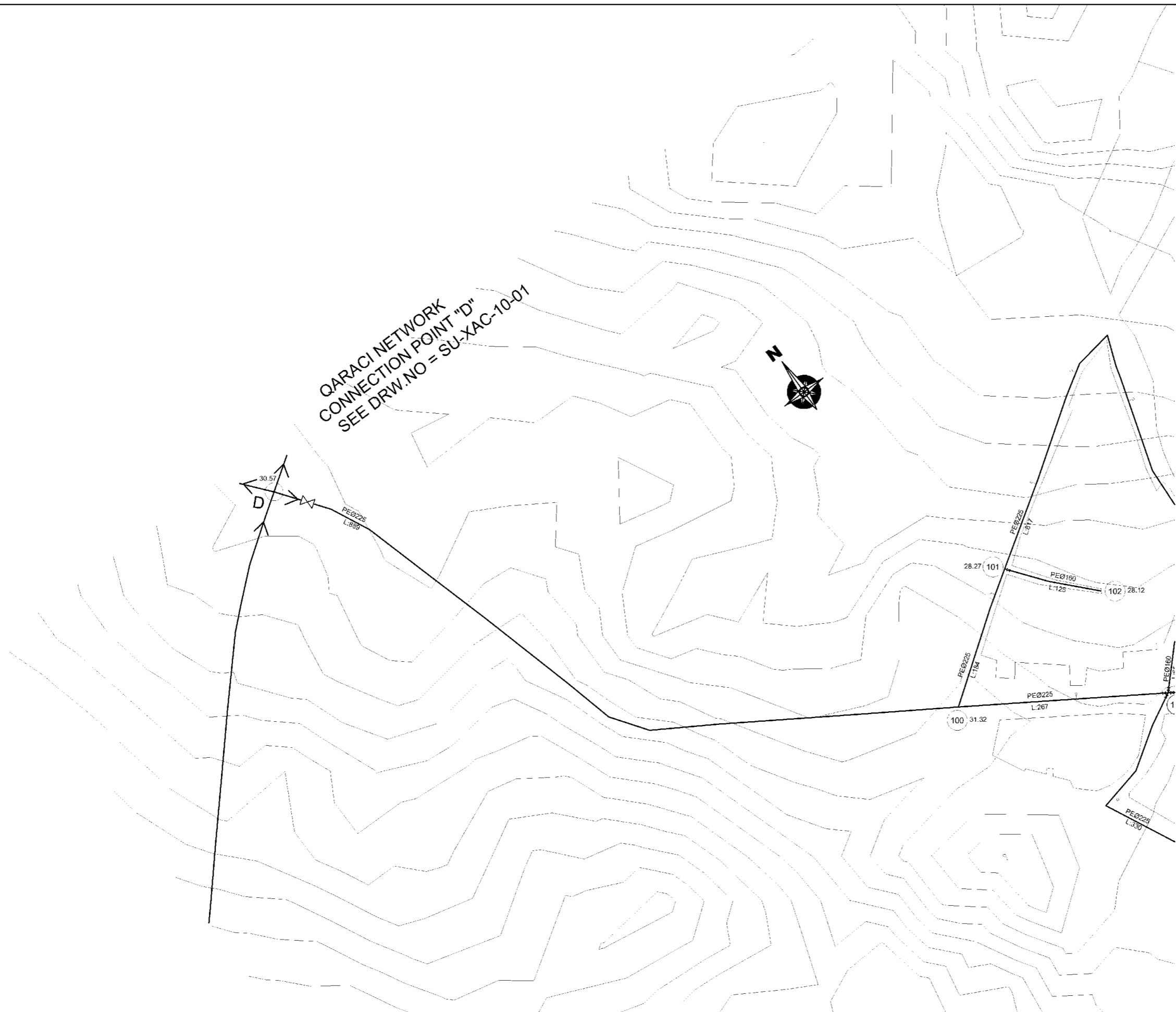
-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- + + + - +** **Transmission Pipe**
- **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
- 502** **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

C QOBUQIRAN NETWORK
CONNECTION POINT "C"
SEE DRW.NO = SU-XAC-10-01

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Khacmaz	Facility :	QOBUQIRAN Distribution Network	Title :	Network Plan	Scale of Drawing:	1/2500	Category - City Number	SU-XAC- 10-03	Facility Code - Number	10-03
								Original Size of Paper:	A1	Date	December 2009	Revision Number	Rev.0

LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Khachmaz




Facility :
Qaraci Distribution Network

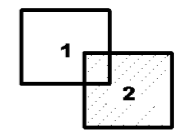
Title :
Network Plan

Scale of Drawing: 1/2500
Original Size of Paper: A1

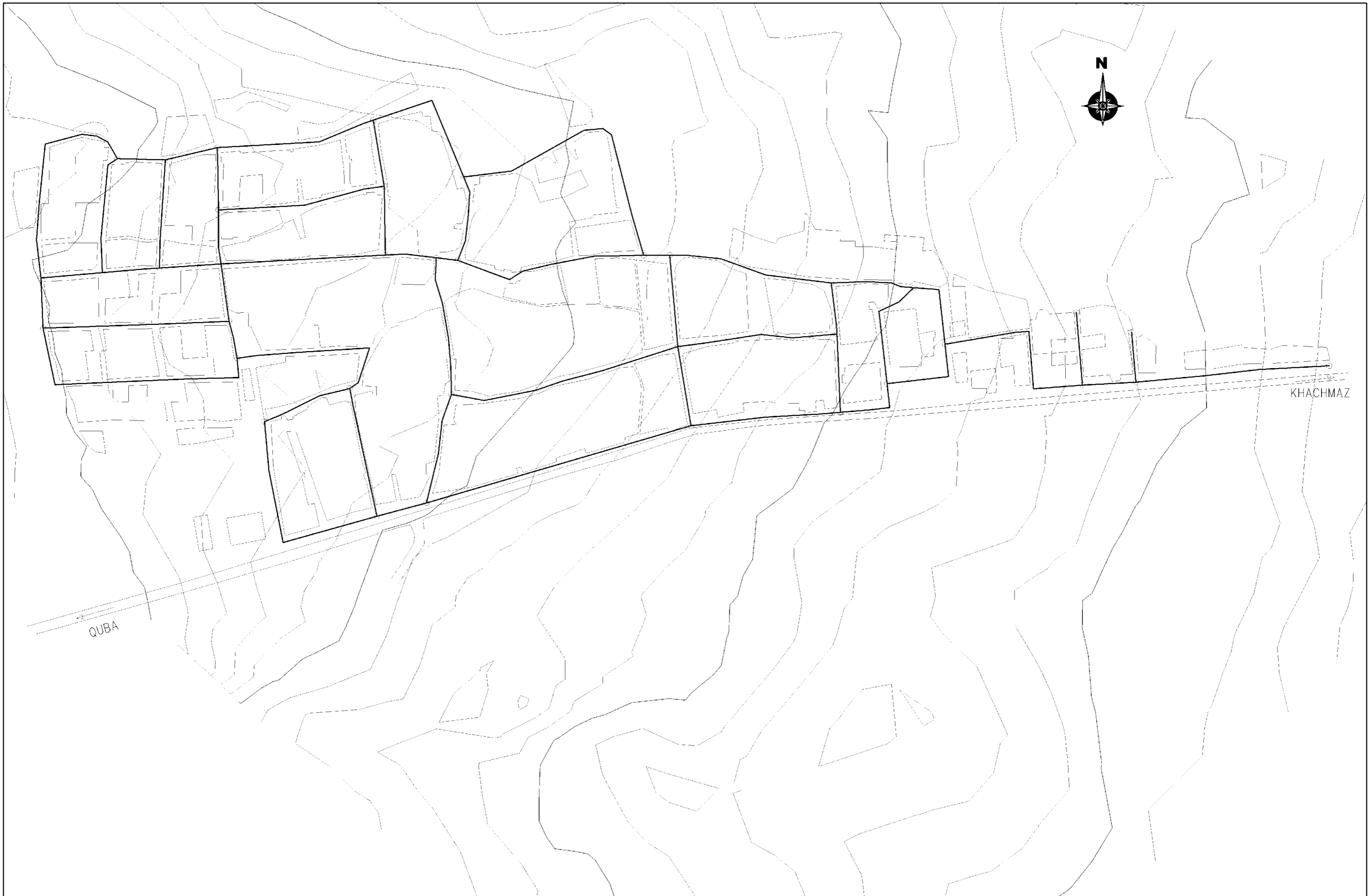
Category - City Facility Code - Number
SU-XAC- 10-04(1)
Date Revision Number
December 2009 Rev.0



- LEGEND**
-  **Pressure Zone Number**
 -  **Service Reservoir**
 - Qph **Peak Hour Demand (l/s)**
 - LWL **Reservoir Low Water Level (m)**
 - + + + - + **Transmission Pipe**
 - — — **Distribution Pipe**
 - X — **Line Valve**
 - **Fire Hydrant**
 - **Fire Hydrant**
 -  **Zone Node Number**
 - 35.49 **Node Elevation (m)**
 - PE **Polyethylene Pipe**
 - GRP **Glass Reinforced Plastic Pipe**
 - Ø400 **Nominal Pipe Diameter (mm)**
 - L:13 **Pipe Length (m)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khachmaz	Facility : Qaraci Distribution Network	Title : Network Plan	Scale of Drawing: 1/2500 Original Size of Paper: A1	Category - City SU-XAC- Date December 2009	Facility Code - Number 10-04(2) Revision Number Rev.0
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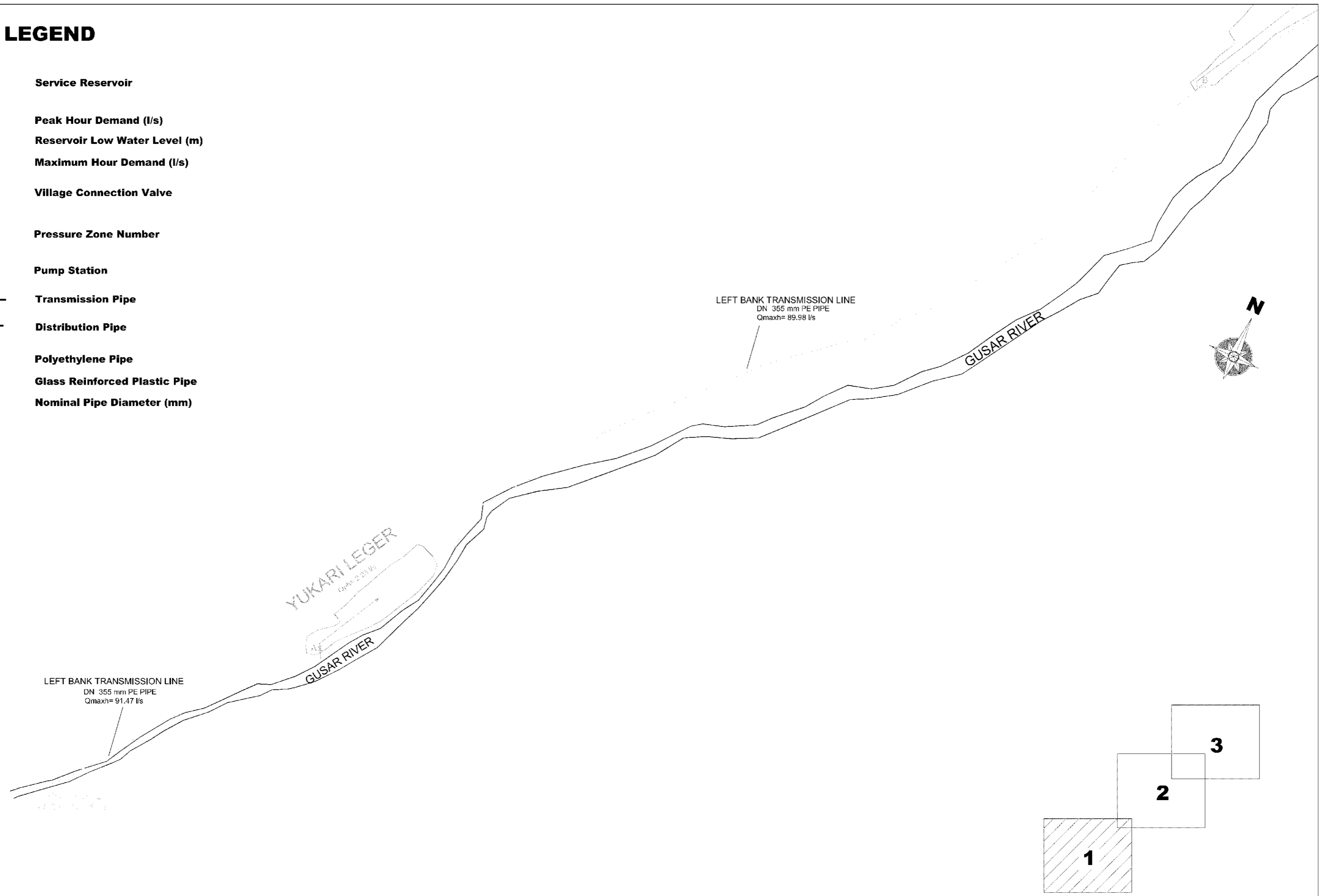
SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan		Site :	Facility	Title :	Scale of Drawing:	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan		Khachmaz	Armudpadar Distribution Network	Network Plan	1/2500	SU-XAC-	10-05
						Original Size of Paper:	Date	Revision Number
						A1	December 2009	Rev.0

GUSAR

QUSAR

LEGEND

-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- Qmaxh** **Maximum Hour Demand (l/s)**
-  **Village Connection Valve**
-  **Pressure Zone Number**
-  **Pump Station**
-  **Transmission Pipe**
-  **Distribution Pipe**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- DN400** **Nominal Pipe Diameter (mm)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :

Gusar

Facility :

Distribution Network

Title :

Key Plan

Scale of Drawing:
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





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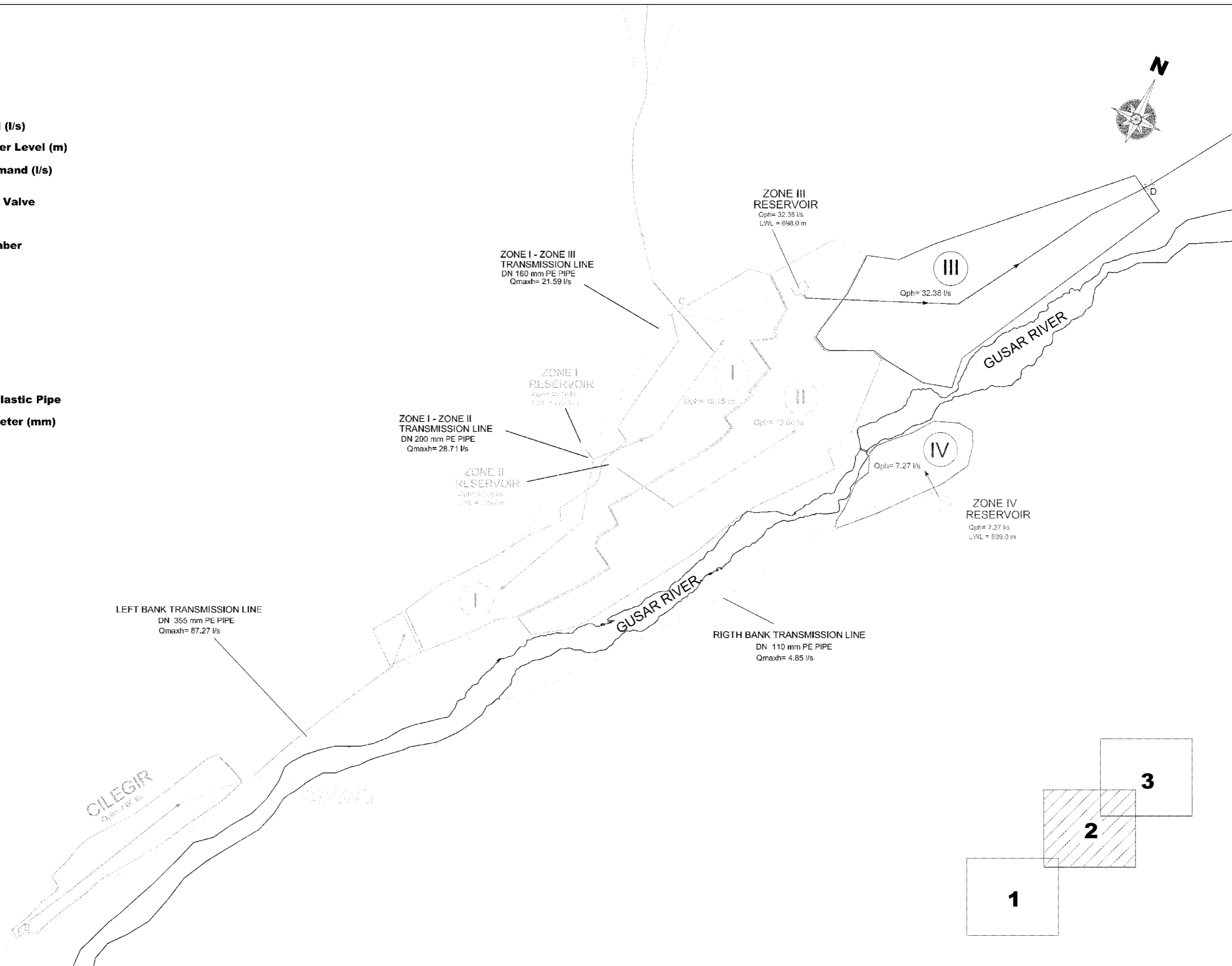
Category - City Facility Code - Number
SU-GUS- 10-01(01)

Date
December 2009

Revision Number
Rev.0

LEGEND

-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- Qmaxh** **Maximum Hour Demand (l/s)**
-  **Village Connection Valve**
-  **Pressure Zone Number**
-  **Pump Station**
-  **Transmission Pipe**
-  **Distribution Pipe**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- DN400** **Nominal Pipe Diameter (mm)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Khachmaz

Facility :
Distribution Network

Title :
Key Plan







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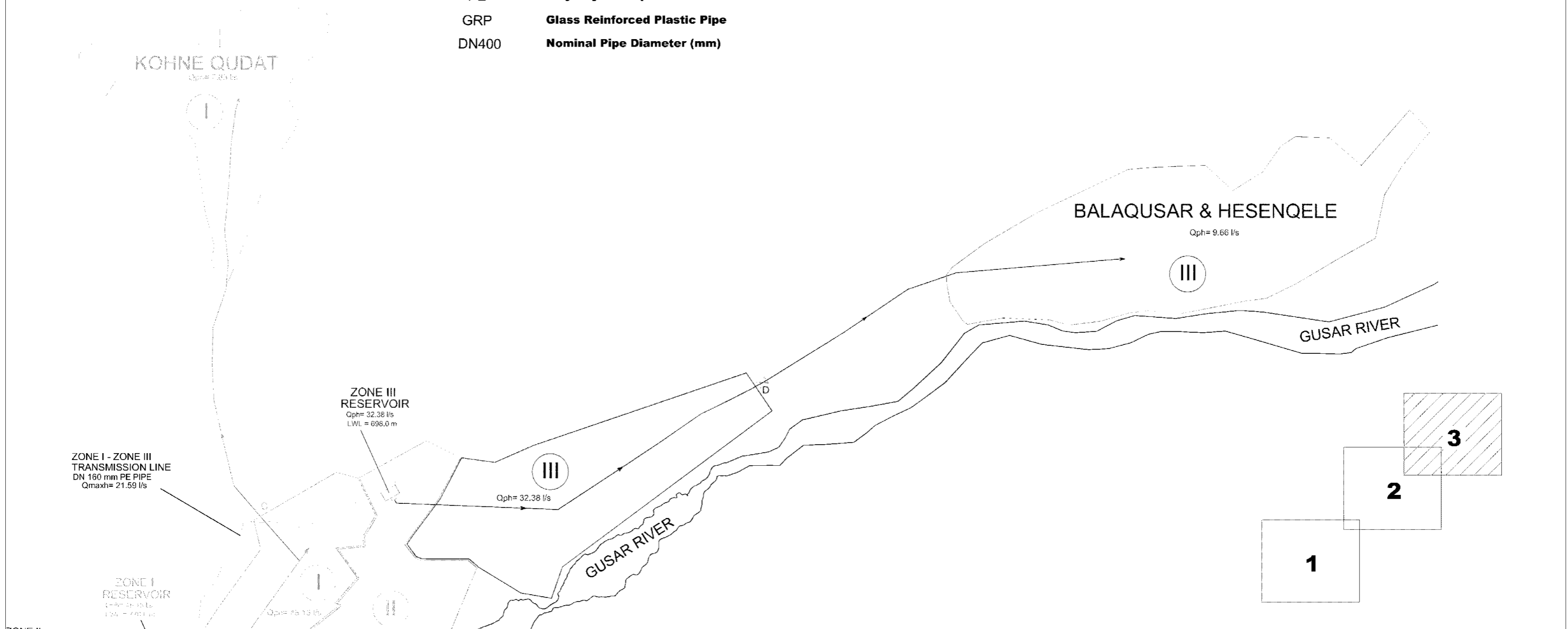
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SU-GUS-
Date
December 2009

Facility Code - Number
10-01(02)
Revision Number
Rev.0

LEGEND



-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- Qmaxh** **Maximum Hour Demand (l/s)**
-  **Village Connection Valve**
-  **Pressure Zone Number**
-  **Pump Station**
-  **Transmission Pipe**
-  **Distribution Pipe**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- DN400** **Nominal Pipe Diameter (mm)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Khachmaz

Facility :
Distribution Network




Title :
Key Plan

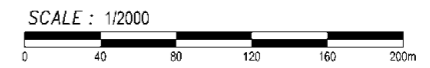
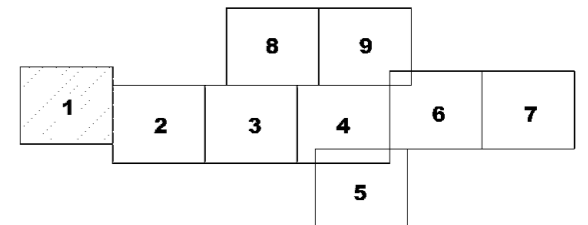
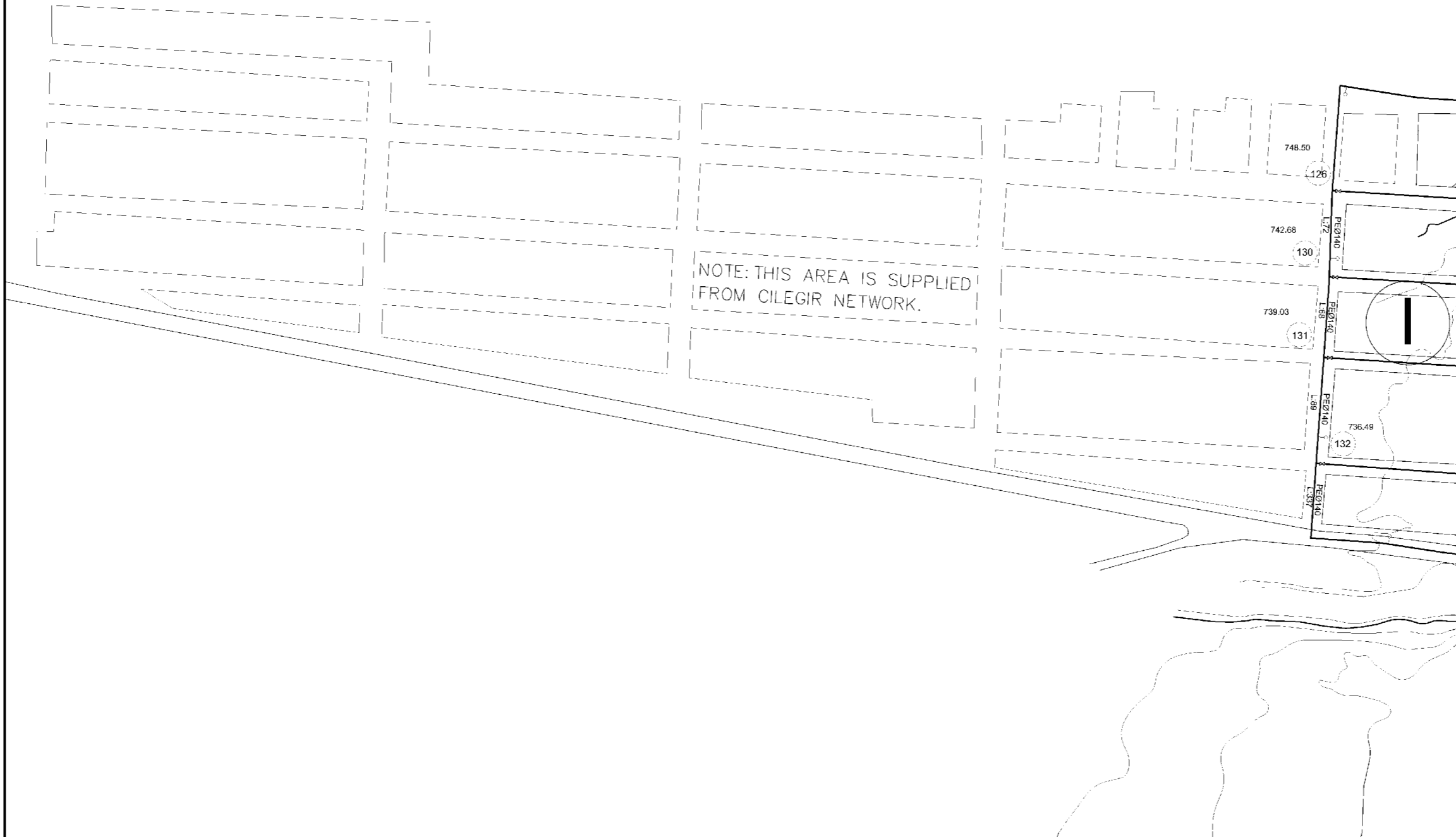
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SU-GUS-	10-01(03)
Date	Revision Number
December 2009	Rev.0

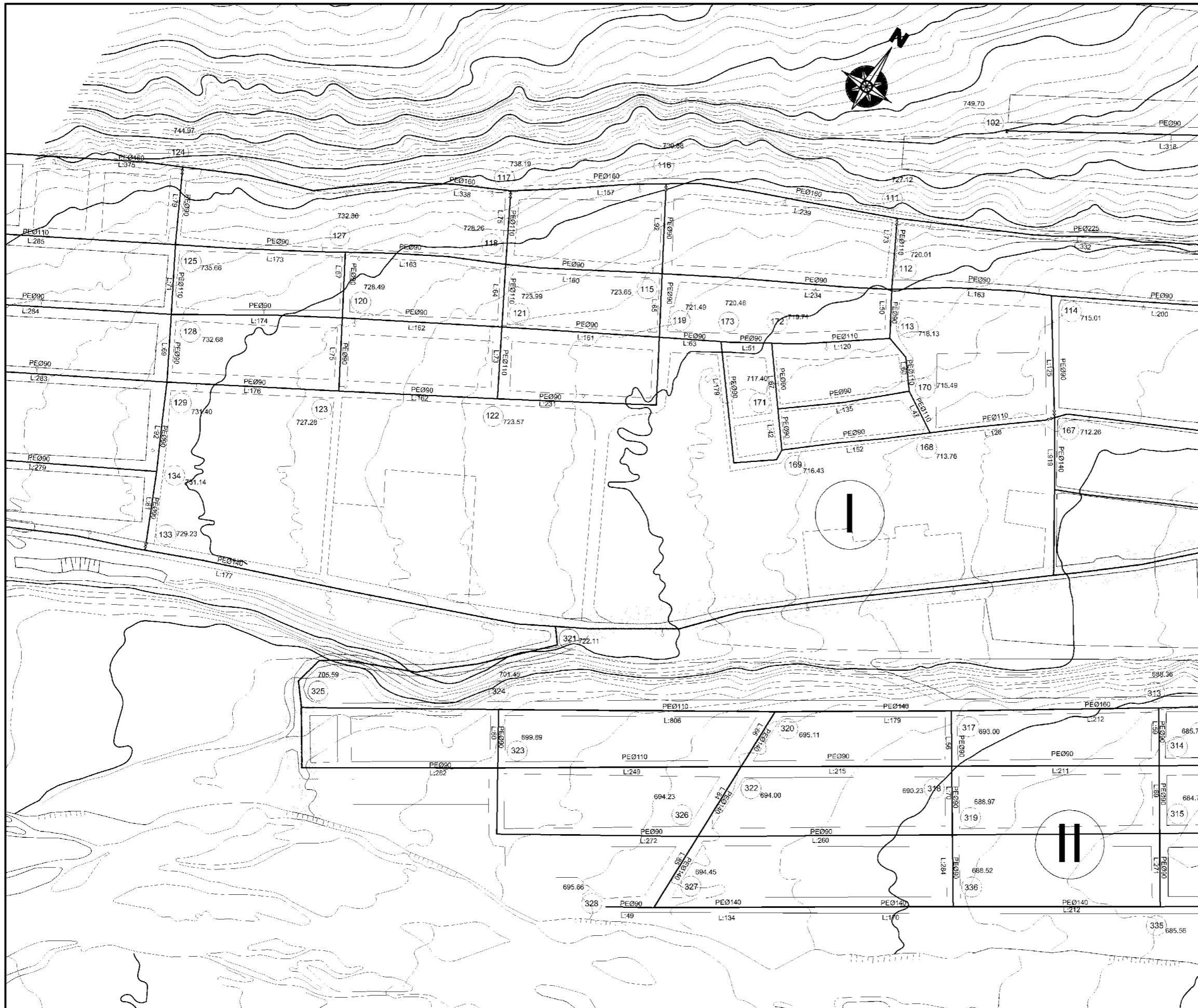


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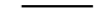



-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph **Peak Hour Demand (l/s)**
- LWL **Reservoir Low Water Level (m)**
- + - + - + **Transmission Pipe**
- **Distribution Pipe**
- X— **Line Valve**
- **Fire Hydrant**
-  **Zone Node Number**
- 35.49 **Node Elevation (m)**
- PE **Polyethylene Pipe**
- GRP **Glass Reinforced Plastic Pipe**
- Ø400 **Nominal Pipe Diameter (mm)**
- L:13 **Pipe Length (m)**

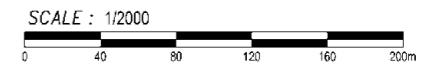
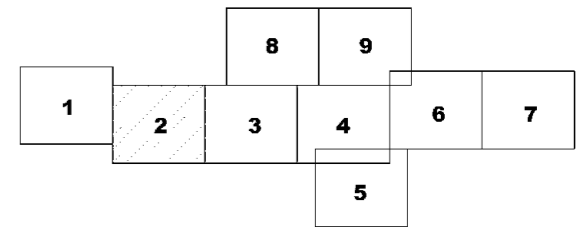


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Facility :	Title :	Scale of Drawing:	Category - City	Facility Code - Number
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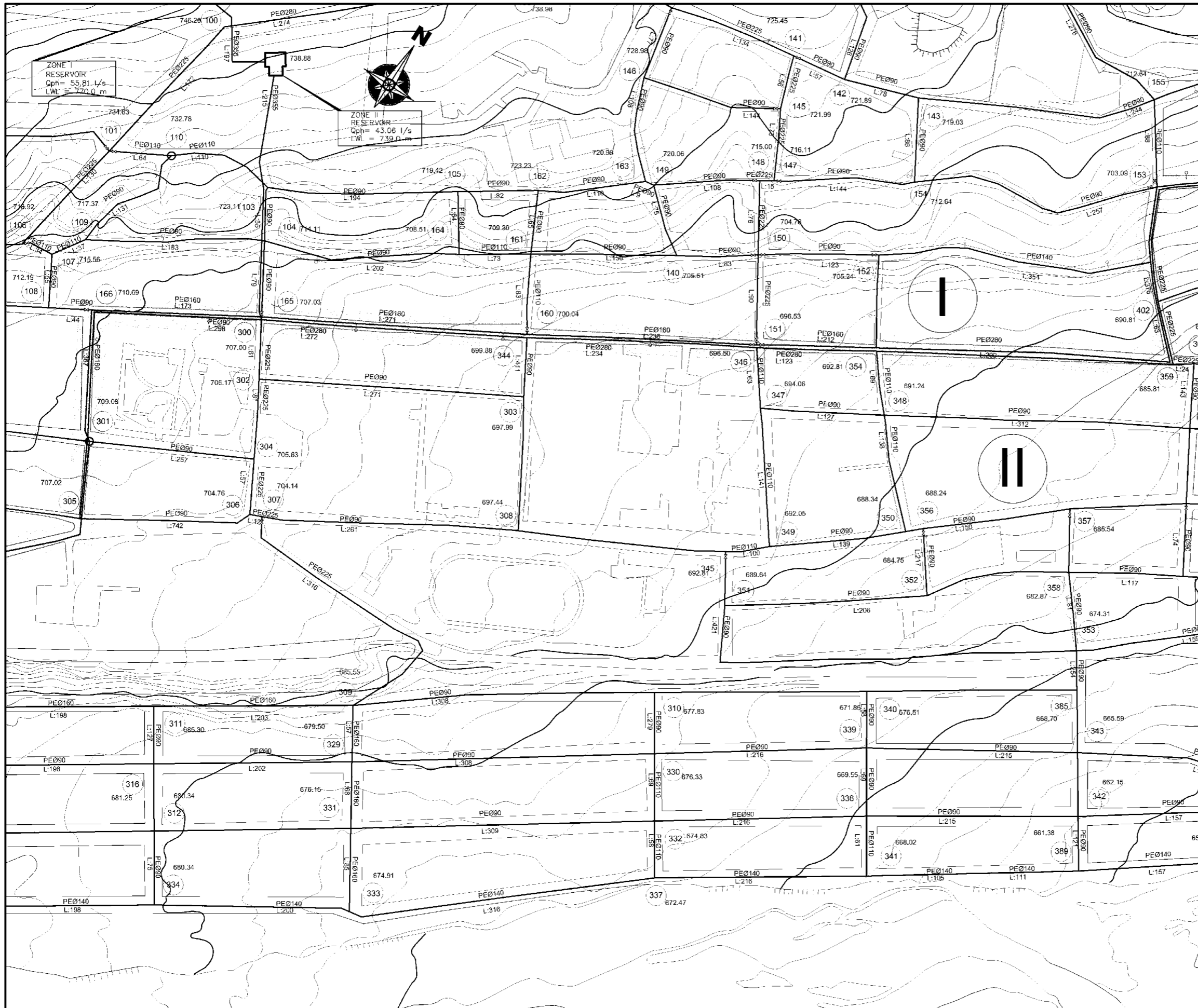


LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Qusar	Facility : Distribution Network	Title : Network Plan	Scale of Drawing: 1/2000 Original Size of Paper: A1	Category - City SU-GUS- Date December 2009	Facility Code - Number 10-02(2) Revision Number Rev.0
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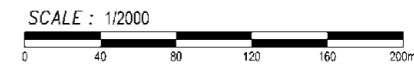
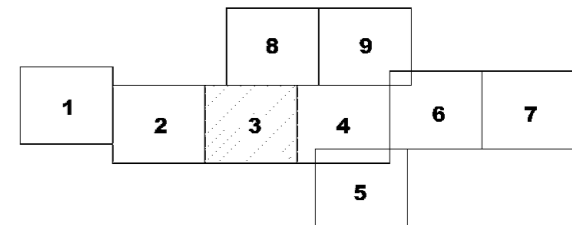


ZONE I
RESERVOIR
Qph = 55.81 l/s
LWL = 770.0 m

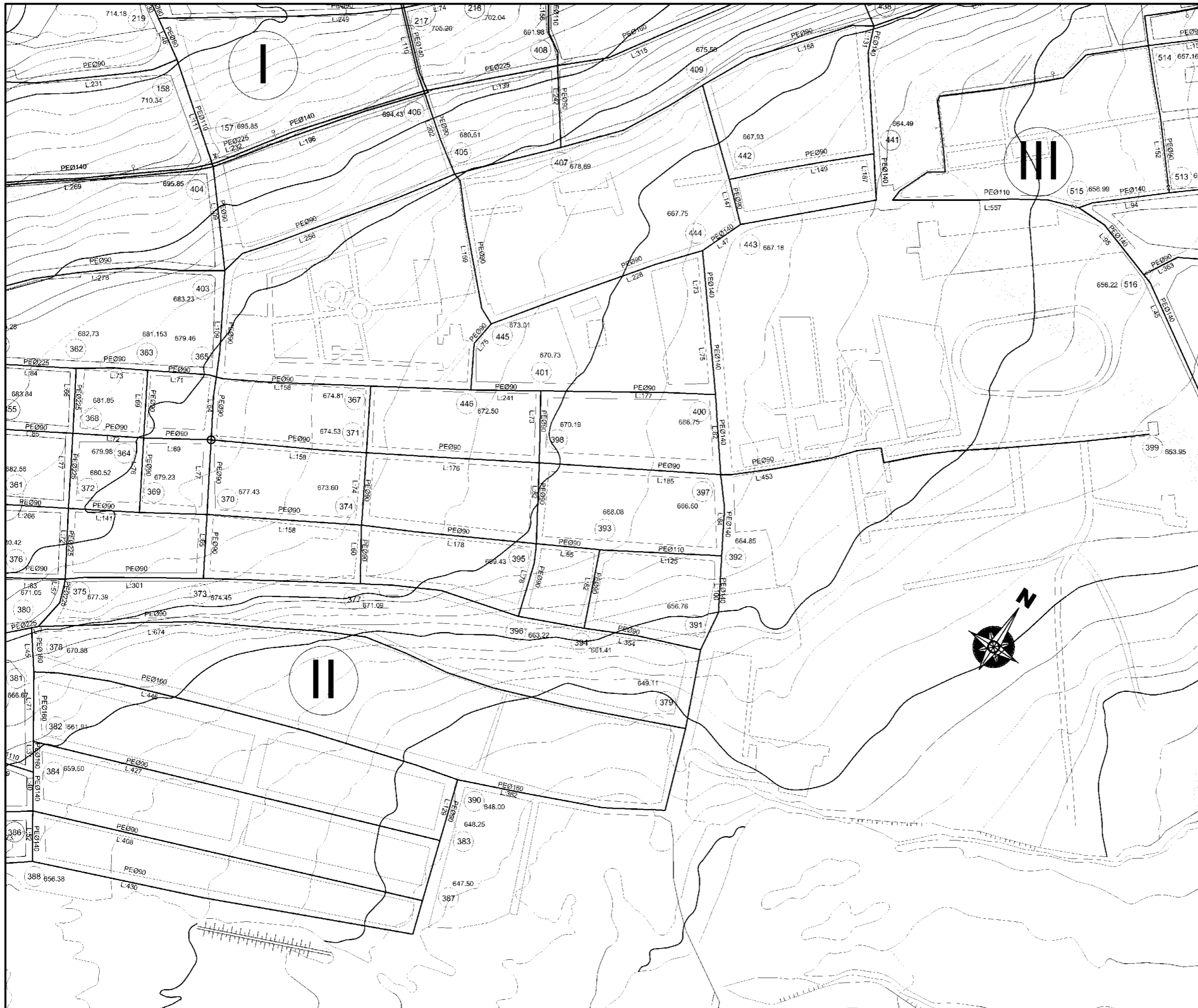
ZONE II
RESERVOIR
Qph = 43.06 l/s
LWL = 739.0 m

LEGEND




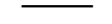



- Pressure Zone Number**
- Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
- Transmission Pipe**
- Distribution Pipe**
- Line Valve**
- Fire Hydrant**
- Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

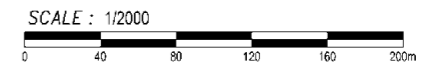
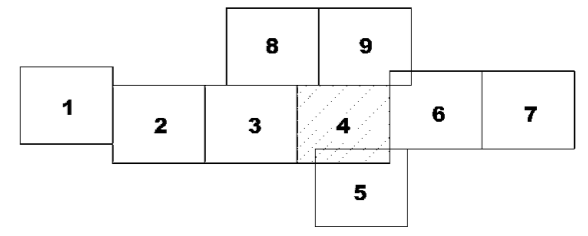


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan		Site : Quasar	Facility : Distribution Network	Title : Network Plan	Scale of Drawing: 1/2000	Category - City SU-GUS-	Facility Code - Number 10-02(3)
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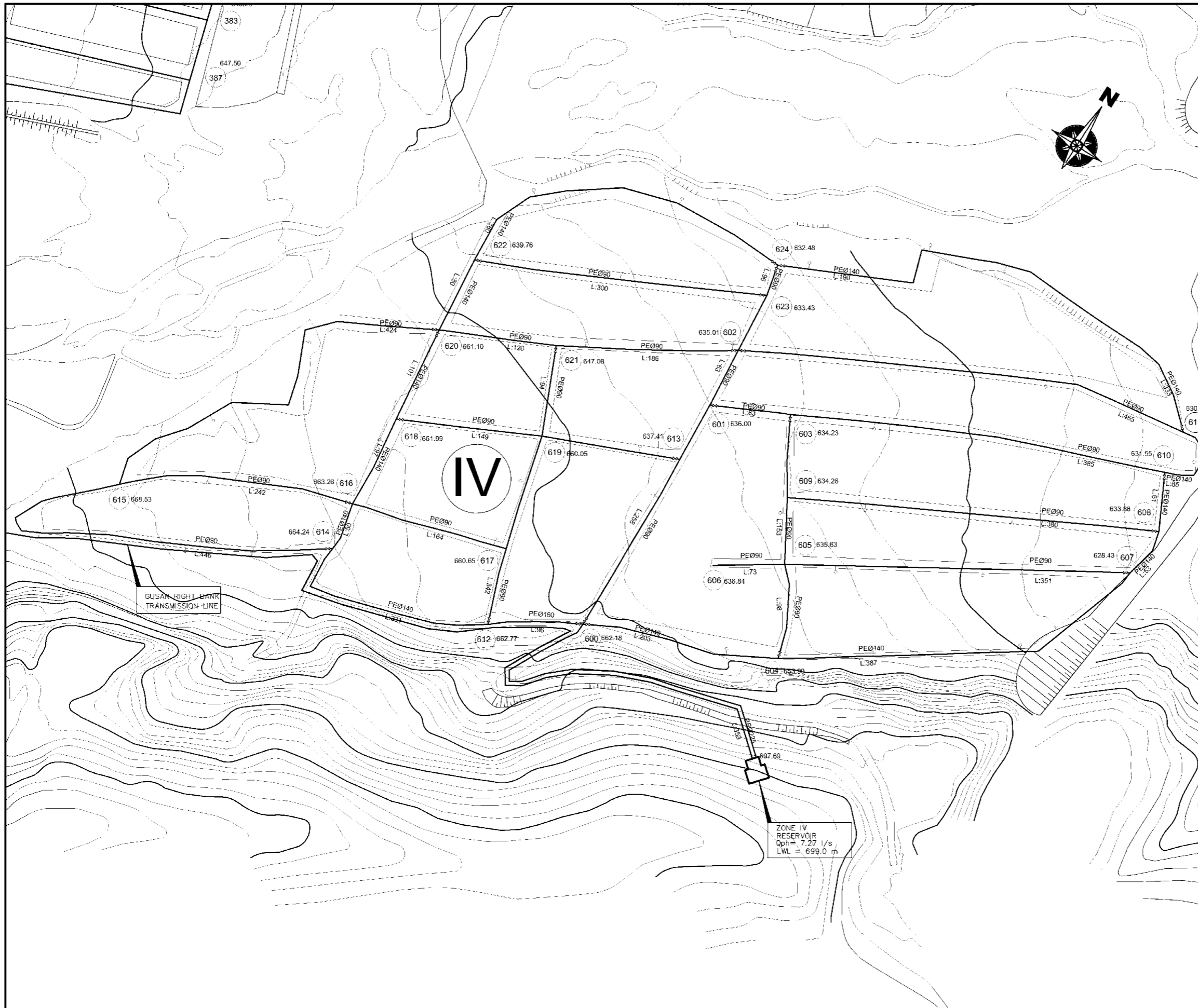


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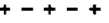
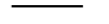



-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

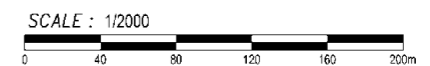
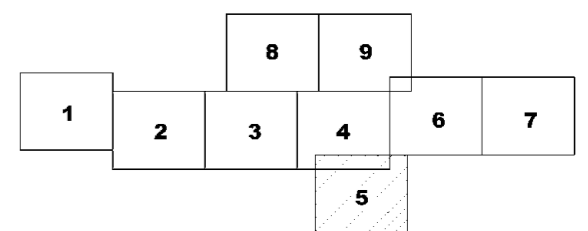


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan			Site : Quasar	Facility : Distribution Network	Title : Network Plan	Scale of Drawing: 1/2000	Category - City SU-GUS-	Facility Code - Number 10-02(4)
	Original Size of Paper: A1	Date December 2009	Revision Number Rev.0						



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

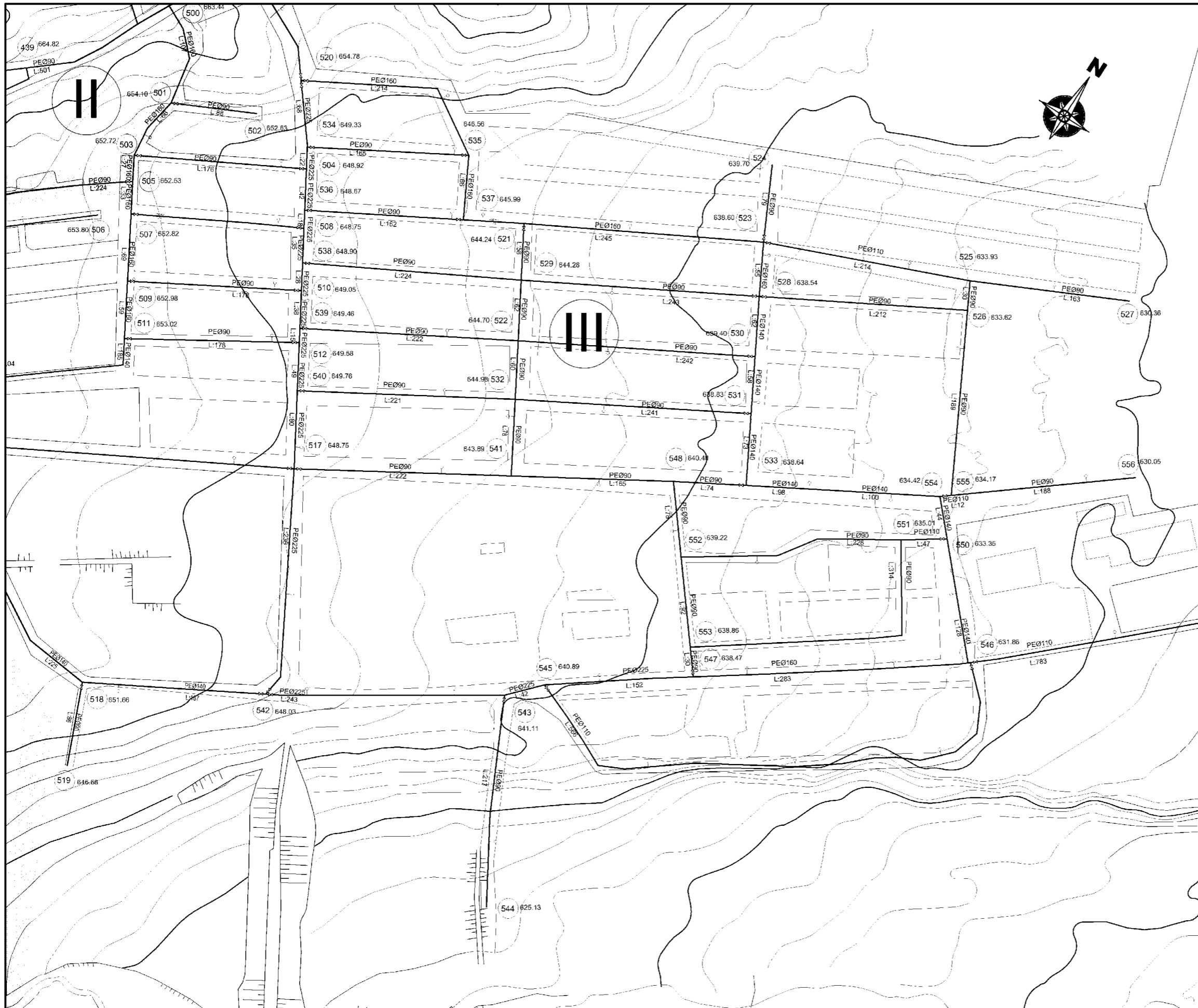
Site :
Qusar

Facility :
Distribution Network








Title :
Network Plan

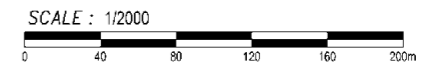
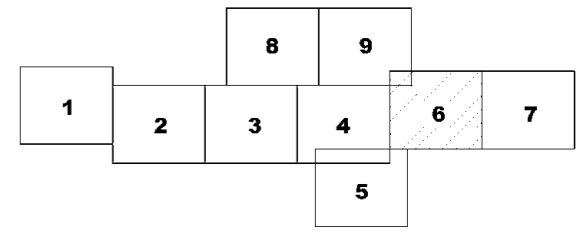
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Category - City	Facility Code - Number
SU-GUS-	10-02(5)
Date	Revision Number
December 2009	Rev.0










LEGEND

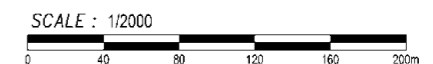
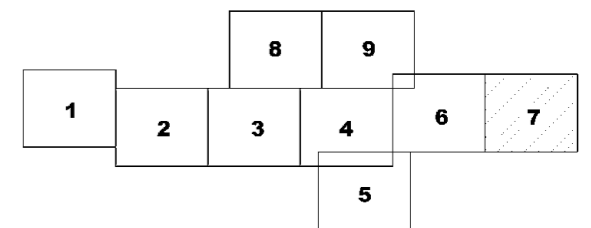
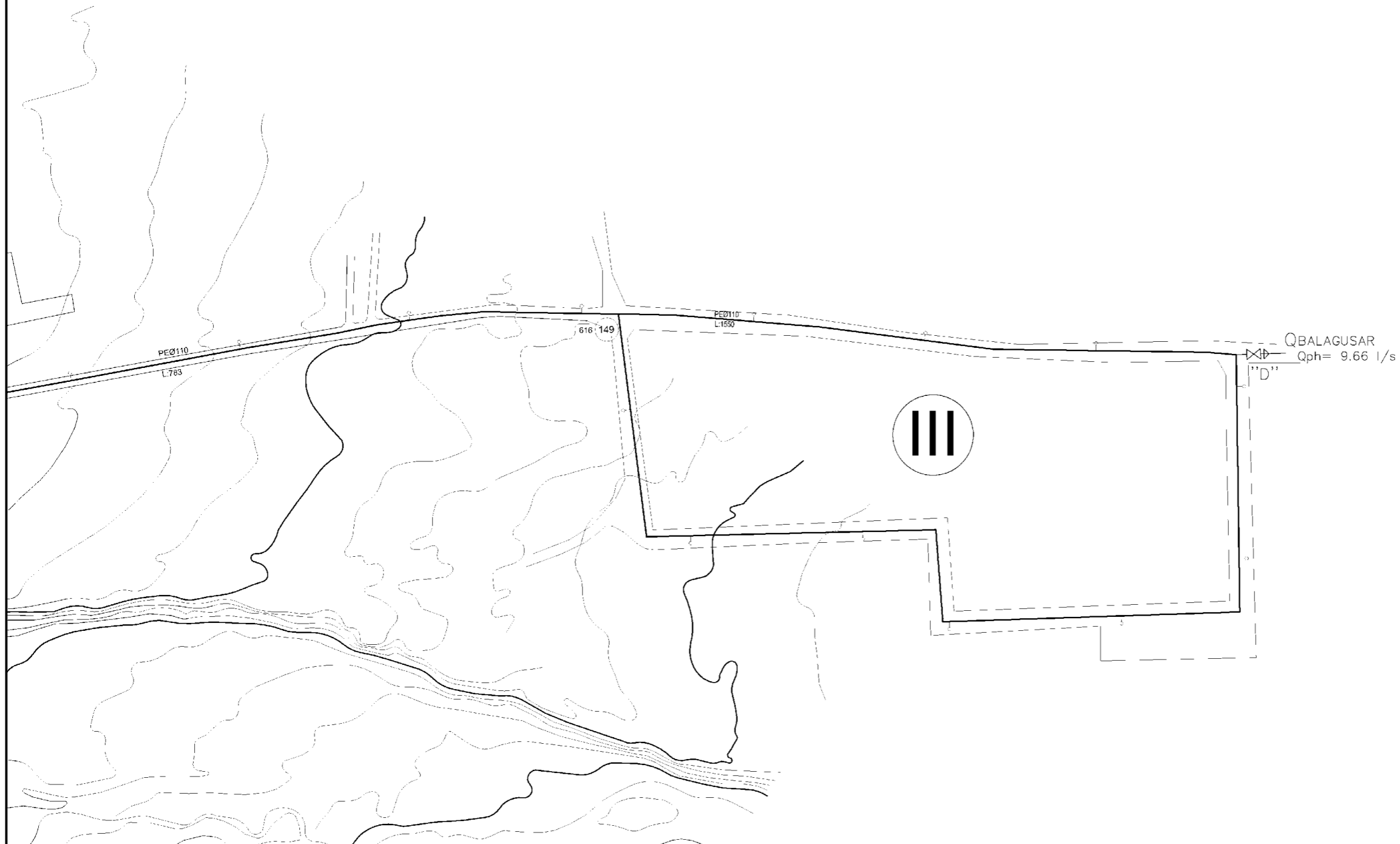
-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
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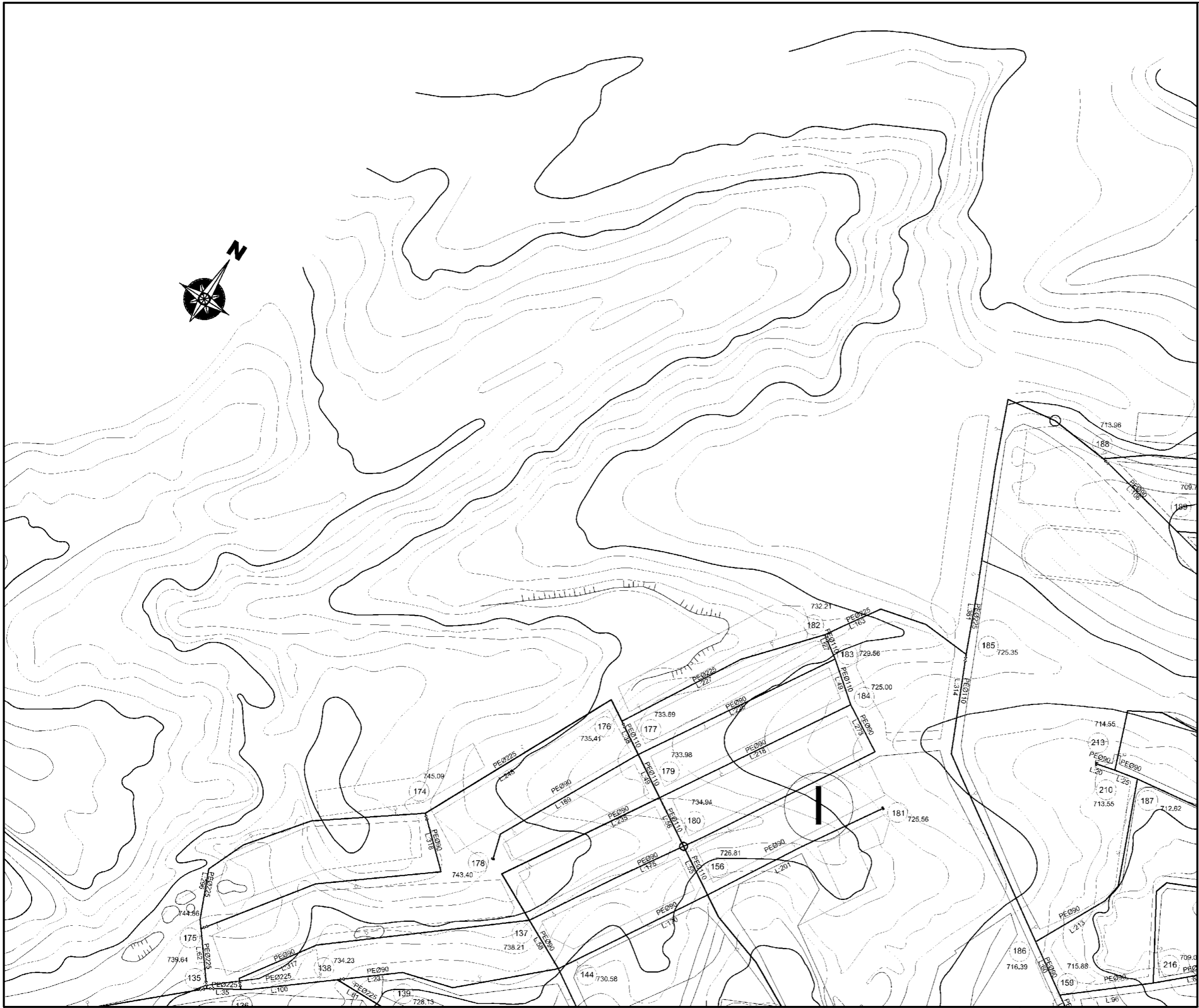
SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan		Site :	Facility :	Title :	Scale of Drawing:	Category - City	Facility Code - Number
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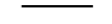



-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
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- Ø400** **Nominal Pipe Diameter (mm)**
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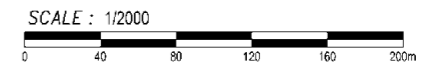
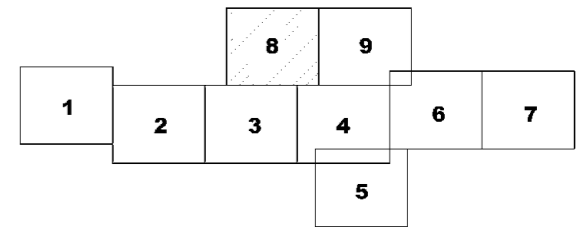


SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site :	Facility :	Title :	Scale of Drawing:	Category - City	Facility Code - Number
		Qusar	Distribution Network	Network Plan	1/2000	SU-GUS-	10-02(7)
					Original Size of Paper:	Date	Revision Number
					A1	December 2009	Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
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-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
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- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

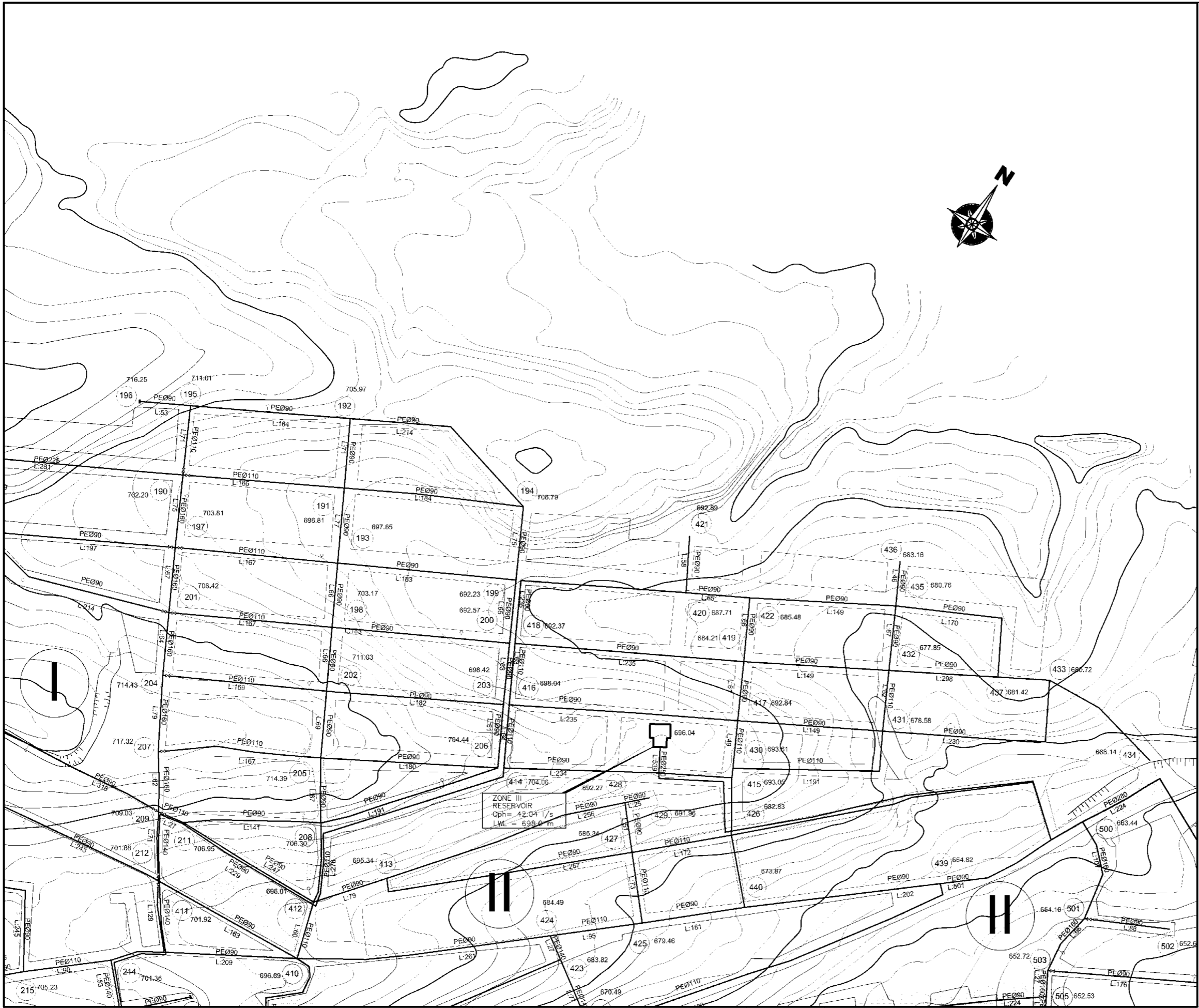
AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan
Japan International Cooperation Agency (JICA), Japan

Site : Quasar
Facility : Distribution Network




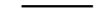



Title : Network Plan

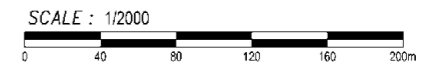
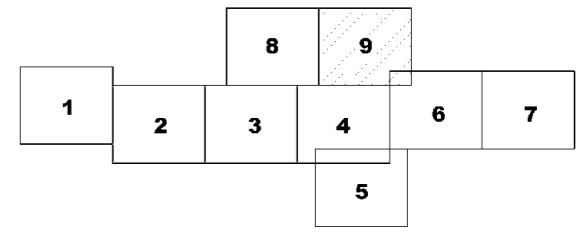
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Category - City: SU-GUS-
Facility Code - Number: 10-02(8)
Date: December 2009
Revision Number: Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan
Japan International Cooperation Agency (JICA), Japan

Site : Quasar
Facility : Distribution Network

Title : Network Plan

Scale of Drawing: 1/2000
Original Size of Paper: A1

Category - City: SU-GUS-
Facility Code - Number: 10-02(9)
Date: December 2009
Revision Number: Rev.0



C
 KOHNE QUDAT NETWORK
 CONNECTION POINT "A"
 SEE DRW. NO = SU-GUS-10-02

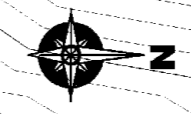
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	4	5

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan		Site : Gusar	Facility: Distribution Network	Title : Network Plan	Scale of Drawing: 1/2500	Category - City SU-GUS-	Facility Code - 10-03(01)
						Original Size of Paper: A1	Date December 2009	Revision Number Rev.0



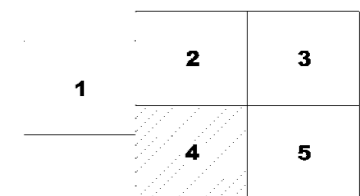
1	2	3
	4	5

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing:	Category - City	Facility Code -
	Japan International Cooperation Agency (JICA), Japan	Gusar	Distribution Network	Network Plan	1/2500	SU-GUS-	10-03(02)
					Original Size of Paper: A1	Date	Revision Number
						December 2009	Rev.0



1	2	3
	4	5

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing:	Category - City	Facility Code - Number
	Japan International Cooperation Agency (JICA), Japan	Gusar	Distribution Network	Network Plan	1/2500	SU-GUS-	10-03(03)
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					A1	December 2009	Rev.0



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR
THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT
IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :

Gusar

Facility:

Distribution Network

Title :

Network Plan

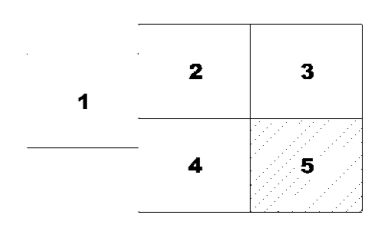
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Category - City Facility Code -
Number
SU-GUS- 10-03(04)

Date
December 2009



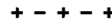

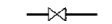


Revision Number
Rev.0



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing: 1/2500	Category - City Facility Code -	
	Japan International Cooperation Agency (JICA), Japan	Gusar	Distribution Network	Network Plan		Original Size of Paper: A1	Number
						Date	Revision Number
						December 2009	Rev.0



LEGEND








-  **Pressure Zone Number**
-  **Service Reservoir**
- Q_{ph}** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Gusar	Facility : Balagusar-Hasanqele Distribution Network	Title : Layout Plan	Scale of Drawing: 1/2500 Original Size of Paper: A1	Category - City SU-GUS-	Facility Code - 10-04(1)
						Date December 2009	Revision Number Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
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- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**



1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Gusar

Facility :
**Balagusar-Hasanqele
Distribution Network**







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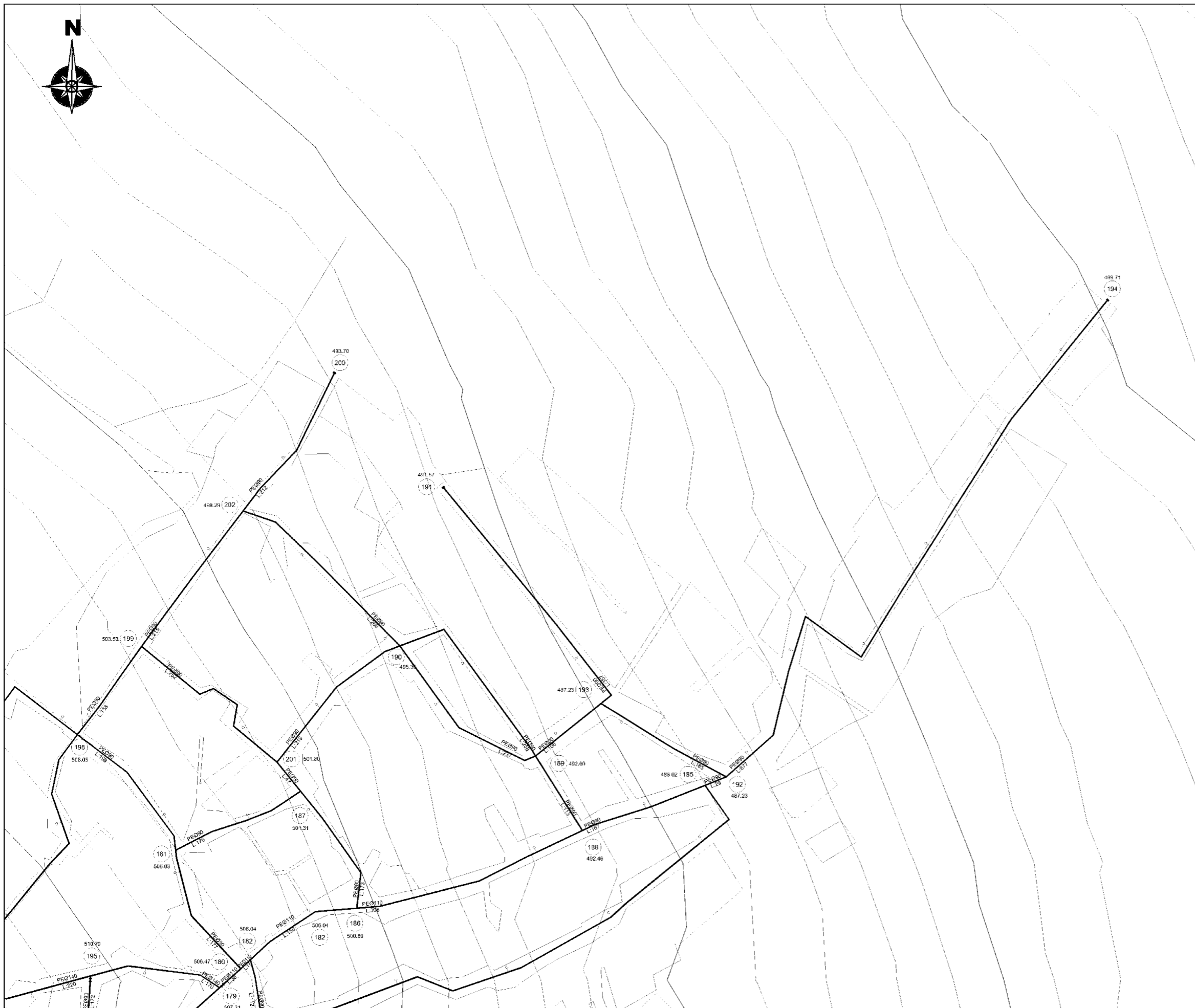
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Original Size of Paper: **A1**

Category - City	Facility Code - Number
SU-GUS-	10-04(2)
Date	Revision Number
December 2009	Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph **Peak Hour Demand (l/s)**
- LWL **Reservoir Low Water Level (m)**
- + - + - + **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49 **Node Elevation (m)**
- PE **Polyethylene Pipe**
- GRP **Glass Reinforced Plastic Pipe**
- Ø400 **Nominal Pipe Diameter (mm)**
- L:13 **Pipe Length (m)**



1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR
THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT
IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

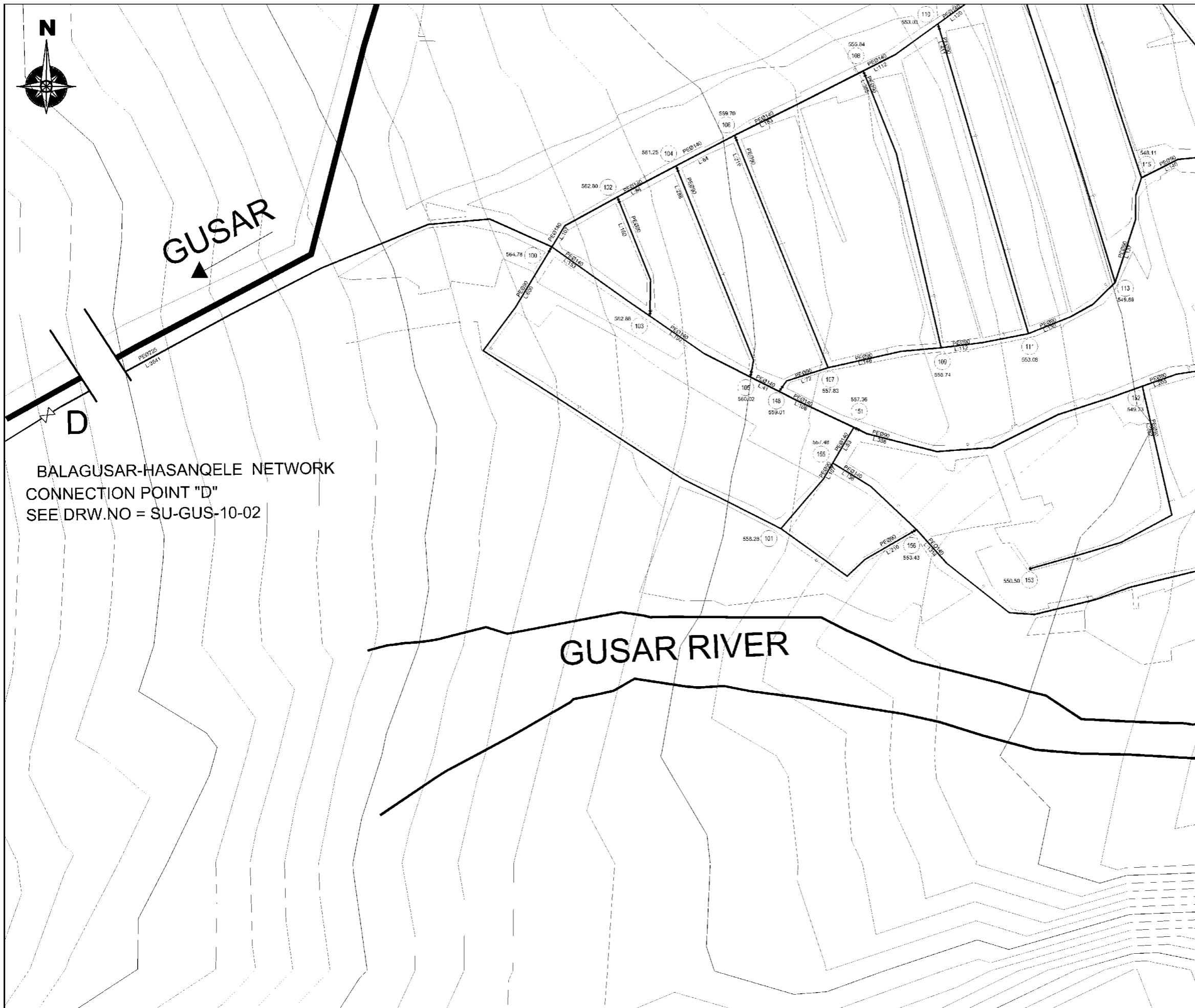
Site :
Gusar

Facility :
Balagusar-Hasanqele
Distribution Network

Title :
Layout Plan

Scale of
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Original Size of
Paper: A1

Category - City	Facility Code - Number
SU-GUS-	10-04(3)
Date	Revision Number
December 2009	Rev.0



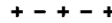

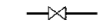




GUSAR

GUSAR RIVER

BALAGUSAR-HASANQELE NETWORK
 CONNECTION POINT "D"
 SEE DRW.NO = SU-GUS-10-02

LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR
 THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT
 IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
 the Republic of Azerbaijan
 Japan International Cooperation Agency
 (JICA), Japan

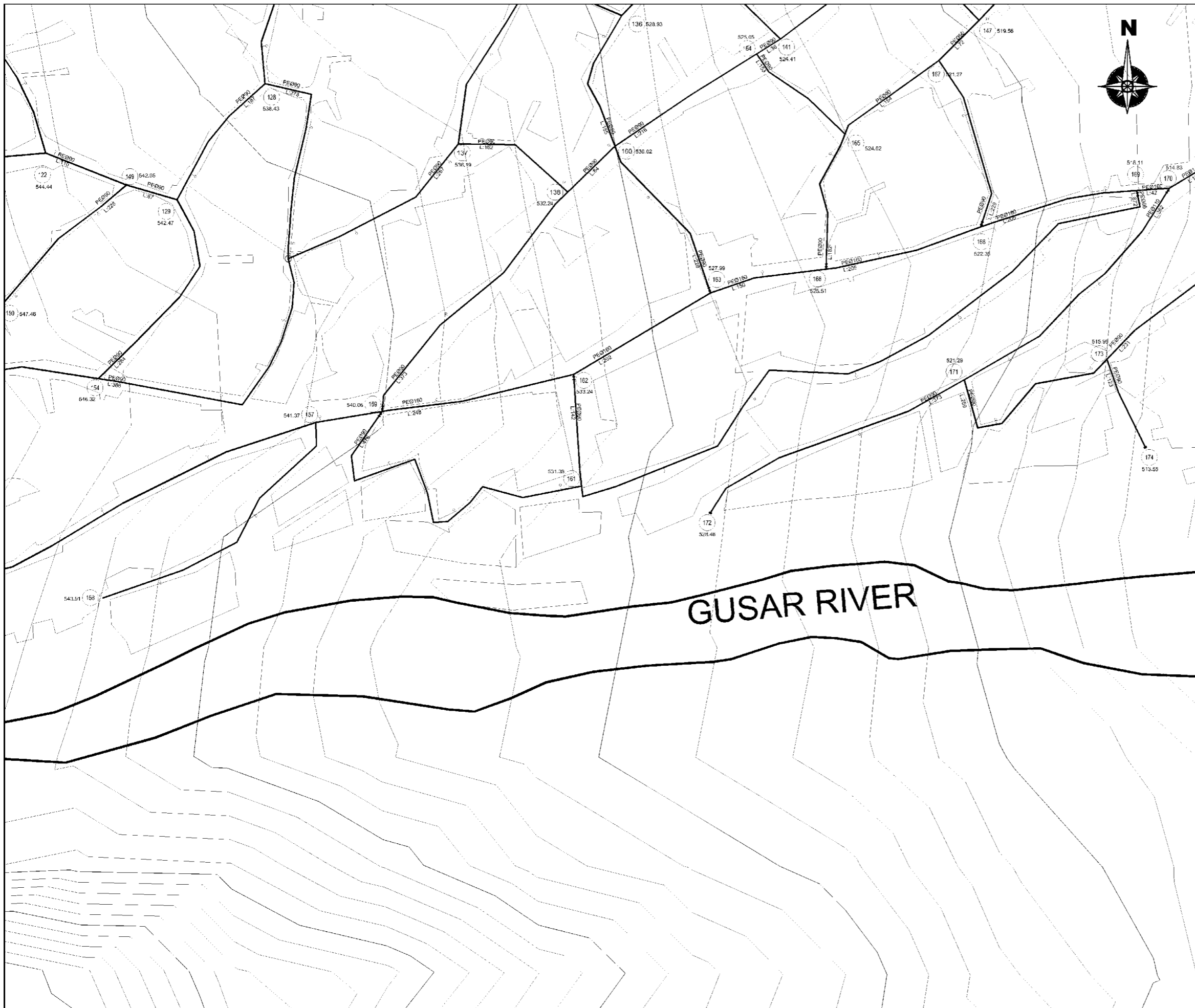
Site :
Gusar

Facility :
**Balagusar-Hasanqeale
 Distribution Network**



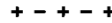

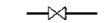


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Scale of
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 Original Size of
 Paper: **A1**

Category - City Facility Code -
SU-GUS- 10-04(4)
 Date Revision Number
December 2009 Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Qph** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :
Gusar

Facility :
**Balagusar-Hasanqele
Distribution Network**

Title :
Layout Plan



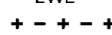
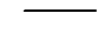
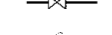


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Category - City: **SU-GUS-**
Date: **December 2009**

Facility Code - Number: **10-04(5)**
Revision Number: **Rev.0**

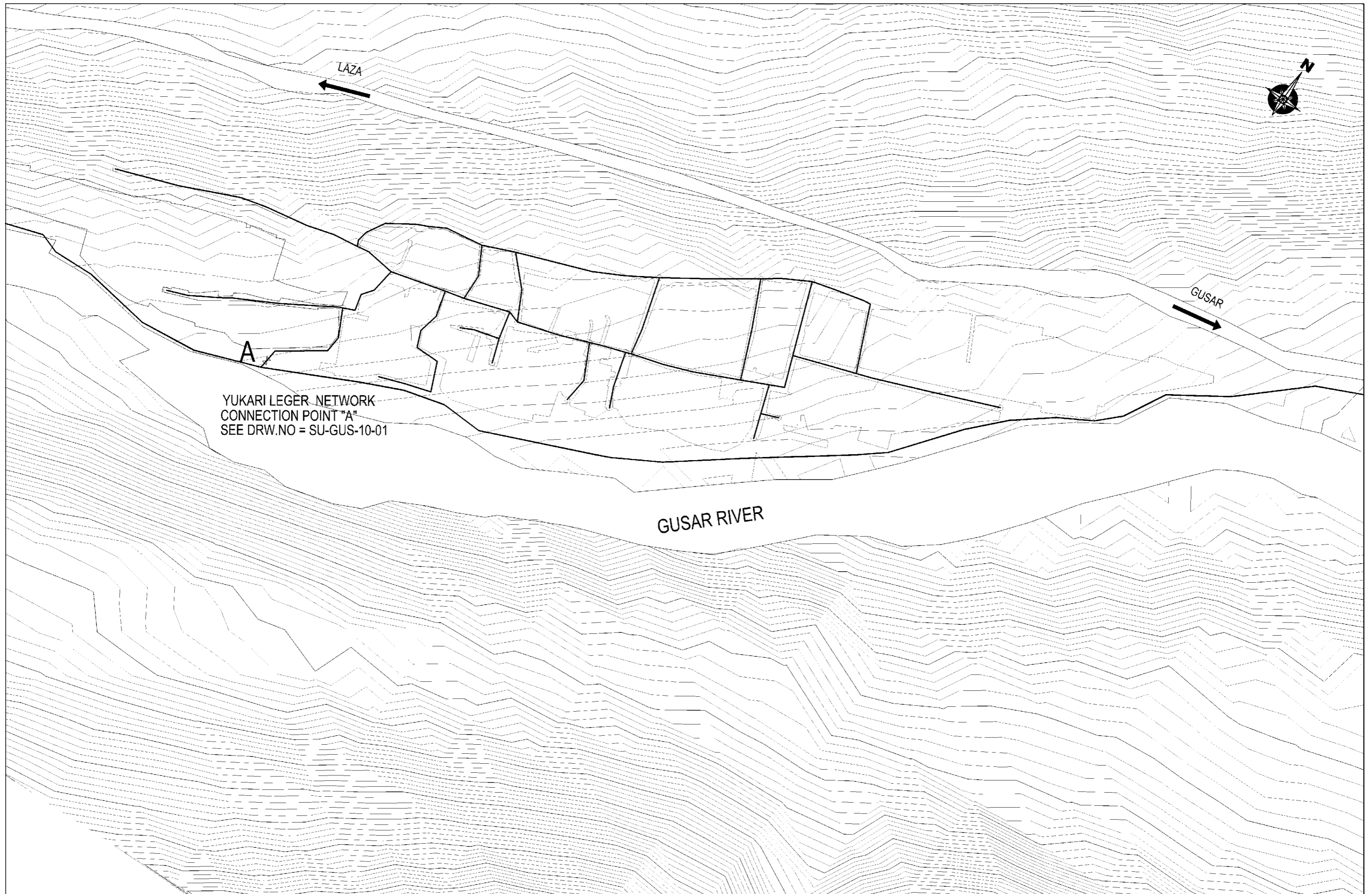


LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Q_{ph}** **Peak Hour Demand (l/s)**
- LWL** **Reservoir Low Water Level (m)**
-  **Transmission Pipe**
-  **Distribution Pipe**
-  **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49** **Node Elevation (m)**
- PE** **Polyethylene Pipe**
- GRP** **Glass Reinforced Plastic Pipe**
- Ø400** **Nominal Pipe Diameter (mm)**
- L:13** **Pipe Length (m)**

1	2	3
4	5	6

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site : Gusar	Facility : Balagusar-Hasanqele Distribution Network	Title : Layout Plan	Scale of Drawing: 1/2500	Category – City SU-GUS-	Facility Code – 10-04(6)
	Japan International Cooperation Agency (JICA), Japan				Original Size of Paper: A1	Date December 2009	Revision Number Rev.0



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR
THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT
IN THE REPUBLIC OF AZERBAIJAN

AZERSU JOINT STOCK COMPANY,
the Republic of Azerbaijan
Japan International Cooperation Agency
(JICA), Japan

Site :

Gusar

Facility :

Yukari Leger
Distribution Network

Title :

Network Plan

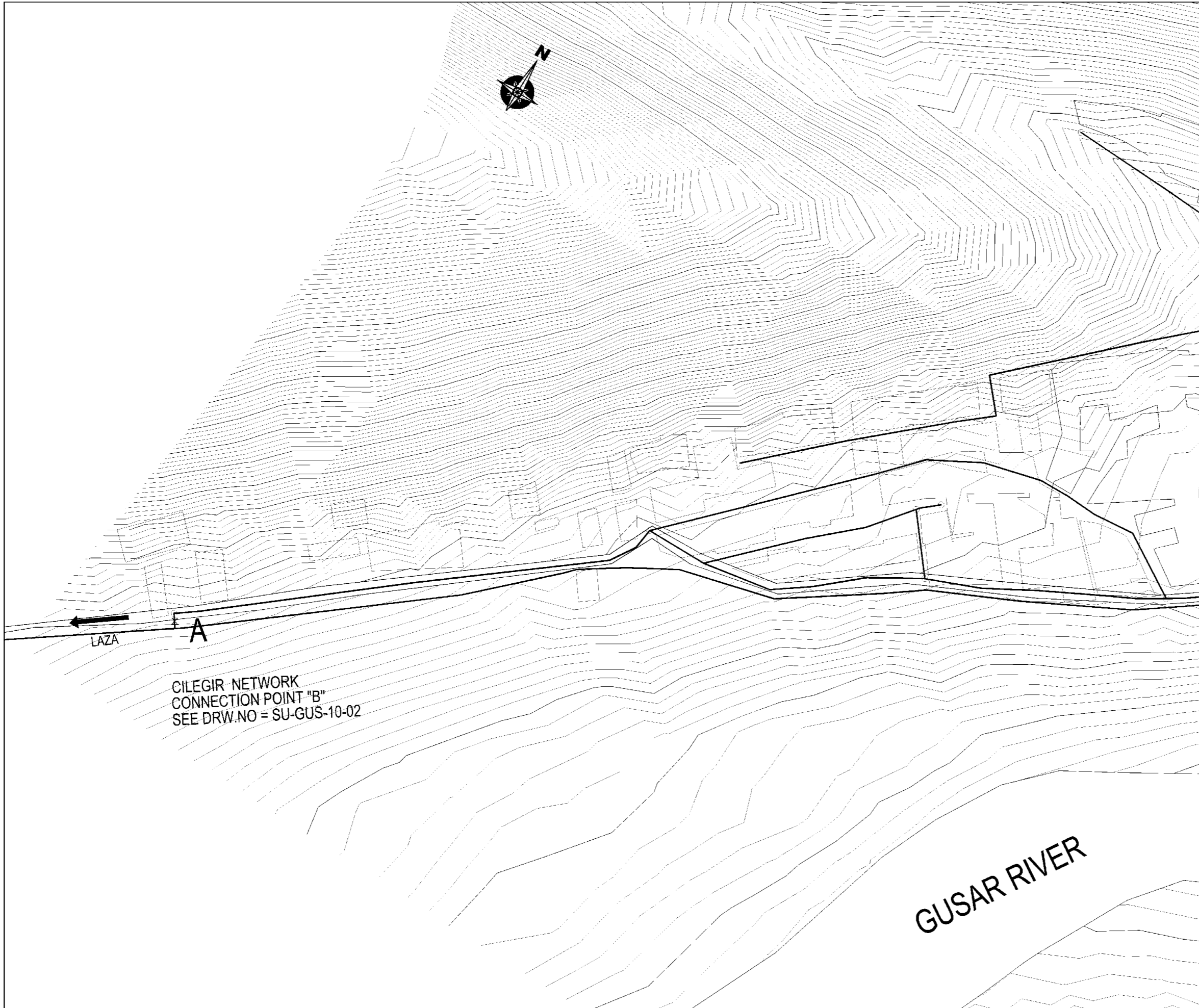
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Category - City Facility Code -
Number
SU-GUS- 10-05

Date
December 2009

Revision Number
Rev.0

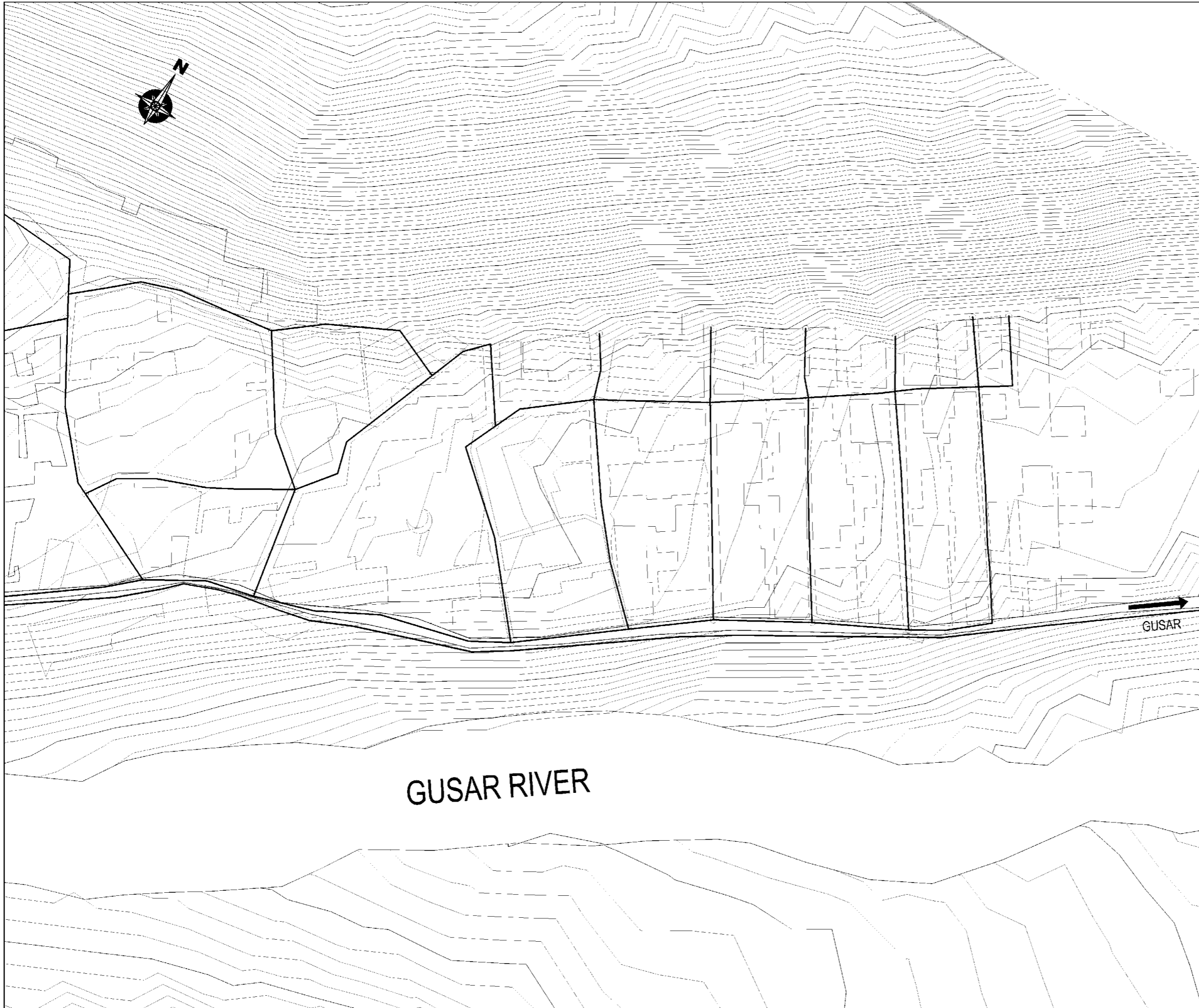


LEGEND





-  **Pressure Zone Number**
-  **Service Reservoir**
- Q_{ph} **Peak Hour Demand (l/s)**
- LWL **Reservoir Low Water Level (m)**
- + - + - + **Transmission Pipe**
- **Distribution Pipe**
- |— **Line Valve**
- ⊥ **Fire Hydrant**
-  **Zone Node Number**
- 35.49 **Node Elevation (m)**
- PE **Polyethylene Pipe**
- GRP **Glass Reinforced Plastic Pipe**
- ∅400 **Nominal Pipe Diameter (mm)**
- L:13 **Pipe Length (m)**

1	2
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan	Site :	Facility:	Title :	Scale of Drawing:	Category - City	Facility Code -
	Japan International Cooperation Agency (JICA), Japan	Gusar	Distribution Network	Network Plan	1/2500	SU-GUS-	10-06(01)
					Original Size of Paper:	Date	Revision Number
					A1	December 2009	Rev.0



LEGEND

-  **Pressure Zone Number**
-  **Service Reservoir**
- Q_{ph} **Peak Hour Demand (l/s)**
- LWL **Reservoir Low Water Level (m)**
- + - + - + **Transmission Pipe**
- **Distribution Pipe**
- X— **Line Valve**
-  **Fire Hydrant**
-  **Zone Node Number**
- 35.49 **Node Elevation (m)**
- PE **Polyethylene Pipe**
- GRP **Glass Reinforced Plastic Pipe**
- Ø400 **Nominal Pipe Diameter (mm)**
- L:13 **Pipe Length (m)**

GUSAR RIVER

1	2
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SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Gusar	Facility: Distribution Network	Title : Network Plan	Scale of Drawing: 1/2500 Original Size of Paper: A1	Category – City SU-GUS- Facility Code – 10-06(02) Date December 2009 Revision Number Rev.0

ƏLAVƏ 7

TIKINTININ XƏRC SMETASI

US\$= ¥107.1810

Review of Construction Cost of Khachmaz

(A) SAPROF										(B) SAPI				(B) -(A)	
Component	Unit	Quantity	unit Price (US\$)	Amount		Component	Unit	Quantity	Unit Price	Amount		(B) -(A)			
				(US\$)	Yen					Yen	Yen				
Facility Construction															
1)	Intake Facility-1														
1.1)	Civil works	L.S	1	160,000	17,148,960	Shaft for collection pipe (100m pitch)	shaft	10	5,100,000	5,100,000					
1.2)	Perforated collecting pipe	m	2,000	300,000	32,154,300	Perforated collecting pipe φ500mm	m	1,000	51,000	51,000,000					
1.3)	Miscellaneous works (20%)	L.S	1	92,000	9,860,652	Perforated collecting pipe φ150mm	m	2,000	2,460	4,920,000					
	Sub Total			552,000	59,163,912	Sub Total				61,020,000			1,856,088		
2)	Intake Facility-2														
2.1)	Deep wells (Dia.200 x Depth 150m)	nos	10	20,000	21,436,200	Intake Facility-2									
2.2)	Building work	nos	10	40,000	42,872,400										
2.3)	Submersible pumps (5.5kW) Dia.100mm 0.52m3	nos	10	8,800	88,000										
2.4)	Electrical facilities	set	10	7,200	7,717,032										
2.5)	Mechanical facilities	set	10	6,400	6,859,384										
2.6)	Miscellaneous works	L.S	1	82,400	8,831,714										
	Sub Total			906,400	97,148,858	Sub Total							0		
3)	Distribution reservoir-1 (5000m3)														
3.1)	Civil works	no	1	760,000	81,457,560	Distribution reservoir-1 (3,500m3 x2)	no	2	67,300,000	134,600,000					
3.2)	Mechanical works	no	1	81,000	8,681,661	Civil works	L.S	1		13,460,000					
3.3)	Miscellaneous works	L.S	1	84,100	9,013,922	Mechanical works (10%)	L.S	1		6,730,000					
	Sub Total			925,100	99,153,143	Miscellaneous works (5%)				154,790,000			55,636,857		
4)	Distribution reservoir-2 (3000m3)														
4.1)	Civil works	no	1	520,000	55,734,120	Distribution reservoir-1 (1,500m3 x2)	no	2	36,900,000	73,800,000					
4.2)	Mechanical works	no	1	66,000	7,073,946	Civil works	L.S	1		7,380,000					
4.3)	Miscellaneous works	L.S	1	58,600	6,280,807	Mechanical works (10%)	L.S	1		3,690,000					
	Sub Total			644,600	69,088,873	Miscellaneous works (5%)				84,870,000			15,781,127		
5)	Disinfection facilities-1														
5.1)	Mechanical works	unit	1	70,000	7,502,670	Disinfection facilities-1									
5.2)	Miscellaneous works	L.S	1	7,000	750,267	Mechanical works	unit	1	7,502,670	7,502,670					
	Sub Total			77,000	8,252,937	Miscellaneous works	L.S	1		750,267					
						Sub Total				8,252,937			0		

US\$= ¥107.1810

Review of Construction Cost of Khachmaz

(A) SAPROF				(B) SAPI				(B) - (A)			
Component	Unit	Quantity	Unit Price (US\$)	Amount		Component	Unit	Quantity	Unit Price Yen	Amount	
				(US\$)	Yen					Yen	Yen
6)						6)					
Disinfection facilities-2						Disinfection facilities-2					
6.1)	unit	1	70,000	70,000	7,502,670	6.1)	unit	1	7,502,670	7,502,670	
Mechanical works						Mechanical works					
6.2)	L.S	1	7,000	7,000	750,267	6.2)	L.S	1	10,718,100	750,267	
Miscellaneous works						Miscellaneous works					
Sub Total						Sub Total					8,252,937
7)						7)					
Administration building						Administration building					
7.1)	no	1	150,000	150,000	16,077,150	7.1)	no	1	16,077,150	16,077,150	
Civil and building works						Civil and building works					
7.2)	no	1	80,000	80,000	8,574,480	7.2)	no	1	8,574,480	8,574,480	
Architectural & office equipment						Architectural & office equipment					
7.3)	no	1	100,000	100,000	10,718,100	7.3)	no	1	10,718,100	10,718,100	
Laboratory equipment						Laboratory equipment					
7.4)	L.S	1	33,000	33,000	3,536,973	7.4)	L.S	1	3,536,973	3,536,973	
Miscellaneous works						Miscellaneous works					
Sub Total						Sub Total					38,906,703
											0
Total of Facility Construction						Total of Facility Construction					356,092,577
											-23,874,786
Pipeline Construction						Pipeline Construction					
1)						1)					
Raw water transmission pipelines						Raw water transmission pipelines					
1.1)	m	2,400	125	300,000	32,154,300	1.1.1)	m	2,267	15,100	34,231,700	
Pipe Dia. 450mm (GRP)						Pipe Dia. 450mm (GRP)					
1.2)	m	2,000	125	250,000	26,795,250	1.1.2)	no	2	676,000	1,352,000	
Pipe Dia. 450mm (GRP)						Isolation Valve Dia 450mm					
1.3)	L.S	1		83,000	8,896,023	1.1.3)	no	1	363,000	363,000	
Fittings and valves (15%)						Air Valve 450 X 75mm					
1.4)	L.S	1		110,000	11,789,910	1.1.4)	no	1	264,000	264,000	
Extras works such as sheeting (20%)						Wash out 450mm x 150mm					
						1.1.5)	m	2,267	160	362,720	
						Pressure test Dia 300mm~					
						1.2.1)	m	1,022	11,000	11,242,000	
						Pipe Dia. 355mm (HDPE)					
						1.2.2)	no	2	350,000	700,000	
						Isolation Valve Dia 355mm					
						1.2.3)	no	2	290,000	580,000	
						Air Valve 355 X 75mm					
						1.2.4)	no	2	144,000	288,000	
						Wash out 355mm x 75mm					
						1.2.5)	m	1,022	160	163,520	
						Pressure test Dia 300mm~					
Sub Total						Sub Total					49,346,940
											-30,088,543

US\$= ¥107.1810

Review of Construction Cost of Khachmaz

(A) SAPROF				(B) SAPI				(B) - (A)		
Component	Unit	Quantity	Unit Price (US\$)	Amount (US\$)	Amount Yen	Component	Unit	Quantity	Unit Price Yen	Amount Yen
2) Primary distribution mains										
2.1) Pipe Dia. 450mm (GRP) 16,000 x 2	m	33,200	125	4,150,000	44,801,150	Pipe Dia. 500mm (GRP)	m	2,501	17,200	43,017,200
2.2) Pipe Dia. 450mm (GRP) 1,700 x 2	m	3,400	125	425,000	45,551,925	Isolation Valve Dia 500mm	no	2	823,000	1,646,000
2.3) Fitting, valves and fire hydrants (25%)	L.S	1			0	Air Valve 500 x 75mm	no	2	378,000	756,000
2.4) Extraworks such as sheeting (20%)	L.S	1			0	Wash out 500mm x 150mm	no	2	279,000	558,000
						Pressure test Dia 300mm--	m	2,501	160	400,160
						Pipe Dia. 400mm (GRP)	m	3,625	13,100	47,487,500
						Isolation Valve Dia 400mm	no	2	552,000	1,104,000
						Air Valve 400 x 75mm	no	2	349,000	698,000
						Wash out 400mm x 100mm	no	2	208,000	416,000
						Pressure test Dia 300mm--	m	3,625	160	580,000
						Pipe bridge	m	60	300,000	18,000,000
						Pipe, leaking (crossing rail way, canal) 800hp	m	100	150,000	15,000,000
						Sub Total				129,662,860
3) Distribution networks										
3.1) HDPE Pipe Dia. 280	m	1,000	59	59,000	6,323,679	HDPE Pipe Dia. 350mm	m	264	13,900	3,669,600
						Isolation Valve Dia 350mm	no	2	453,000	910,000
3.2) HDPE Pipe Dia. 200	m	8,000	51	408,000	43,729,848	Flange End Dia. 350mm	no	3	86,000	258,000
						HDPE Pipe Dia. 300mm	m	1,899	11,900	22,598,100
3.3) HDPE Pipe Dia. 160	m	11,000	39	429,000	45,980,649	Isolation Valve Dia 300mm	no	3	350,000	1,050,000
						Flange End Dia. 300mm	no	5	69,000	345,000
3.4) HDPE Pipe Dia. 140	m	14,000	35	490,000	52,518,690	HDPE Pipe Dia. 250mm	m	5,300	9,160	48,548,000
						Isolation Valve Dia 250mm	no	6	262,000	1,572,000
3.5) HDPE Pipe Dia. 110	m	25,000	28	700,000	75,036,700	Flange End Dia. 250mm	no	10	37,800	378,000
						HDPE Pipe Dia. 200mm	m	4,543	7,280	33,073,040
3.6) HDPE Pipe Dia. 90	m	13,000	25	325,000	34,833,825	Isolation Valve Dia 200mm	no	11	175,000	1,925,000
						Flange End Dia. 200mm	no	22	23,200	554,400
3.7) HDPE Pipe Dia. 65	m	9,000	20	180,000	19,292,580	HDPE Pipe Dia. 150mm	m	4,932	4,670	23,032,440
						Isolation Valve Dia 150mm	no	9	158,000	1,422,000
3.8) Fitting, valves and fire hydrants (30%)	L.S	1		777,000	83,279,637	Flange End Dia. 150mm	no	14	17,200	240,800
3.9) Extraworks such as sheeting (20%)	L.S	1		518,000	55,519,758	HDPE Pipe Dia. 125mm	m	8,756	4,240	37,040,640

Review of Construction Cost of Khachmaz US\$= ¥107.1810

(A) SAPROF				(B) SAPI				(B) - (A)		
Component	Unit	Quantity	Unit Price (US\$)	Amount (US\$)	Component	Unit	Quantity	Unit Price	Amount	
				Yen				Yen	Yen	
					3.6.2)	Isolation Valve Dia 125mm	no	20	131,000	2,620,000
					3.6.3)	Flange End Dia 125mm	no	32	13,200	422,400
					3.7.1)	HDPE Pipe Dia. 100mm	m	30,386	3,660	111,212,760
					3.7.2)	Isolation Valve Dia 100mm	no	106	113,000	11,978,000
					3.7.3)	Flange End Dia. 100mm	no	217	9,160	1,987,720
					3.8.1)	HDPE Pipe Dia. 80mm	m	88,986	3,350	298,103,100
					3.8.2)	Isolation Valve Dia 80mm	no	226	102,000	23,052,000
					3.8.3)	Flange End Dia. 80mm	no	520	7,370	3,832,400
					3.9)	Hydrant	no	717	125,000	89,625,000
					3.10)	Pressure test Dia 300mm~	m	8,289	160	1,326,240
					3.11)	Pressure test Dia 200~300mm	m	9,843	90	885,870
					3.11)	Pressure test Dia 80~200mm	m	133,040	50	6,652,000
						Sub Total	m	145,046		728,314,510
						Total of Pipeline Construction				907,524,310
						House Connection				
1)					1)	Water meters				
					1.1)	Domestic water meters 5m3/h	nos	11,023	2,500	23,629,123
					1.2)	Non-Domestic water meters 20m3/h	nos	250	14,000	1,071,810
						Sub Total				24,700,933
2)					2)	House connection pipes, branch equipment, meter box				
					2.1)	Pipes, branch equipment, meter box valve	sets	11,023	7,000	77,161,000
					2.2)	Pipes and couplings for non-domestic	sets	250	20,000	803,858
						Sub Total				77,964,858
						Total of House Connection				102,665,791
						Grand Total				1,366,282,678
										-43,405,242

US\$= ¥107,1810

Review of Construction Cost of Gusar

		(A) SAPROF				(B) SAPI				(B) - (A)		
	Component	Unit	Quantity	unit Price	Amount		Component	Unit	Quantity	Unit Price	Amount	
				(US\$)	(US\$)	Yen				Yen	Yen	Yen
Facility Construction												
1)	Intake Facility-1											
1.1)	Civil works	LS	1		100,000	10,718,100	Shaft for collection pipe (100m pitch)	shaft	15	980,000	14,700,000	
1.2)	Perforated collecting pipe	m	1,000	150	150,000	16,077,150	Perforated collecting pipe φ500mm	m	1,500	51,000	76,500,000	
1.3)	Miscellaneous works (20%)	LS	1		50,000	5,359,050						
	Sub Total				300,000	32,154,300	Sub Total				91,200,000	59,045,700
2)	Pump station											
2.1)	Civil and building works	nos	1	72,000	72,000	7,717,032						
2.2)	Centrifugal pumps 22kW 3φ unit	nos	4	18,000	72,000	7,717,032						
2.3)	Electrical facilities	LS	1		2,900	310,825						
2.4)	Mechanical facilities	LS				0						
2.5)	Miscellaneous works	LS				0						
	Sub Total					146,900	Sub Total				0	-15,744,889
3)	Distribution reservoir (5,000m ³)											
3.1)	Civil works	no	1	760,000	760,000	81,457,560	Distribution reservoir	no	4	28,400,000	113,600,000	
3.2)	Mechanical works	no	1	81,000	81,000	8,681,661	Reservoir 1,000m ³ Mechanical (10%)	LS	1		11,360,000	
3.3)	Miscellaneous works	LS	1		84,100	9,013,922	Reservoir 1,000m ³ Miscellaneous (5%)	LS	1		5,680,000	
							Reservoir 700m ³ Civil works	no	2	25,500,000	51,000,000	
							Reservoir 700m ³ Mechanical (10%)	LS	1		5,100,000	
							Reservoir 700m ³ Miscellaneous (5%)	LS	1		2,550,000	
							Reservoir 500m ³ Civil works	no	2	21,700,000	43,400,000	
							Reservoir 500m ³ Mechanical (10%)	LS	1		4,340,000	
							Reservoir 500m ³ Miscellaneous (5%)	LS	1		2,170,000	
	Sub Total				925,100	99,153,143	Sub Total				239,200,000	140,046,857
4)	Disinfection facilities											
4.1)	Mechanical works	unit	1	40,000	40,000	4,287,240	Disinfection facilities					
4.2)	Miscellaneous works	LS	1		4,000	428,724	Mechanical works	unit	4	4,287,240	17,148,960	
	Sub Total				44,000	4,715,964	Miscellaneous works (10%)	LS	1		1,714,896	
5)	Administration building											
5.1)	Civil and building works	no	1	250,000	250,000	26,795,250	Administration building					
5.2)	Architectural & office equipment	no	1	120,000	120,000	12,861,720	Civil and building works	no	1	26,795,250	26,795,250	
							Architectural & office equipment	no	1	12,861,720	12,861,720	

US\$= ¥107.1810

Review of Construction Cost of Gusar

(A) SAPROF				(B) SAPI				(B) - (A)			
Component	Unit	Quantity	unit Price (US\$)	Amount		Component	Unit	Quantity	Unit Price Yen	Amount	
				(US\$)	Yen					Yen	Yen
5.3) Laboratory equipment	no	1	100,000	100,000	10,718,100	Laboratory equipment	no	1	10,718,100	10,718,100	
5.4) Miscellaneous works	LS	1		47,000	5,037,507	Miscellaneous works	LS	1		5,037,507	
	Sub Total				55,412,577	Sub Total				55,412,577	0
Total of Facility Construction				1,933,000	207,180,873	Total of Facility Construction				404,676,433	197,495,560
Pipeline Construction											
1) Raw water transmission pipelines						Raw water transmission pipelines					
1.1) Pipe Dia. 350mm (HDPE)	m	1,000	94	94,000	10,075,014						
1.2) Fittings and valves (15%)	LS	1		14,000	1,500,534						
1.3) Extraworks such as sheeting (20%)	LS	1		19,000	2,056,439						
	Sub Total				127,000	13,611,987	Sub Total				0
2) Clean water transmission pipelines						Clean water transmission pipelines					
2.1) Intake to Reservoir Pipe Dia. 350mm (HDPE)	m	10,000	94	940,000	100,750,140	Pipe Dia. 400mm (GFRP)	m	14,933	13,100	195,622,300	
2.2) Fittings and valves (15%)	LS	1		0	0	Isolation Valve Dia 400mm	no	6	552,000	3,312,000	
2.3) Extraworks such as sheeting (20%)	LS	1		0	0	Air Valve 400 X 75mm	no	6	349,000	2,094,000	
						Wash out 400mm X 75mm	no	6	208,000	1,248,000	
						Pipe Dia. 140mm (HDPE)	m	4,681	2,950	13,808,950	
						Isolation Valve Dia 140mm	no	2	144,000	288,000	
						Air Valve 140 X 75mm	no	2	173,000	346,000	
						Wash out 140mm X 75mm	no	2	110,000	220,000	
						Pipe Dia. 200mm (HDPE)	m	279	5,390	1,503,810	
						Isolation Valve Dia 200mm	no	1	175,000	175,000	
						Air Valve 200 X 75mm	no	1	178,000	178,000	
						Wash out 200mm X 75mm	no	1	116,000	116,000	
						Pipe Dia. 180mm (HDPE)	m	2,443	3,470	8,477,210	
						Isolation Valve Dia 180mm		1	158,000	158,000	
						Air Valve 180 X 75mm		1	174,000	174,000	
						Wash out 180mm X 75mm		1	112,000	112,000	
	Sub Total			940,000	100,750,140	Sub Total				227,833,270	127,083,130
3) Primary distribution mains						Primary distribution mains					
3.1) Reservoir to Gusar Pipe Dia. 350mm (HDPE)	m	3,000	94	282,000	30,225,042						
3.2) Fitting, valves and line hydrants (25%)	LS	1		71,000	7,609,851						

US\$= ¥107.1810

Review of Construction Cost of Gusar

		(A) SAPROF				(B) SAPI				(B) - (A)		
3.3)	Component	Unit	Quantity	unit Price	Amount		Component	Unit	Quantity	Unit Price	Amount	
				(US\$)	(US\$)	Yen				Yen	Yen	Yen
	Extraworks such as sheetings (20%)	L.S	1		56,000	6,002,136						
	Sub Total				409,000	43,837,029						0
4)	Distribution networks											
4.1)	HDPE Pipe Dia. 280	m	1,000	59	59,000	6,323,679	4.1.1)	m	412	11,900	4,902,800	
							4.1.2)	no	1	350,000	350,000	
4.2)	HDPE Pipe Dia. 200	m	3,000	51	153,000	16,398,693	4.1.3)	no	1	69,000	69,000	
							4.2.1)	m	1,965	9,160	17,999,400	
4.3)	HDPE Pipe Dia. 160	m	5,000	39	195,000	20,900,295	4.2.2)	no	2	262,000	524,000	
							4.2.3)	no	4	37,800	151,200	
4.4)	HDPE Pipe Dia. 140	m	8,000	35	280,000	30,010,680	4.3.1)	m	6,077	7,280	44,240,560	
							4.3.2)	no	10	175,000	1,750,000	
4.5)	HDPE Pipe Dia. 110	m	10,000	28	280,000	30,010,680	4.3.3)	no	18	25,200	453,600	
							4.4.1)	m	6,210	4,670	29,000,700	
4.6)	HDPE Pipe Dia. 90	m	10,000	25	250,000	26,795,250	4.4.2)	no	8	158,000	1,264,000	
							4.4.3)	no	16	17,200	275,200	
4.7)	HDPE Pipe Dia. 65	m	6,000	20	120,000	12,861,720	4.5.1)	m	9,677	4,240	41,080,480	
							4.5.2)	no	12	131,000	1,572,000	
4.8)	Fitting, valves and fire hydrants (30%)	L.S	1		401,000	42,979,581	4.5.3)	no	24	13,200	316,800	
4.9)	Extraworks such as sheetings (20%)	L.S	1		267,000	28,617,327	4.6.1)	m	10,635	3,660	38,924,100	
							4.6.2)	no	37	113,000	4,181,000	
							4.6.3)	no	76	9,160	696,160	
							4.7.1)	m	49,960	3,350	167,366,000	
							4.7.1)	no	127	102,000	12,954,000	
							4.7.1)	no	292	7,370	2,152,040	
							4.8)	no	647	125,000	80,875,000	
							4.9)	m	412	160	65,920	
							4.10)	m	8,042	90	723,780	
							4.11)	m	76,482	50	3,824,100	
	Sub Total	m	43,000		2,005,000	214,897,905					455,661,840	240,763,935
	Total of Pipeline Construction				3,481,000	373,097,061	Total of Pipeline Construction				683,495,110	310,398,049

US\$= ¥107.1810

Review of Construction Cost of Gusar

(A) SAPROF				(B) SAPI				(B) - (A)				
Component	Unit	Quantity	unit Price (US\$)	Amount		Component	Unit	Quantity	Unit Price Yen	Amount		
				(US\$)	Yen					Yen	Yen	
House Connection												
1) Water meters												
1.1) Domestic water meters	nos	5,305	20	106,100	11,371,904		nos	5,305	2,500	13,262,500		
1.2) Non-Domestic water meters	nos	250	40	10,000	1,071,810		nos	250	14,000	3,500,000		
Sub Total				116,100	12,443,714					16,762,500		4,318,786
2) House connection pipes												
2.1) Pipes and couplings for domestic	sets	5,305	15	79,575	8,528,928		sets	5,305	7,000	37,135,000		
2.2) Pipes and couplings for non-domestic	sets	250	30	7,500	803,858		sets	250	20,000	5,000,000		
Sub Total				87,075	9,332,786					42,135,000		32,802,214
Total of House Connection				203,175	21,776,500		Total of House Connection			58,897,500		37,121,000
Grand Total				5,617,175	602,054,434		Grand Total			1,147,069,043		545,014,609