



**ACTION AGAINST HUNGER  
DAIKUNDI OFFICE  
WASH DEPARTMENT**

**(TECHNICAL DRAWING PART)**

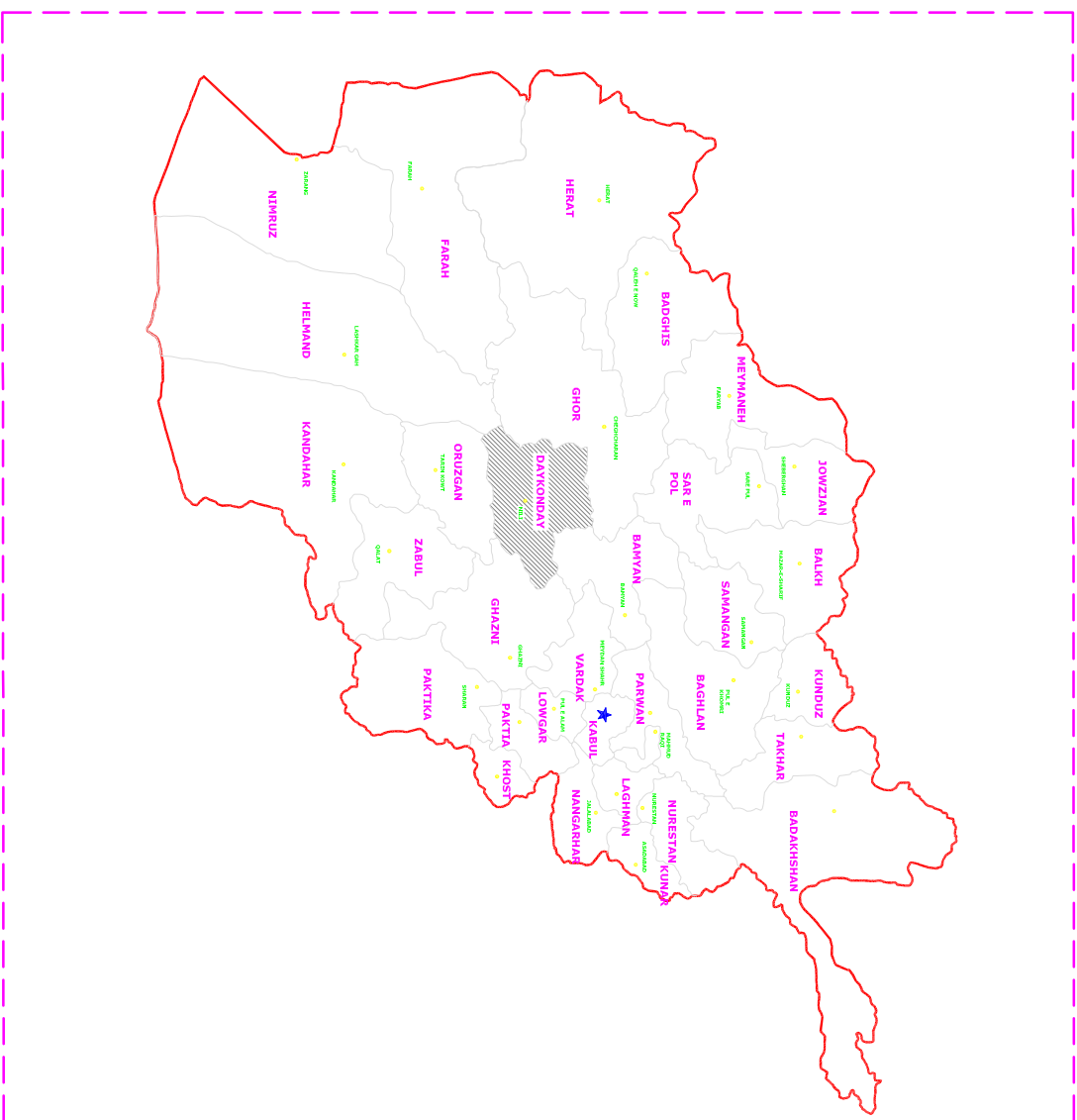
**PROJECT NAME:**  
**WATER SUPPLY NETWORK PROJECT**

**JUN, 10, 2024**

**PREPARED BY: WASH DEPARTMENT**

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# LOCATION OF PROJECT AT DAIKUNDI, AFGHANISTAN



DW.No:

G-102

Action Against Hunger

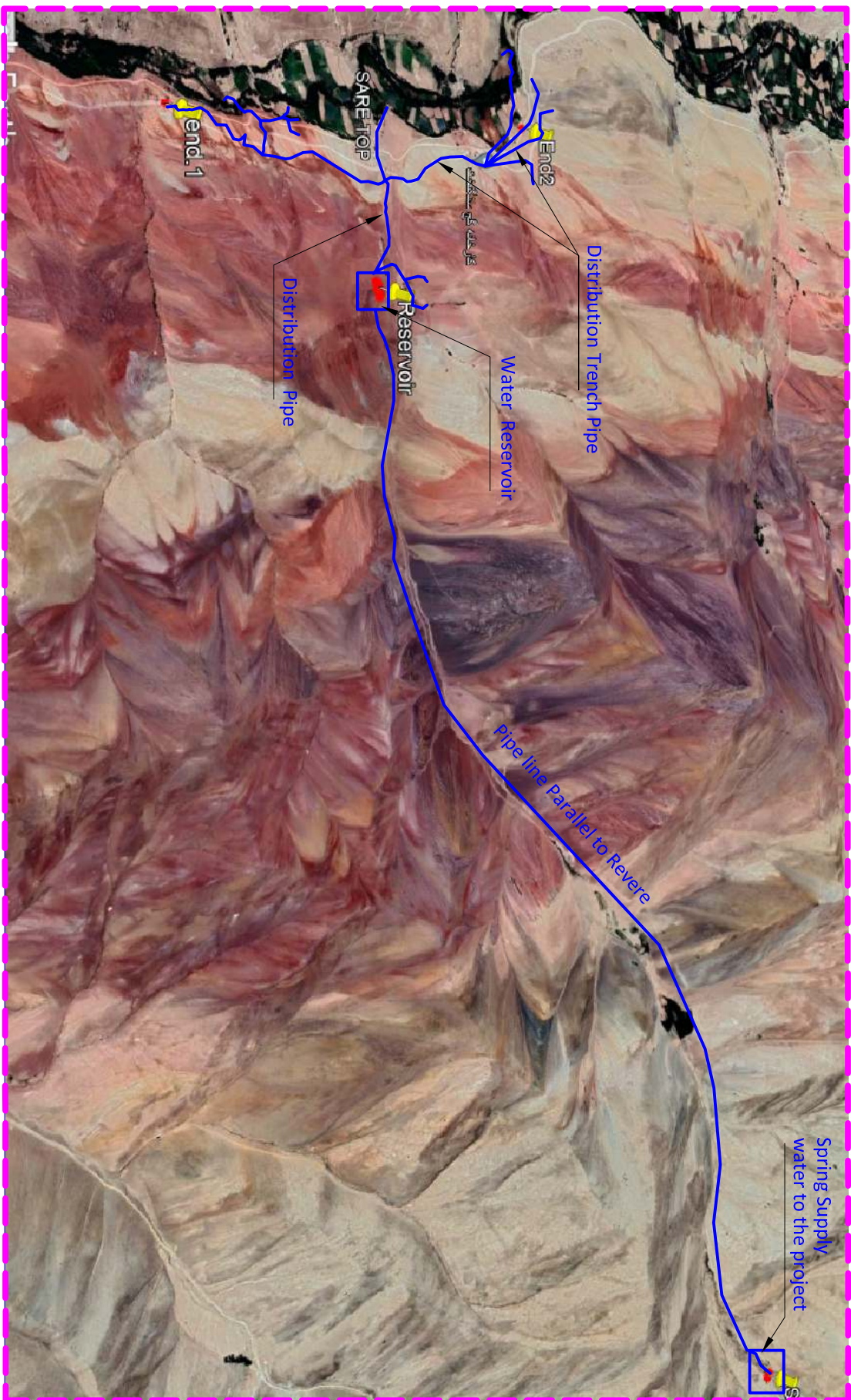
WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yaddullah Jalali

Scale:

Note: All dimension are in millimeter

# SITE PLAN OF PITABI WA SARY TOOP NETWORKING PROJECT



DW.No:

G-103

Action Against Hunger

WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	(.....)	Approved by	Yaddullah Jalali

Scale:


Note: All dimension are in millimeter

- 1- All dimensions are in mm unless otherwise stated.
- 2- All PCC works should be with 1:2:4 mortar unless otherwise stated.
- 3- All RCC works should be with 1:1.5:3 mortar unless otherwise stated.
- 4- Stone masonry must be worked with 1:4 mortar unless otherwise stated.
- 5- Curing must be continued upto 28 days.
- 6- Clear and Clean water must be used every where.

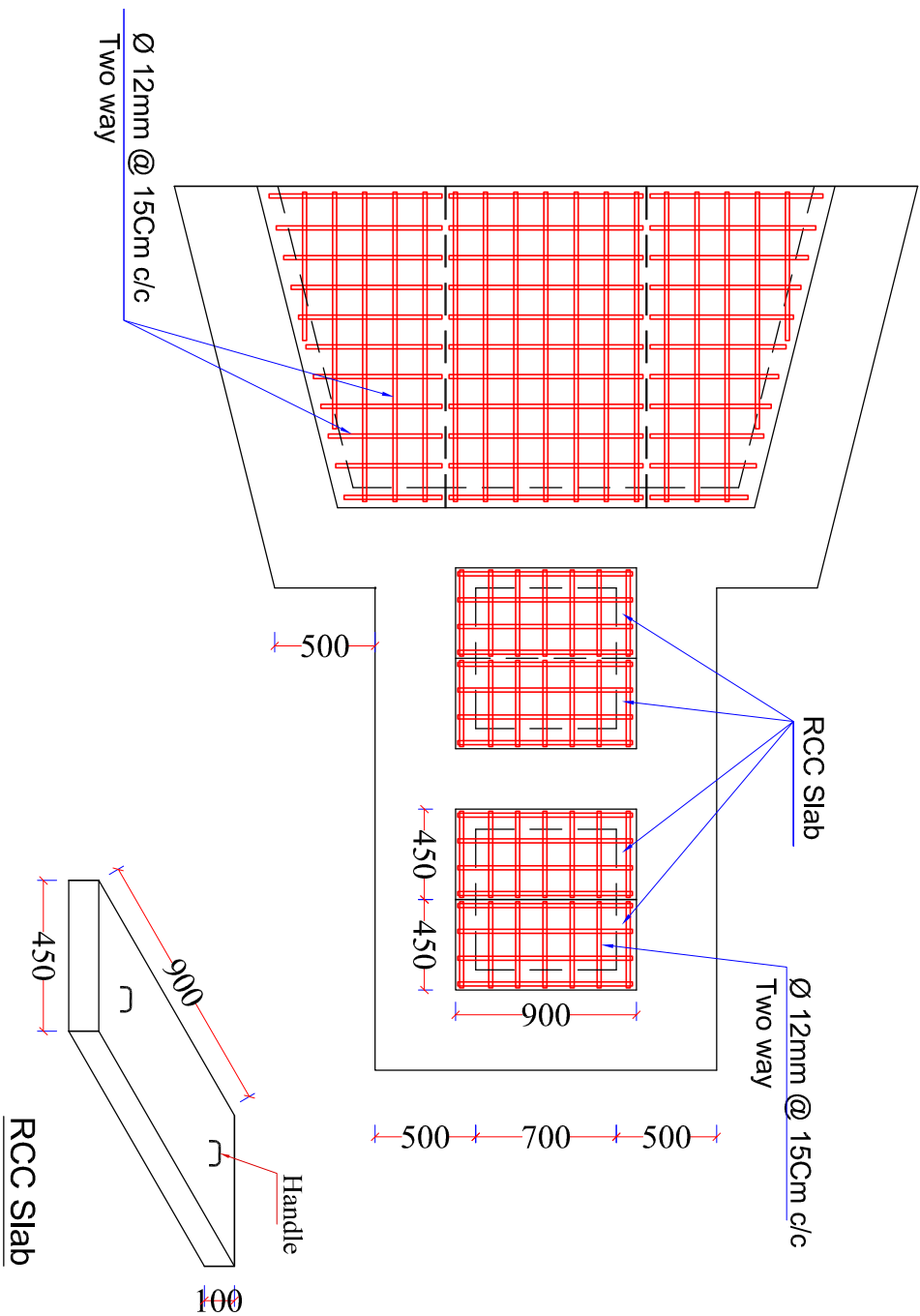
The diagram illustrates a spring protection plan for a U-shaped spring. Key dimensions and features include:

- Overall Dimensions:** The total width of the spring is 2669 units, and the total length is 2400 units.
- Internal Dimensions:** The inner width of the U-shape is 1919 units, and the inner length is 1500 units.
- Offsets:** The spring is offset by 500 units from the centerline on both sides.
- Labels:**
  - Variable according to the site:** Indicated on the sloped sides of the U-shape.
  - Over flow pipe:** Located at the top right of the spring.
  - Outlet pipes:** Located at the bottom right of the spring.
  - Washing pipe:** Located at the bottom left of the spring.
- Orientation:** The spring is oriented with its top towards the right side of the diagram.

All GI and polyethylene pipes diameters must chose according to BoQ specification

	DW.No:	Action Against Hunger				Scale:
		WASH Department				Note: All dimension are in millimeter
	A-101	Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh	
		Province	Daikundi	Chick by	Mohamad Nekandesh	
District		Sangtakht-Bandar	Approved by	Yaddullah Jalali		

# Spring Protection Structure Reinforcement



DW.No:

A-102

Action Against Hunger

WASH Department

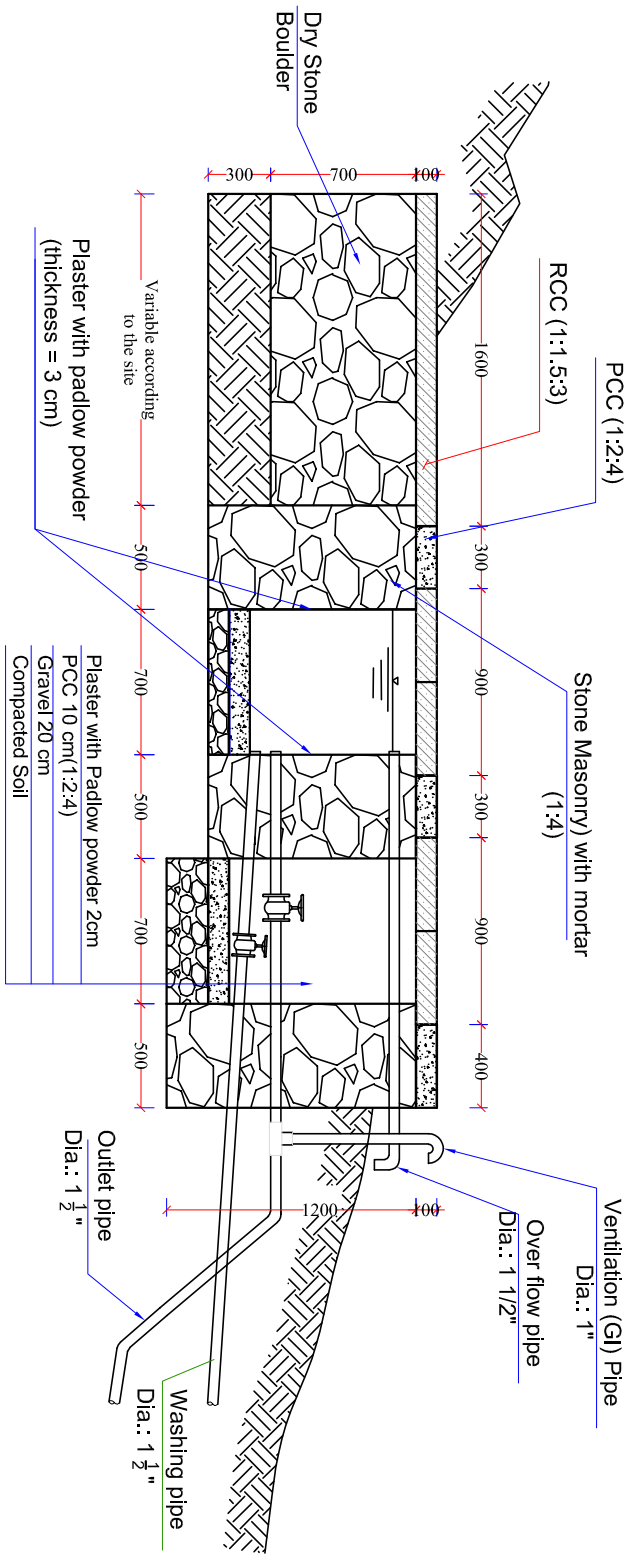
Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yaddullah Jalali

Scale:

Note: All dimension are in millimeter



**Note:**  
The inside of sedimentation and gate valve box should be plastered with cement-sand mortar and padlow powder.



**Section A - A**

**Note:**  
All GI and polyethylene pipes diameters must chose according to BoQ specification



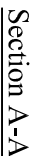
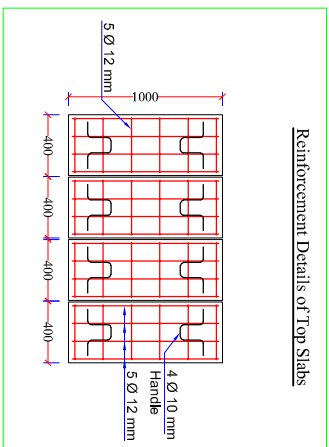
DW.No:  
  
A-103

Action Against Hunger			
WASH Department			
Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yaddullah Jalali

Scale:  
  
Note: All dimension are in millimeter

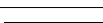


## BREAK PRESSURE TANK



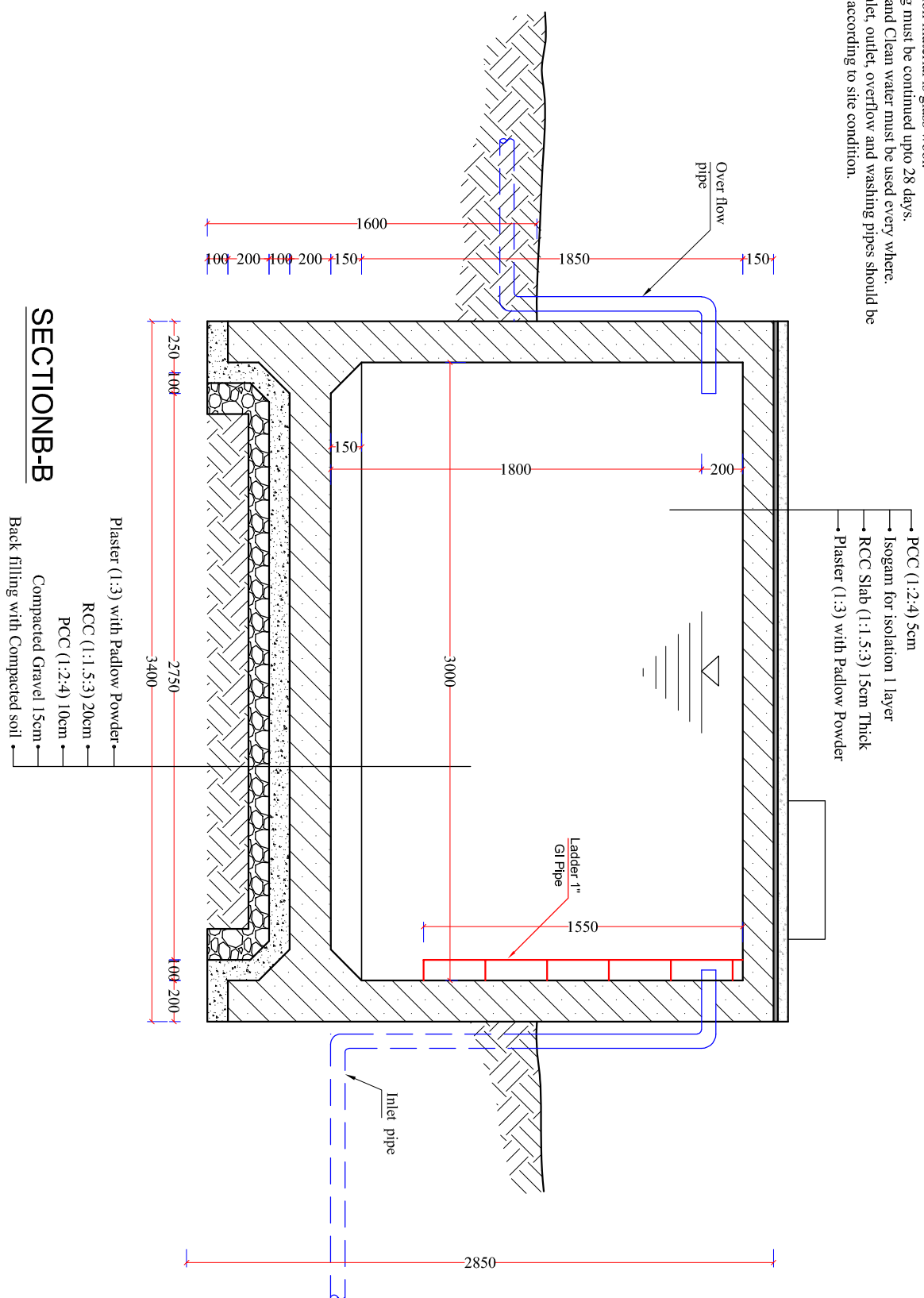
All GI pipe and polyethylene pipe diameters chose according to BoQ specification

SCALE: 1:20

	DW.No:	Action Against Hunger				Scale:
		WASH Department				Note: All dimension are in millimeter
	A-104	Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh	
		Province	Daikundi	Chick by	Mohamad Nekandesh	
District		Sangtakht–Bandar	Approved by	Yaddullah Jalali		



- Note:**
- 1- All dimensions are in cm unless otherwise stated.
  - 2- During RCC work vibrator must be used to avoid water leakage from reservoir.
  - 3- All PCC works should be with 1:2:4 mortar unless otherwise stated.
  - 4- All RCC works should be with 1:1.5:3 mortar.
  - 5- Isolation material is glass wool.
  - 7- Curing must be continued upto 28 days.
  - 8- Clear and Clean water must be used every where.
  - 9- The inlet, outlet, overflow and washing pipes should be adjusted according to site condition.



DW.No:

A-107

## Action Against Hunger

WASH Department

Project Name	
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Water Supply
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Province

Daikundi

District

	Sangtakht-Bandar
--	------------------

Design&Drawing by

Click by

Approved by

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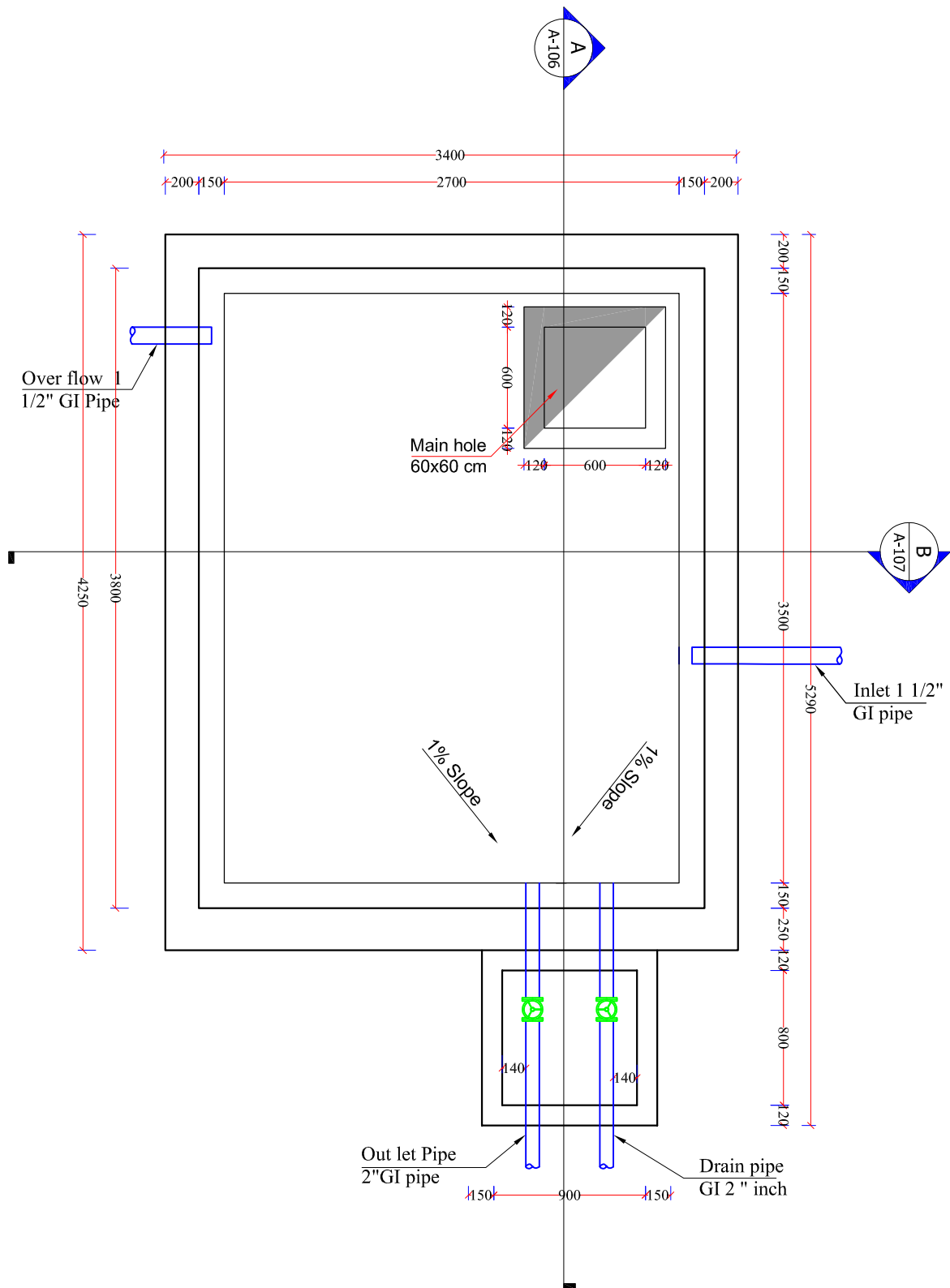
Mohamad Nekandesh

Mohamad Nekandesh

Yadullah Jalali

Scale:

Note: All dimension are in millimeter



DW.No:

A-105

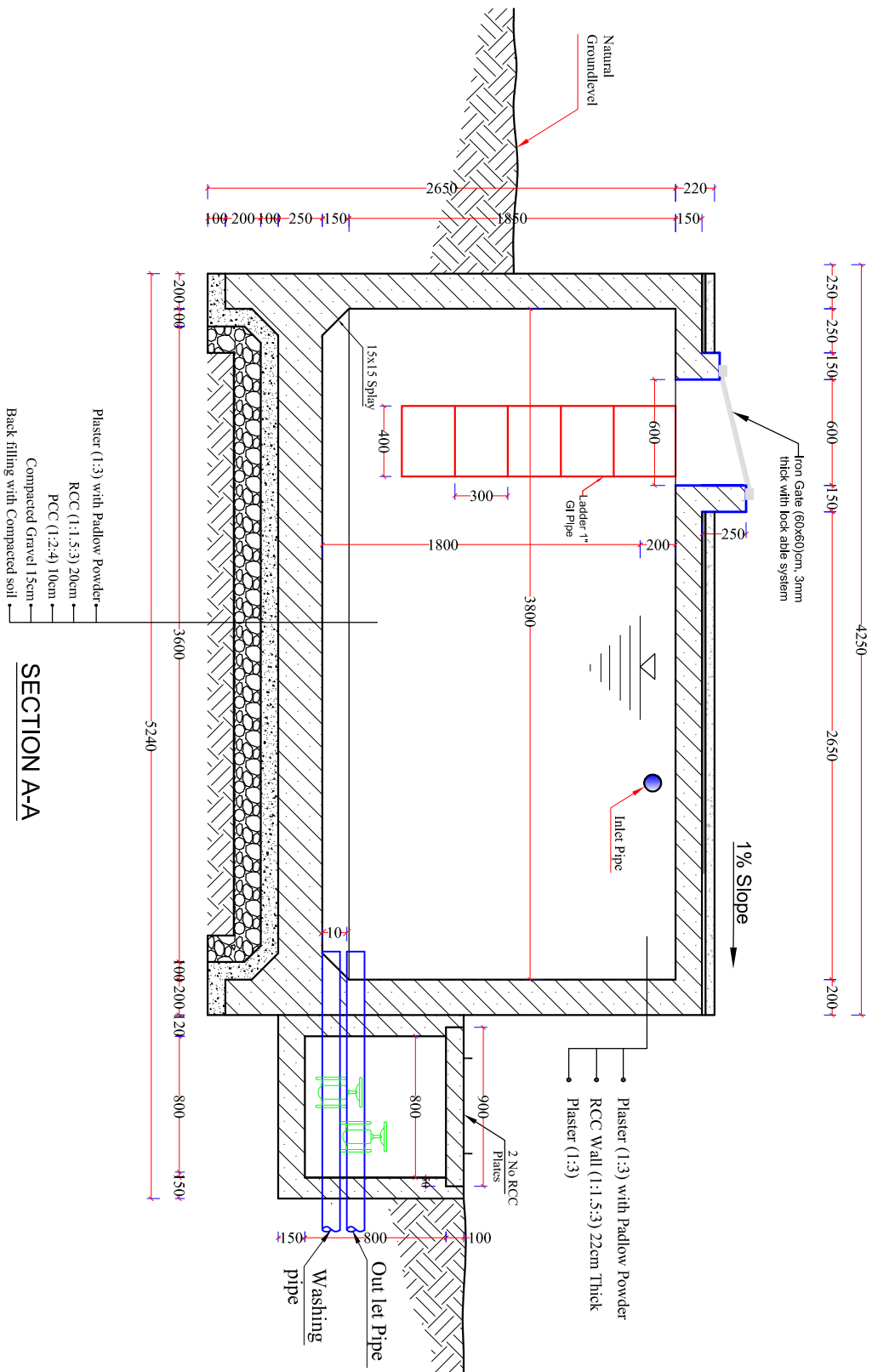
Action Against Hunger

WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yadullah Jalali

Scale:

Note: All dimension are in millimeter



DW.No:

A-106

Action Against Hunger

WASH Department

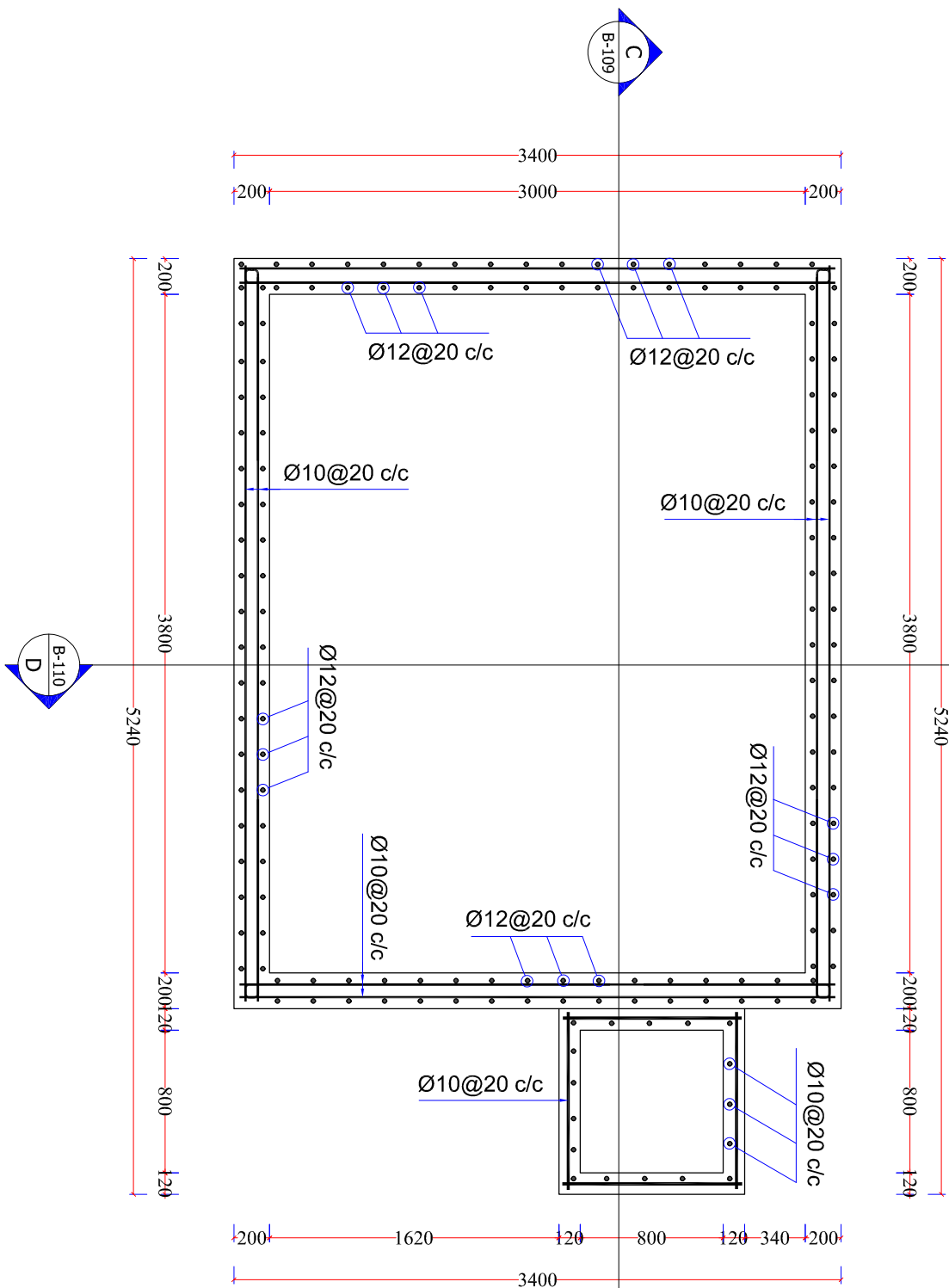
Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yadullah Jalali

Scale:

Note: All dimension are in millimeter



- Note:**
- 1- All dimensions are in cm unless otherwise stated.
  - 2- During RCC work vibrator must be used to avoid water leakage from reservoir.
  - 3- All PCC works should be with 1:2:4 mortar unless otherwise stated.
  - 4- All RCC works should be with 1:1.5:3 mortar.
  - 5- Isolation material is glass wool.
  - 7- Curing must be continued upto 28 days.
  - 8- Clear and Clean water must be used every where.
  - 9- The inlet, outlet, overflow and washing pipes should be adjusted according to site condition.



A-108 STRUCTURAL HORIZONTAL SECTION

SCALE: 1:20



DW.No:

A-108

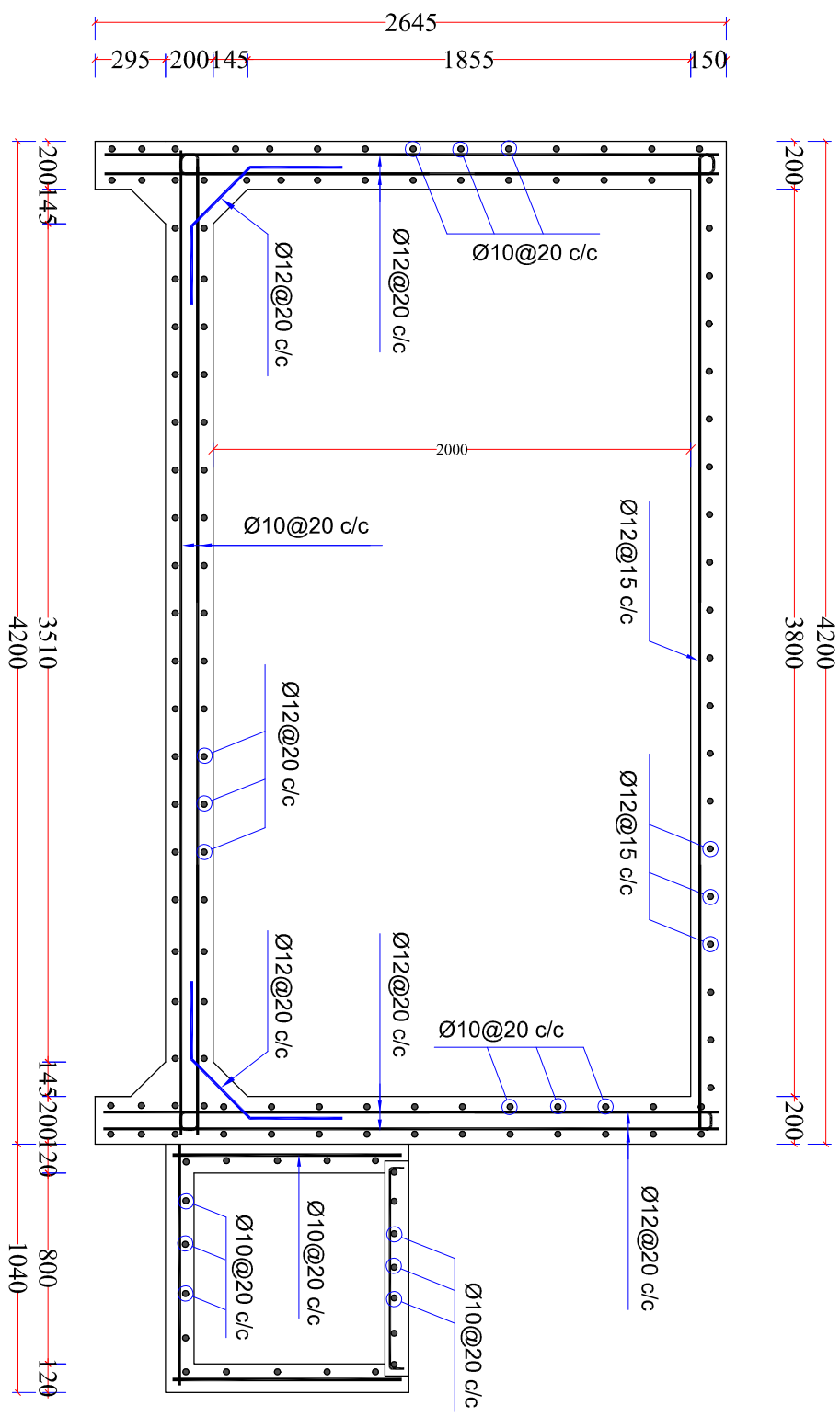
Action Against Hunger

WASH Department

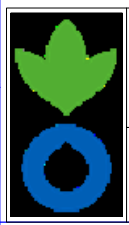
Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yadullah Jalali

Scale:

Note: All dimension are in millimeter



A-109 STRUCTURAL LONGITUDINAL SECTION C-C  
REF:  
SCALE: 1:20



DW.No:

A-109

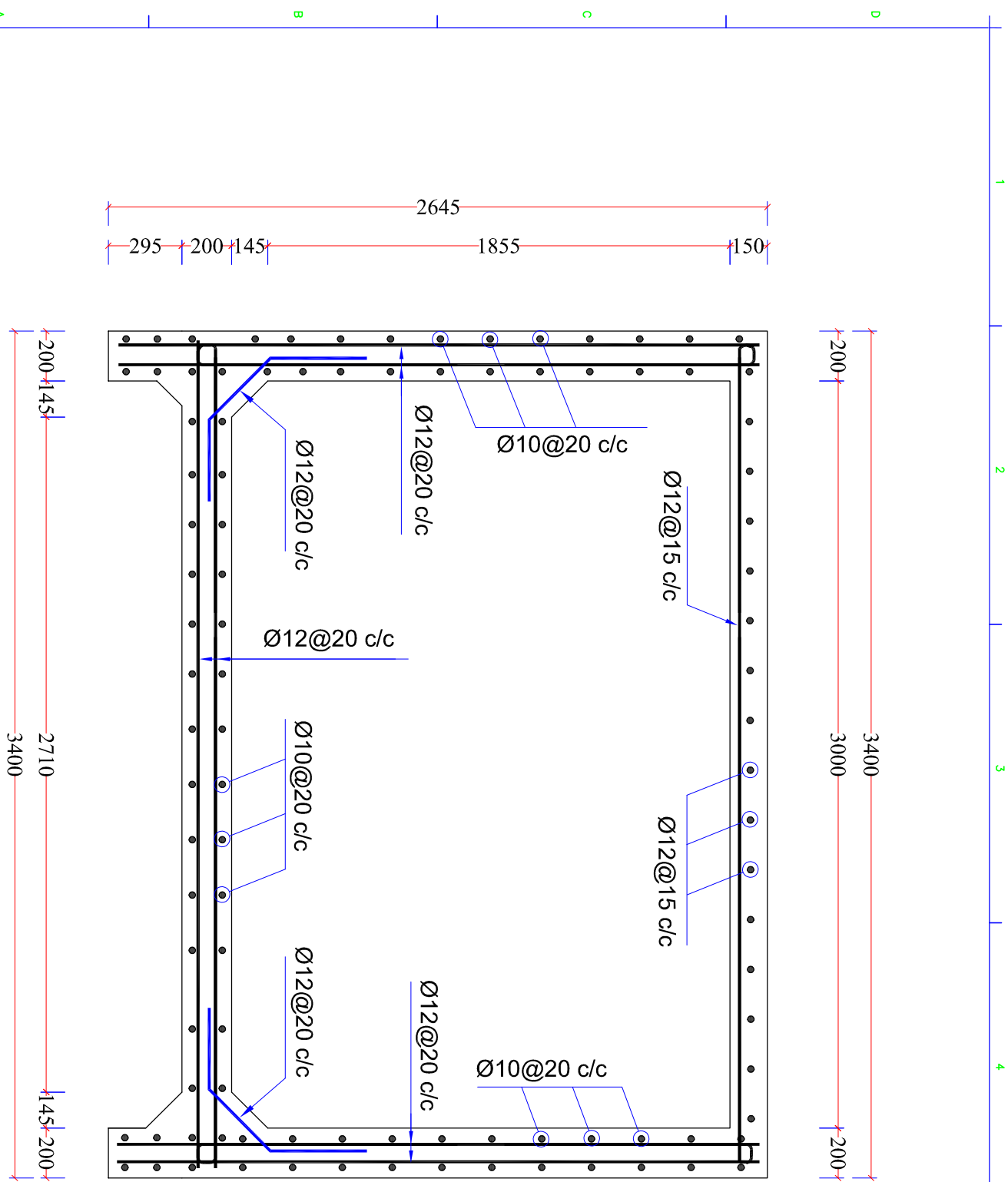
Action Against Hunger

WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yadullah Jalali

Scale:

Note: All dimension are in millimeter



A-110 STRUCTURAL CROSS SECTION D-D  
REF: SCALE: 1:5



DW.No:

A-110

Action Against Hunger

WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yadullah Jalali

Scale:

Note: All dimension are in millimeter



Technical drawing of a mechanical assembly, likely a valve or actuator, showing dimensions and a section line.

The drawing includes the following dimensions and features:

- Overall Width:** 1600 (indicated by a red dimension line at the bottom).
- Overall Height:** 1600 (indicated by a red dimension line on the right).
- Inner Frame Width:** 700 (indicated by a red dimension line on the right).
- Inner Frame Height:** 700 (indicated by a red dimension line on the right).
- Central Component:** A yellow cylindrical component with a central hole, mounted on a base.
- Section Line:** A dashed line with arrows pointing towards the top, labeled "A" and "A-1-11" in a circle.
- Dimensions:**
  - 700 (width of the inner frame, indicated by a red dimension line on the right).
  - 600 (height of the inner frame, indicated by a red dimension line on the right).
  - 1601 (overall width, indicated by a red dimension line at the bottom).
  - 1600 (overall height, indicated by a red dimension line on the right).

Technical drawing of a reinforced concrete slab (Sectio B-B) showing dimensions and reinforcement details.

The main view shows a square slab with a side length of 700. The reinforcement consists of 14 Ø 6mm bars, with a length of 66cm for the top bars and 10cm for the bottom bars. The bars are spaced at 206mm.

The cross-section (Sectio B-B) shows a total height of 100. The reinforcement details are indicated by red lines and labels:

- 14 Ø 6mm L=66cm (top bars)
- 206mm L=10cm (bottom bars)
- 14 Ø 6mm L=66cm (bottom bars)
- Both side (referring to the side bars)

A circular callout at the top right indicates the slab is part of a larger structure, labeled B and A-111.

Diagram illustrating the installation of a Pressure Reducing Valve (PRV) in a wall. The wall is constructed of concrete blocks with a 500 mm thick mortar bed on top. The PRV is installed in a 600 mm wide opening. The wall is 1100 mm thick. The diagram shows the valve installed in the center of the wall, with the mortar bed on top and the concrete block wall on the sides. Labels include 'G.L.' (Ground Level), 'MORTARED SM' (Mortared Surface Material), and 'Pressure Reducing Valve'. Dimensions are indicated: 500 mm for the top mortar bed, 600 mm for the valve opening, and 500 mm for the bottom mortar bed.

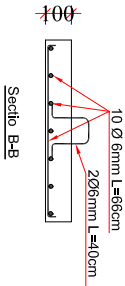
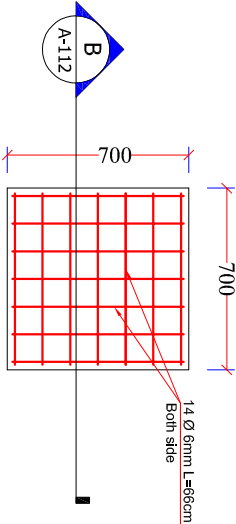
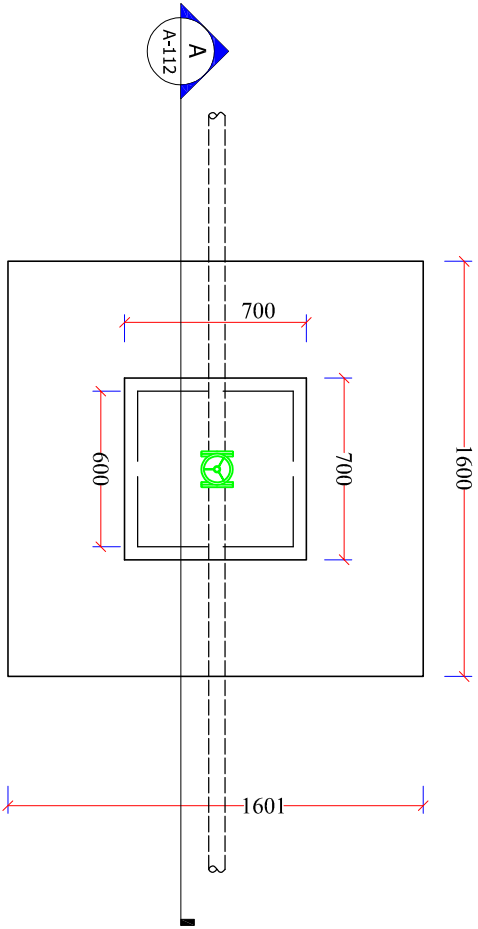
S.NO.	DIAMETER OF VALVE (mm.)	DIMENSION (mm.) ( L x B )
1.	50	600 X600

A.111 VALE BREAK PRESSURE

SCALE: 1:20

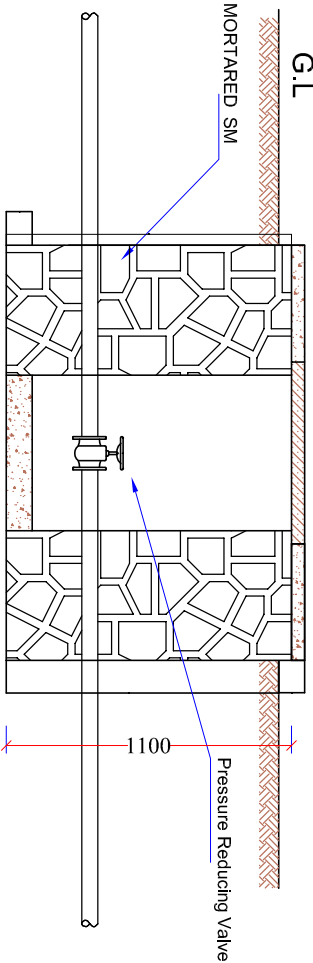
DW.No:	Action Against Hunger				Scale:
	WASH Department				Note: All dimension are in millimeter
A-111	Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh	
	Province	Daikundi	Chick by	Mohamad Nekandesh	
	District	Sangatakht—Bandar	Approved by	Yaddullah Jaldai	

# GATE VALE BOX FOR CONTROL



TYPICAL DIMENSIONS OF VALVE CHAMBER		
S.NO.	DIAMETER OF VALVE (mm.)	DIMENSION (mm.)
1.	50	600 X600

## SECTION A-A



**Note:**  
All GI and polyethylene pipes diameters must chose according to BoQ specification



DW.No:

A-112

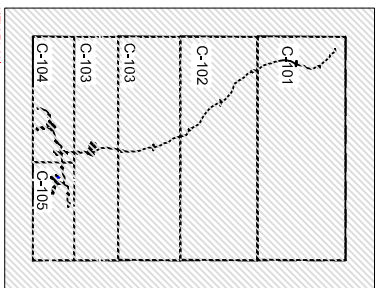
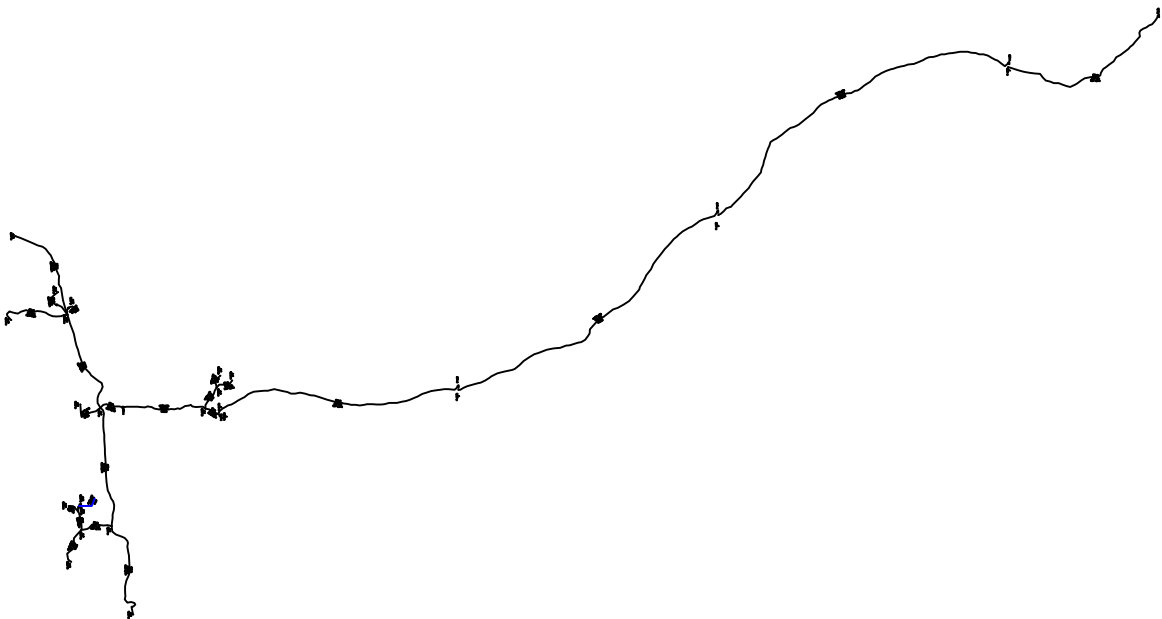
Action Against Hunger  
WASH Department

Project Name	Water Supply	Design&Drawing by	Mohamad Nekandesh
Province	Daikundi	Chick by	Mohamad Nekandesh
District	Sangtakht-Bandar	Approved by	Yaddullah Jalali

Scale:

Note: All dimension are in millimeter

1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

COORDINATES		
NAMES	EAST	NORTH
SPRING	240186.000	3801866.000
RESERVOIR	241,347.04	3,778,178.55
B.P-1	240324.800	3801462.780
B.P-2	240,755.57	3,500,617.94
B.P-3	241,283.14	3,778,884.28
B.P-4	241,323.81	3,778,883.09

Action Against Hunger

WASH Department

DW.No:

C-100

Note: All dimension showed in sheet

Project Name  
Province  
District

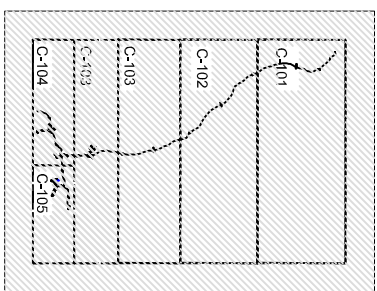
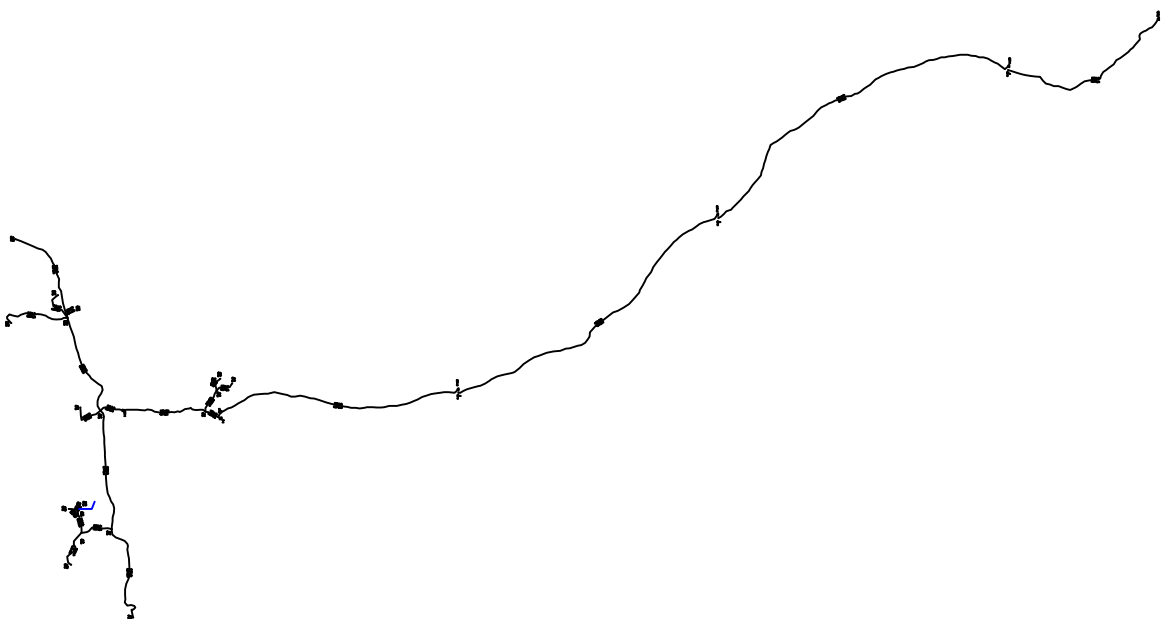
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....



1. Node ID:
2. Flow in ( Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
POC	
ROC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240186.000	2982.000
RESERVOIR	241,247.04	3,779,178.05
B.P-1	240284.800	389142.790
B.P-2	240,755.57	3,800,017.94
B.P-3	241,283.14	3,779,284.28
B.P-V	241,223.81	3,779,093.09
		2570.000

Action Against Hunger

WASH Department

DW.No:

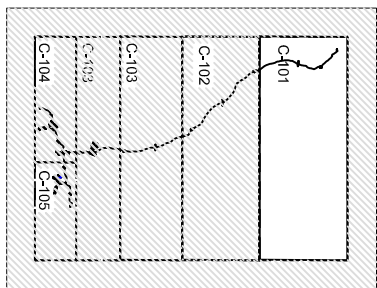
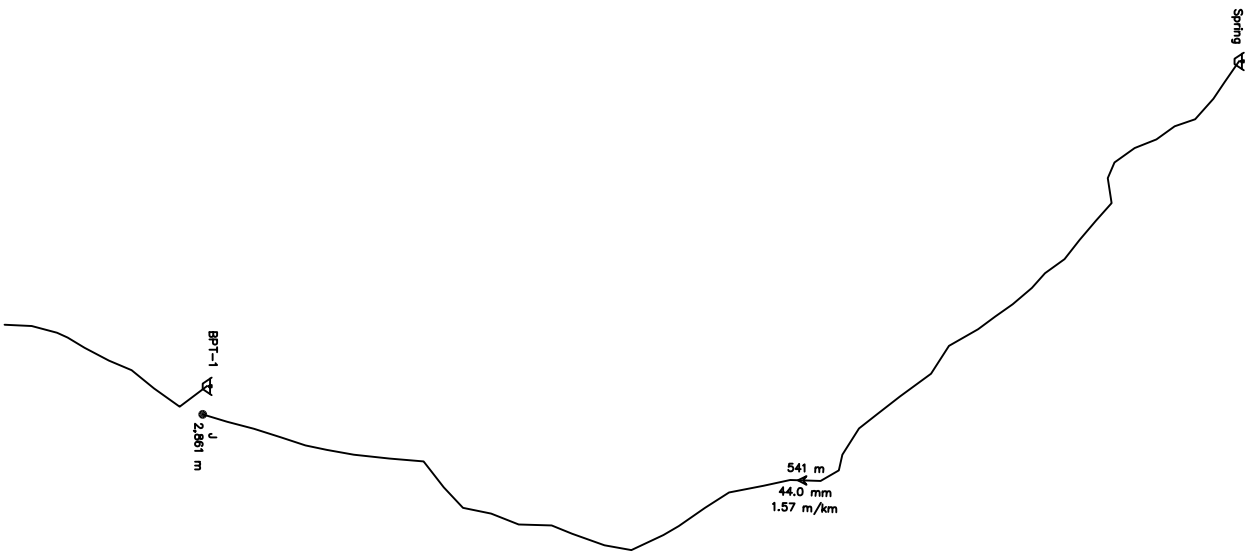
C1-100

Note: All dimension showed in sheet

Project Name	Water Supply	Design by	Yaddullah Jalali
Province	Daikundi	Drawing& Layout by	Mohamad Nekandesh
District	SangTakht Bandar	Approved by	.....



1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



SEE PLAN

LEGEND

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240188.000	378169.000
RESERVOIR	241,347.24	3,778,178.35
B.P-1	240324.490	3781462.740
B.P-2	240,738.37	3,780,817.84
B.P-3	241,263.14	3,778,654.28
B.P-V	241,252.81	3,778,683.09
		2570,000

Action Against Hunger

WASH Department

DW.No:

C-101

Note: All dimension showed in sheet

Project Name  
Province  
District

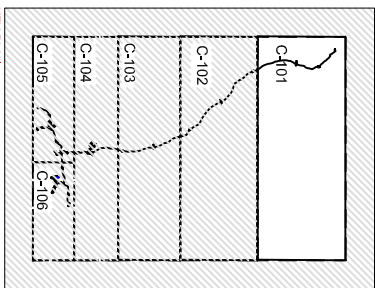
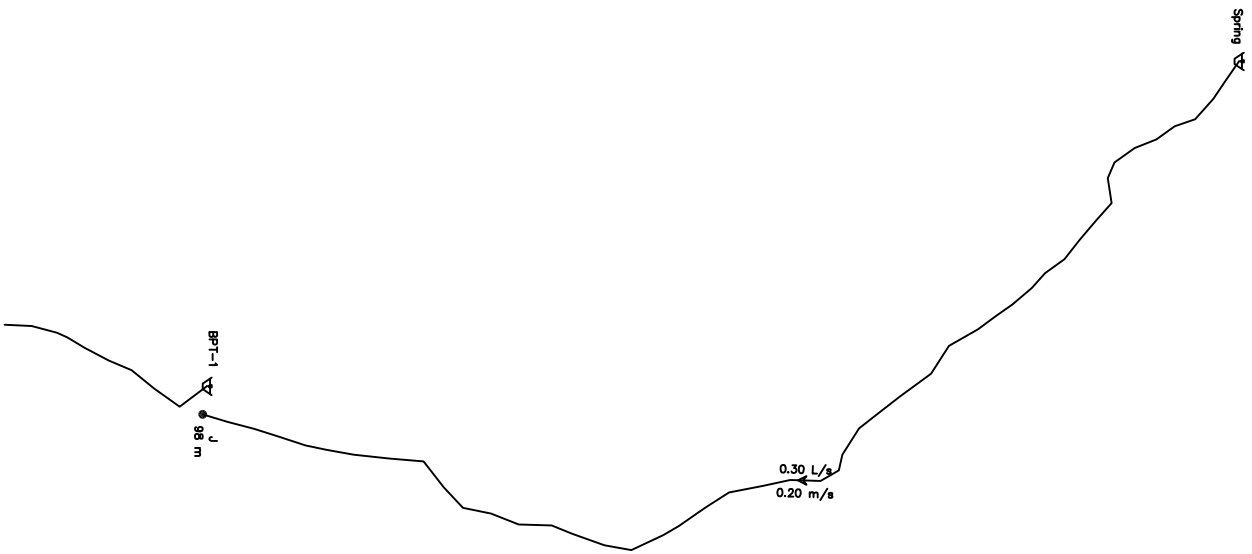
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....



1. Node ID
2. Flow in ( Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



LEGEND:

KEY PLAN:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240788.000	3807888.000
RESERVOIR	241,347.24	3,779,179.35
B.P-1-1	240324.850	3807482.790
B.P-1-2	240,755.57	3,800,871.44
B.P-1-3	241,263.14	3,779,854.26
B.P-1-4	241,253.81	3,779,853.09
B.P-1-5	241,253.81	3,779,853.09

Action Against Hunger

WASH Department

DW.No:

C1-101

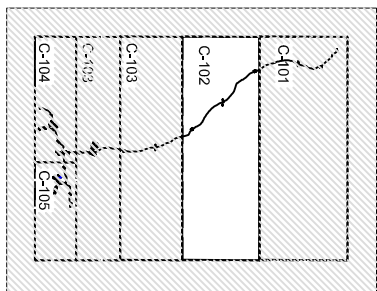
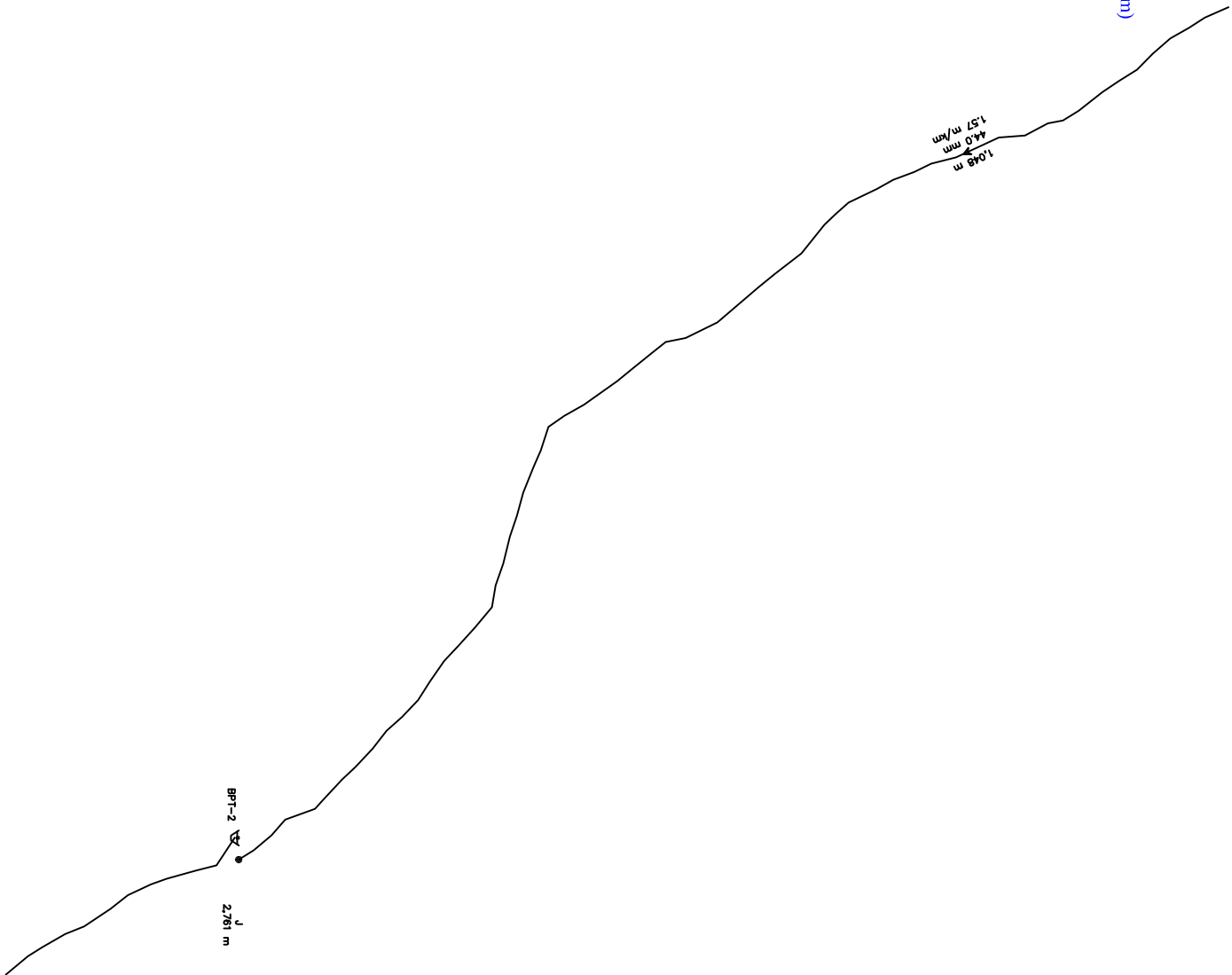
Note: All dimension showed in sheet

Project Name	Water Supply	Design by	Yaddullah Jalali
Province	Daikundi	Drawing& Layout by	Mohamad Nekandesh
District	SangTakht Bandar	Approved by	.....





1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



SEE PLAN

LEGEND

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates			
NAMES	EAST	NORTH	ELEVATION
SPRING	240188.000	3201898.000	2892.000
RESERVOIR	241,247.24	3,778,178.35	2808.000
BP-1-I	240324.480	3201462.700	2781.000
BP-1-II	240178.837	3,200,817.34	2781.000
BP-1-3	241,253.14	3,778,064.38	2808.000
BP-V	241,253.81	3,778,063.09	2870.000

Action Against Hunger

WASH Department

DW.No:

C-102



Project Name  
Province  
District

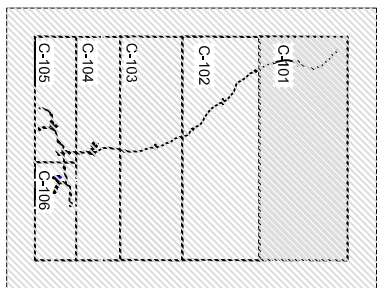
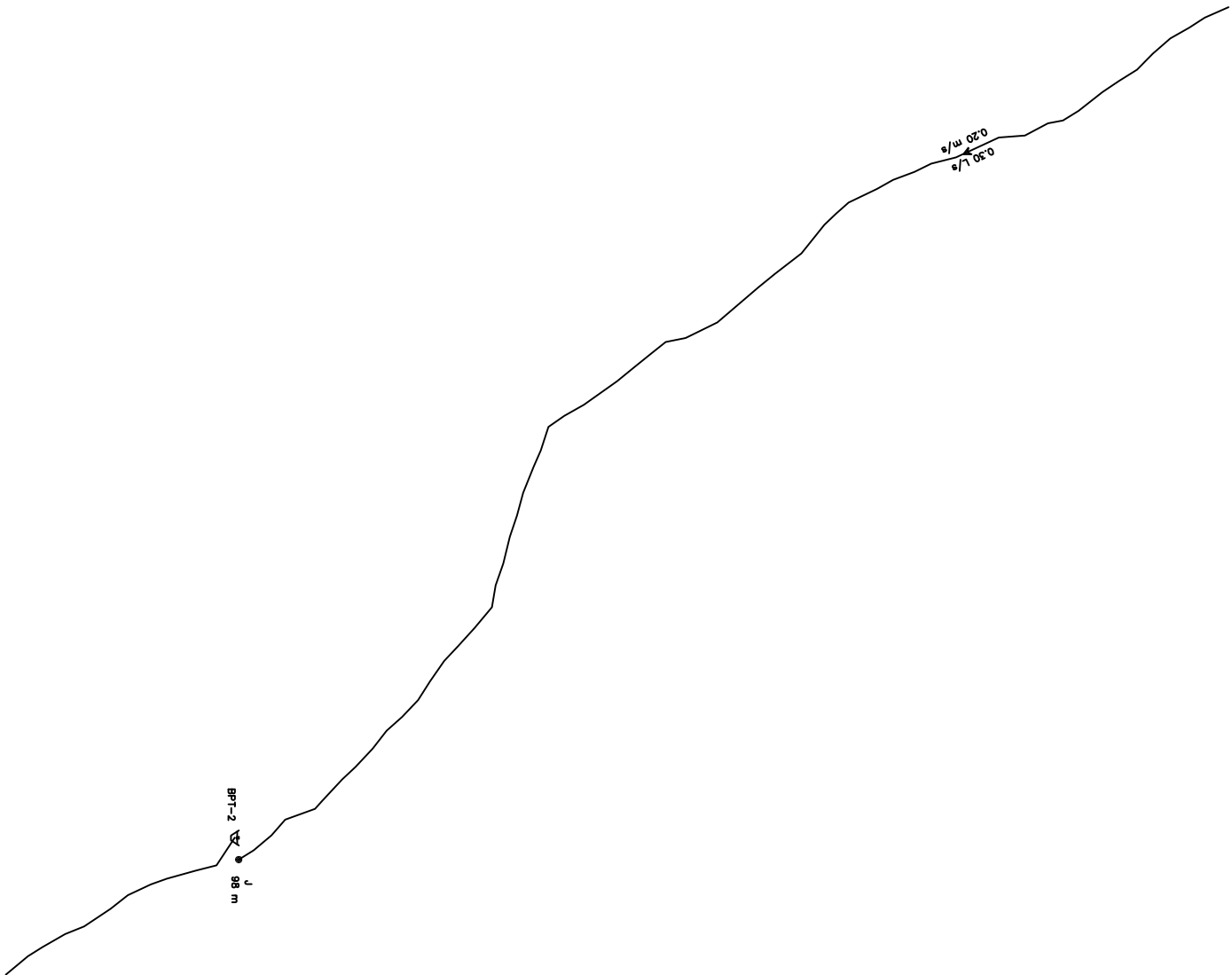
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....

Note: All dimension showed in sheet

1. Node ID
2. Flow in ( Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates			
NAMES	EAST	NORTH	ELEVATION
SPRING	240186.000	3801896.000	2892.000
RESERVOIR	241,247.04	3,799,176.25	2806.000
B.P-1	240234.600	3801462.790	2881.000
B.P-2	240,255.57	3,800,617.04	2781.000
B.P-3	241,243.14	3,799,694.26	2880.000
B.P.V	241,323.81	3,798,693.09	2870.000

Action Against Hunger

WASH Department

DW.No:

C1-102

Project Name  
Province  
District

Water Supply  
Daikundi  
SangTakht Bandar

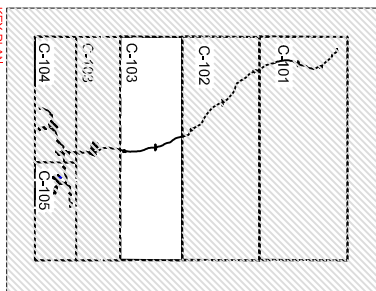
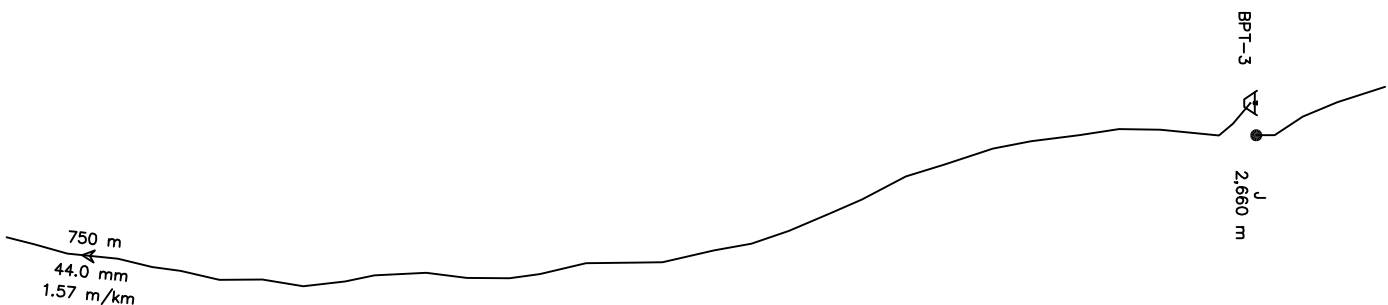
Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....

Note: All dimension showed in sheet



1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240188.000	380188.000
RESERVOIR	241,347.24	3,798,178.55
B.P-1	240324.800	3801462.790
B.P-2	240,750.57	3,800,817.94
B.P-3	241,263.14	3,798,844.28
B.P-4	241,252.81	3,798,883.09
		2570.000

Action Against Hunger

WASH Department

DW.No:

C-103

Note: All dimension showed in sheet

Project Name  
Province  
District

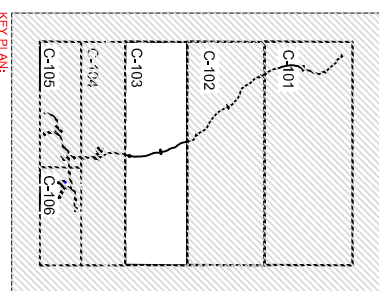
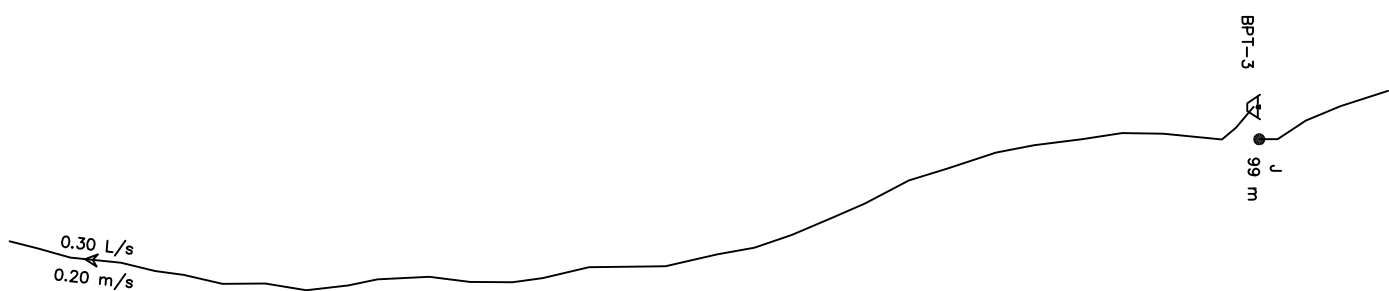
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....



1. Node ID
2. Flow in ( Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates			
NAMES	EAST	NORTH	ELEVATION
SPRING	240186.000	3801866.000	2882.000
RESERVOIR	241,347.04	3,798,178.35	2808.000
B.P-T-1	240324.890	3801462.780	2881.000
B.P-T-2	240,755.57	3,800,817.94	2781.000
B.P-T-3	241,283.14	3,798,884.28	2880.000
B.P-V	241,253.81	3,798,883.09	2870.000

## Action Against Hunger

## WASH Department

DW.No:

C1-103

Project Name  
Province  
District

Water Supply  
Daikundi  
SangTakht Bandar

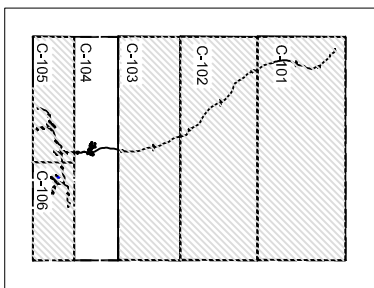
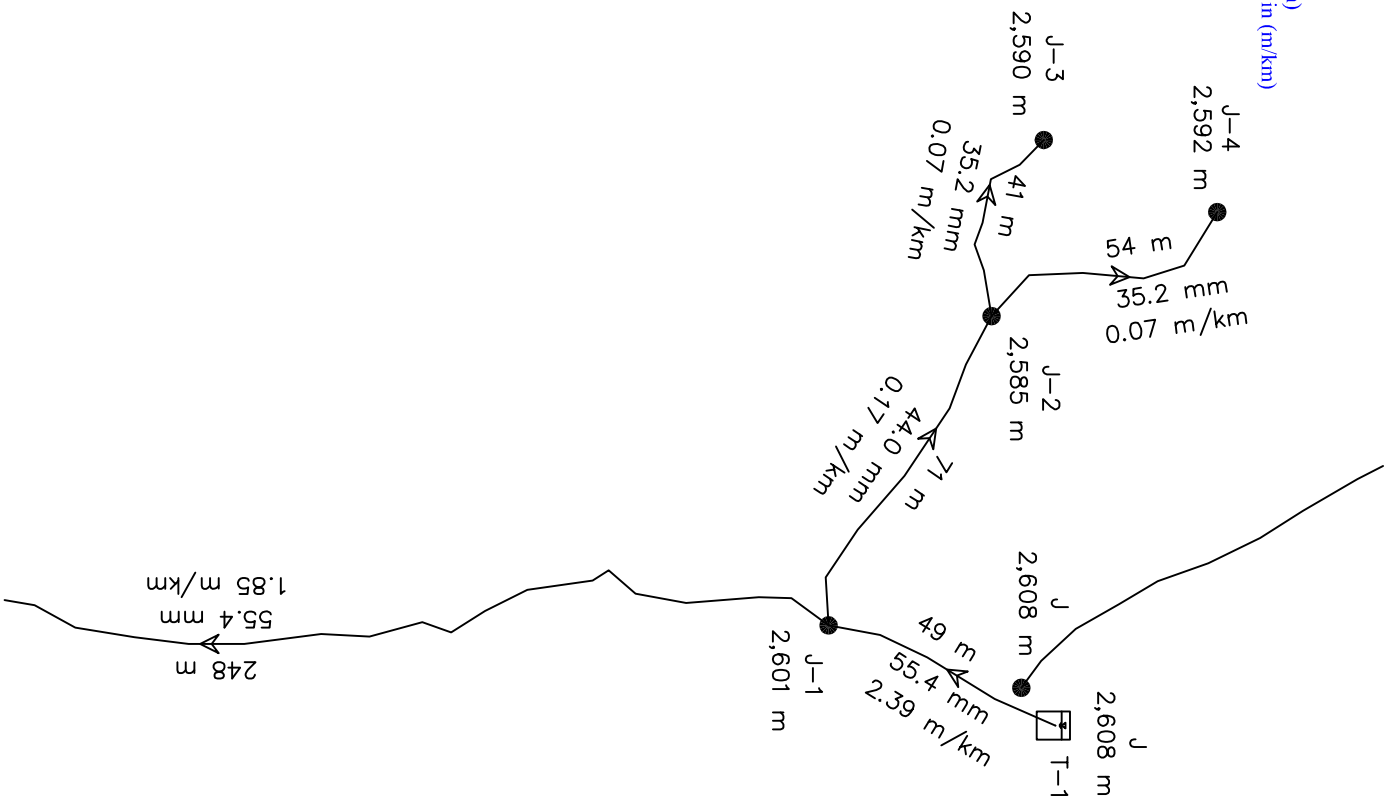
Design by  
Drawing& Layout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....

Note: All dimension showed in sheet



1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



KEY PLAN

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	2407086.000	2807086.000
RESERVOIR	241,247.04	2,796,176.25
B.P-1	240254.850	2801462.780
B.P-2	240,250.57	2,800,017.84
B.P-3	241,243.14	2,796,084.28
B.P-4	241,223.81	2,796,083.09
		2870,000

Action Against Hunger

WASH Department

DW.No:

C-104

Project Name

Water Supply

Design by

Yaddullah Jalali

Province

Daikundi

Drawing& Layout by

Mohamad Nekandesh

District

SangTakht Bandar

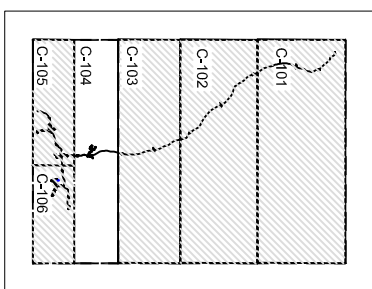
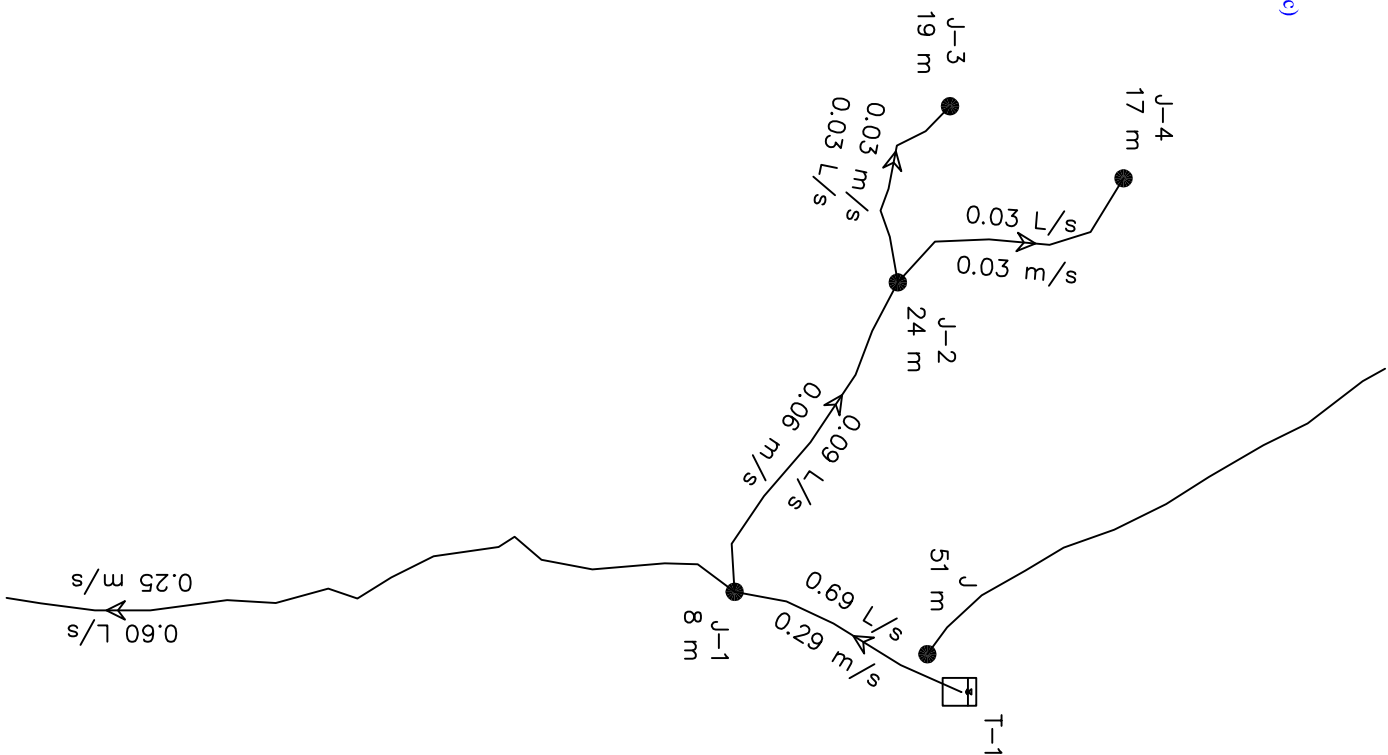
Approved by

.....

Note: All dimension showed in sheet



1. Node ID
2. Flow in (Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240788.000	3801898.000
RESERVOIR	241347.04	3798178.95
B.P-T-1	240354.480	3801462.790
B.P-T-2	240735.67	3800472.44
B.P-T-3	241283.14	3798484.38
B.P-V	241233.81	3798483.09

## Action Against Hunger

### WASH Department

DW.No:

C1-104

Project Name Water Supply  
Province Daikundi  
District SangTakht Bandar

Design by  
Drawing& Layout by  
Approved by

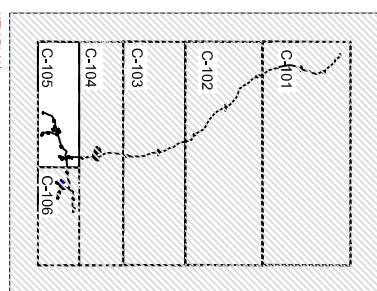
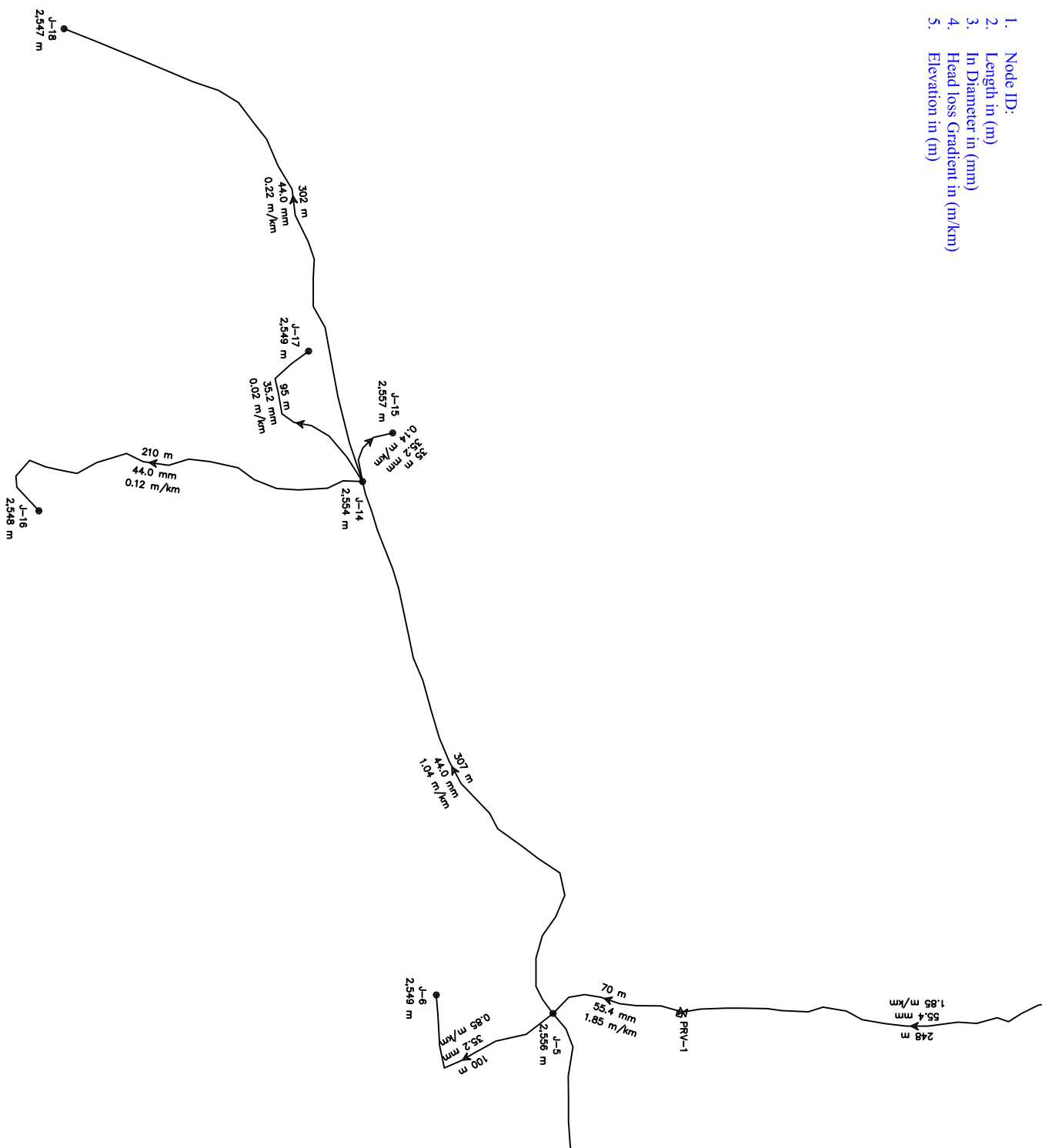
Yaddullah Jalali  
Mohamad Nekandesh  
.....

Note: All dimension showed in sheet





1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

NAME	EAST	NORTH	ELEVATION
SPRING	240188.000	306188.000	2882.000
RESERVOIR	241137.24	3176170.25	2808.000
B.P-1	240234.890	3061482.790	2881.000
B.P-2	240726.97	3060471.24	2791.000
B.P-3	241263.14	3176184.28	2800.000
B.P-4	241223.81	3176183.09	2870.000

Action Against Hunger

WASH Department

DW.No:

C-105

Note: All dimension showed in sheet

Project Name  
Province  
District

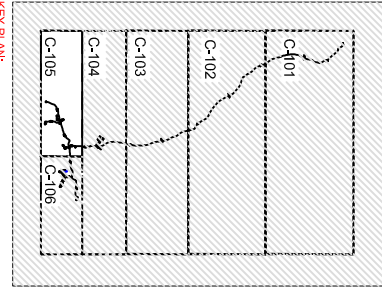
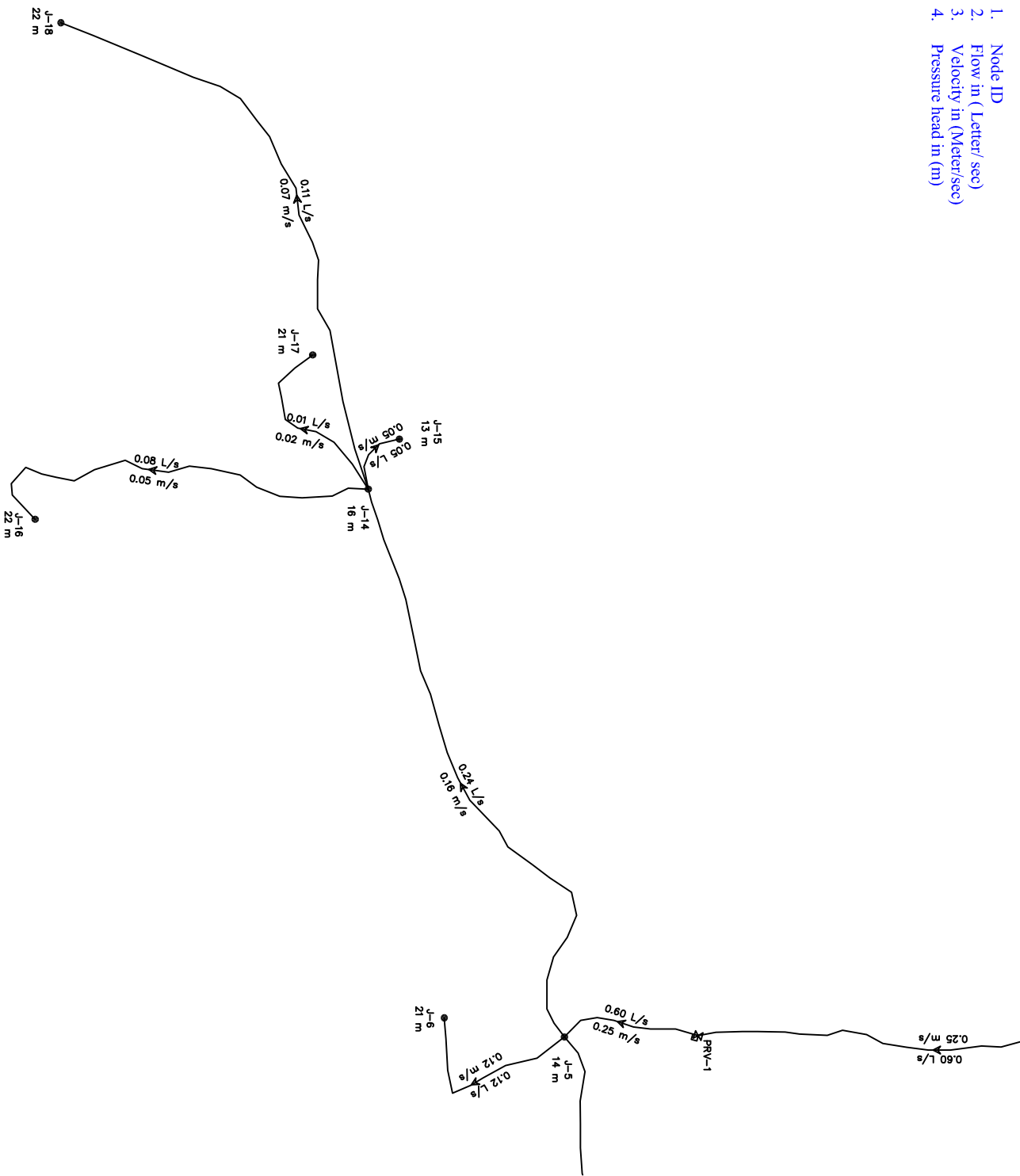
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Lyout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....



1. Node ID
2. Flow in (Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
POC	
RCC	

Coordinates		
NAMES	EAST	NORTH
SPRING	240186.000	3801896.000
RESERVOIR	241,347.04	3,793,776.55
B.P-T-1	240334.900	3801462.780
B.P-T-2	240,735.57	3,800,617.64
B.P-T-3	241,283.14	3,799,894.28
B.P-V	241,323.81	3,798,683.09

## Action Against Hunger

### WASH Department

DW.No:

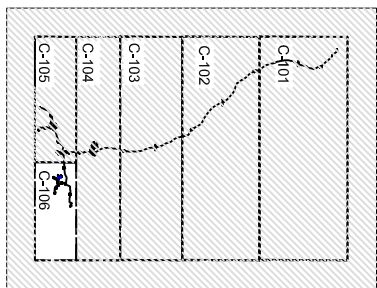
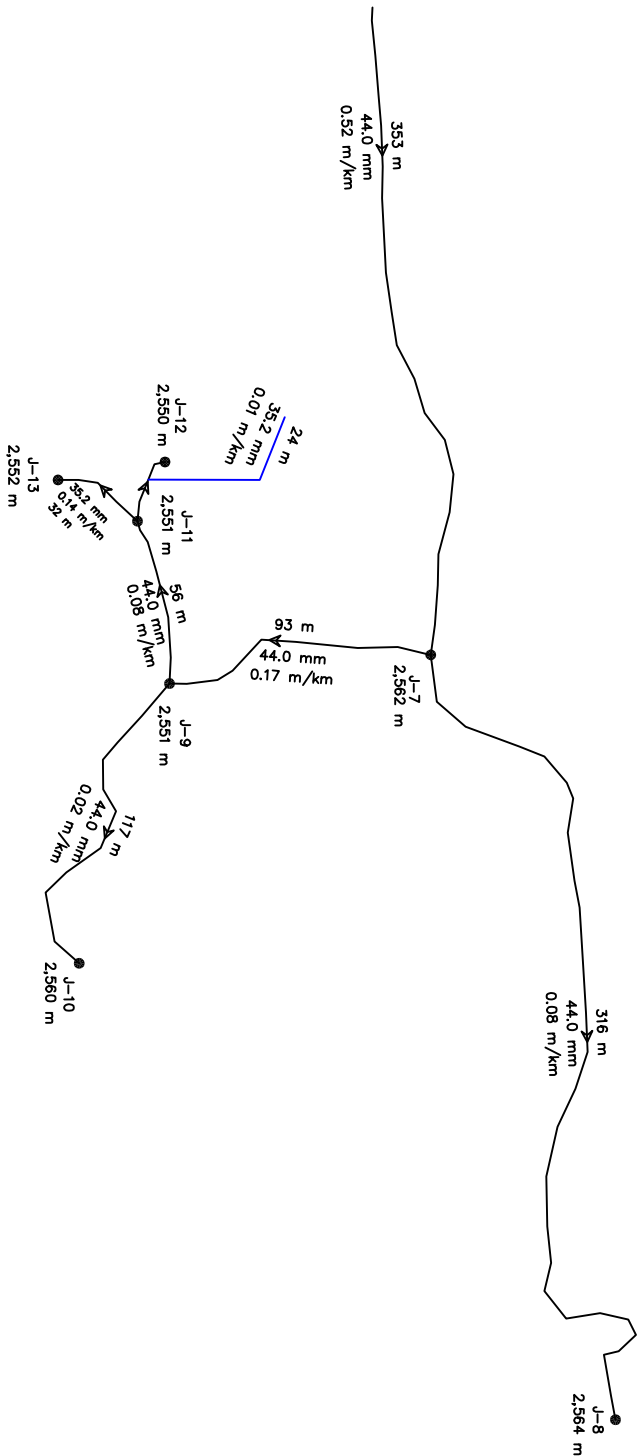
C1-105

Project Name	Water Supply	Design by	Yaddullah Jalali
Province	Daikundi	Drawing& Lyout by	Mohamad Nekandesh
District	SangTakht Bandar	Approved by	.....

Note: All dimension showed in sheet



1. Node ID:
2. Length in (m)
3. In Diameter in (mm)
4. Head loss Gradient in (m/km)
5. Elevation in (m)



Site Plan

Legend

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
PCC	
RCC	

Coordinates			
NAMES	EAST	NORTH	ELEVATION
WATER	240188.000	380188.000	2882.000
SPRING	241,347.04	3,796,178.25	2808.000
RESERVOIR	240324.890	3801462.790	2881.000
B.P-T-1	240,785.57	3,800,617.24	2781.000
B.P-T-2	241,283.14	3,798,884.28	2880.000
B.P-T-3	241,323.81	3,798,883.19	2870.000
B.P-V			

Action Against Hunger

WASH Department

DW.No:

C-106

Note: All dimension showed in sheet

Project Name  
Province  
District

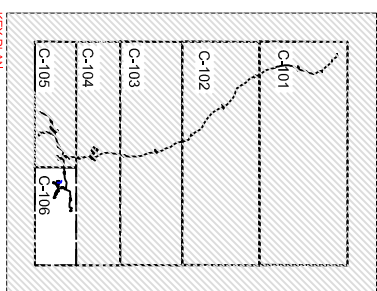
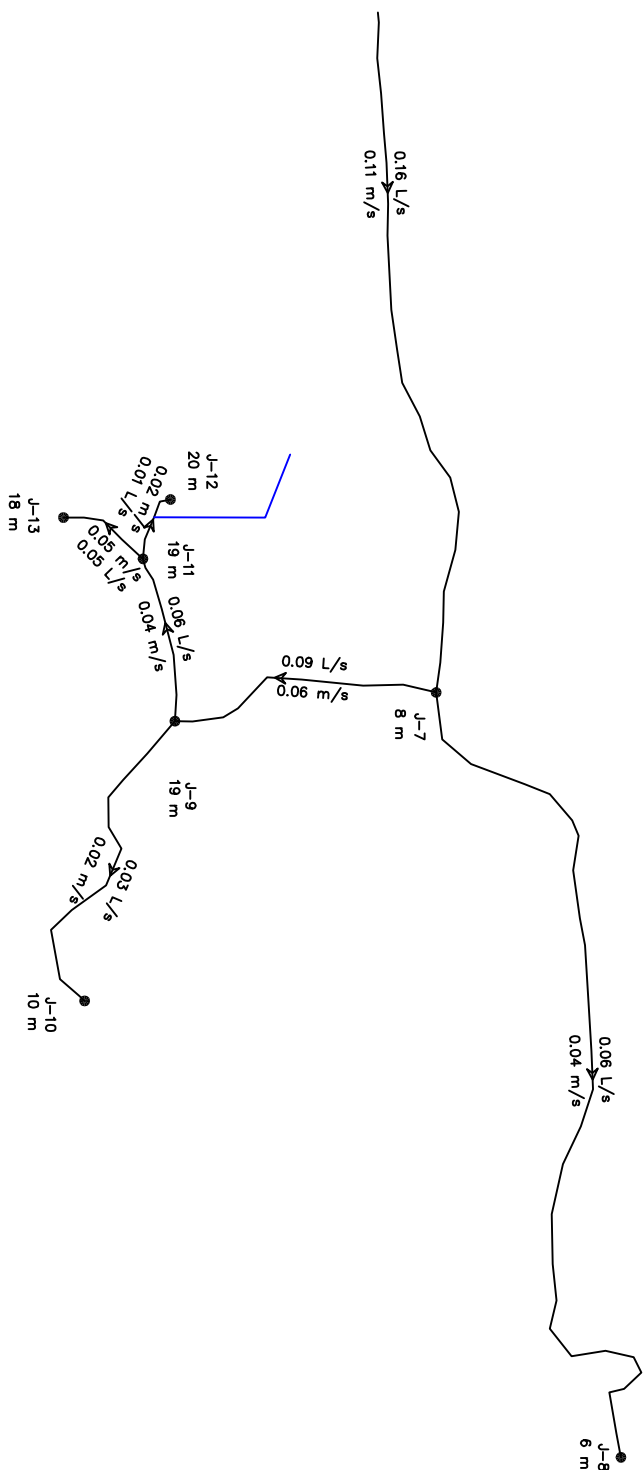
Water Supply  
Daikundi  
SangTakht Bandar

Design by  
Drawing& Lyout by  
Approved by

Yaddullah Jalali  
Mohamad Nekandesh  
.....



1. Node ID
2. Flow in ( Liter/ sec)
3. Velocity in (Meter/sec)
4. Pressure head in (m)



KEY PLAN:

LEGEND:

SPRING PROTECTION	
BREAK PRESSURE TANK	
WATER RESERVOIR	
VALE BREAK PRESSURE	
GREEN AREA	
BENCH MARK	
GREEN AREAS	
POC	
RCC	

COORDINATES		
NAMES	EAST	NORTH
SPRING	240186.000	2801896.000
RESERVOIR	241,347.04	3,799,176.55
B.P-T-1	240324.890	3801462.780
B.P-T-2	240,755.57	3,800,871.34
B.P-T-3	241,283.14	3,799,864.38
B.P-V	241,323.81	3,799,853.09

Action Against Hunger

WASH Department

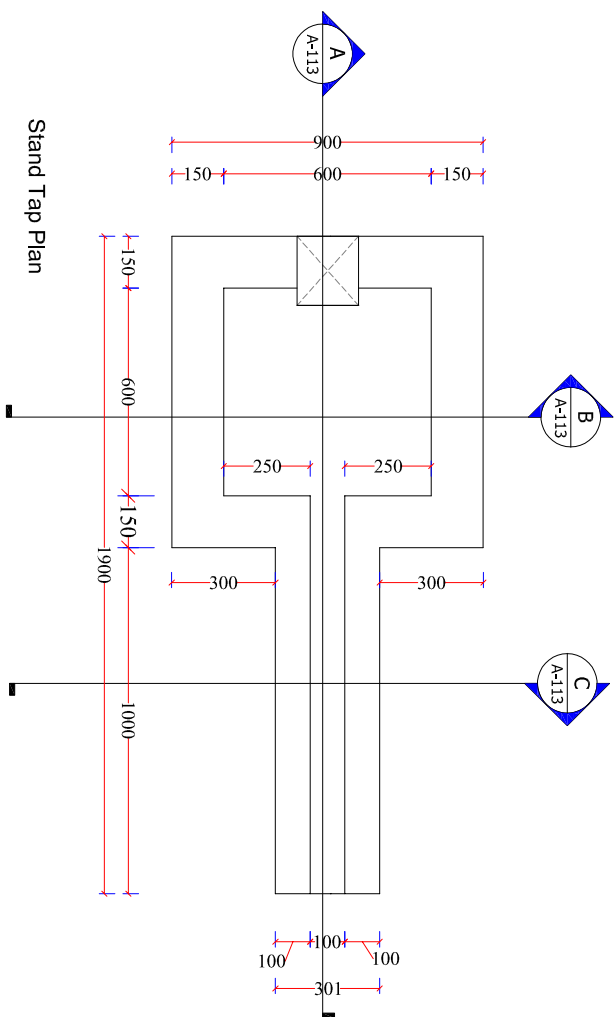
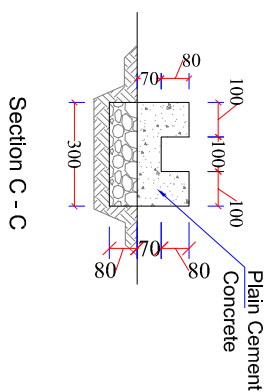
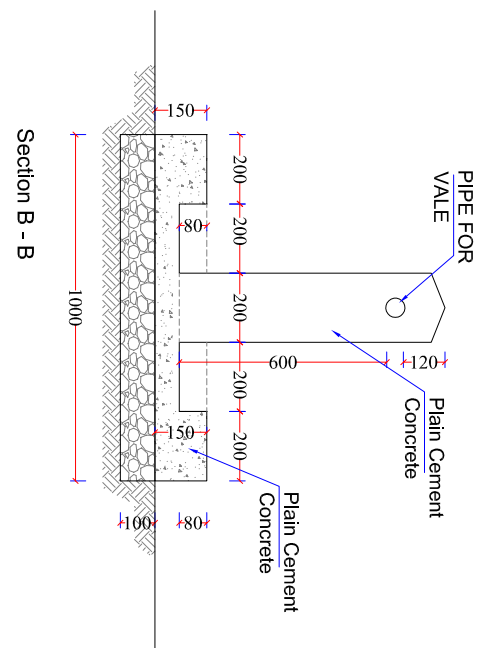
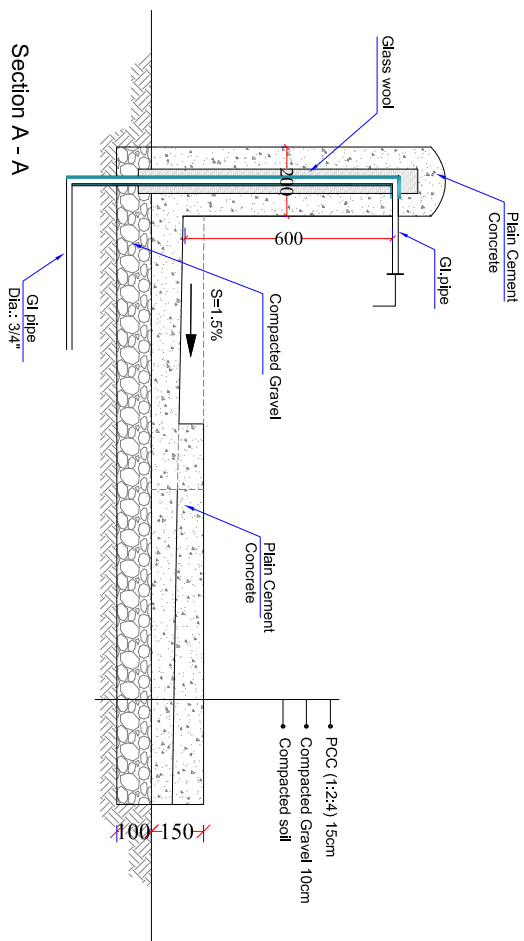
DW.No:

C1-106

Note: All dimension showed in sheet

Project Name	Water Supply	Design by	Yaddullah Jalali
Province	Daikundi	Drawing& Layout by	Mohamad Nekandesh
District	SangTakht Bandar	Approved by	.....





**Note:**  
All GI and polyethylene pipes diameters must chose according to BoQ specification



DW.No:

A-113

Action Against Hunger

WASH Department

Project Name

Water Supply

Design&Drawing by

Mohamad Nekandesh

Province

Daikundi

Chick by

Mohamad Nekandesh

District

Sangtakht-Bandar

Approved by

Yaddullah Jalali

Scale:

Note: All dimension are in millimeter