

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF WATER RESOURCES AND IRRIGATION (MWRI) OF THE GOVERNMENT OF THE SOUTHERN SUDAN (GOSS)
MINISTRY OF HOUSING, PHYSICAL PLANNING AND ENVIRONMENT (MHPPE) OF THE GOSS
MINISTRY OF PHYSICAL INFRASTRUCTURE (MOPI) OF THE CENTRAL EQUATORIA STATE (CES)

**JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN**

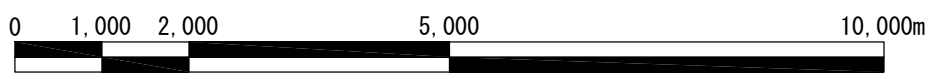
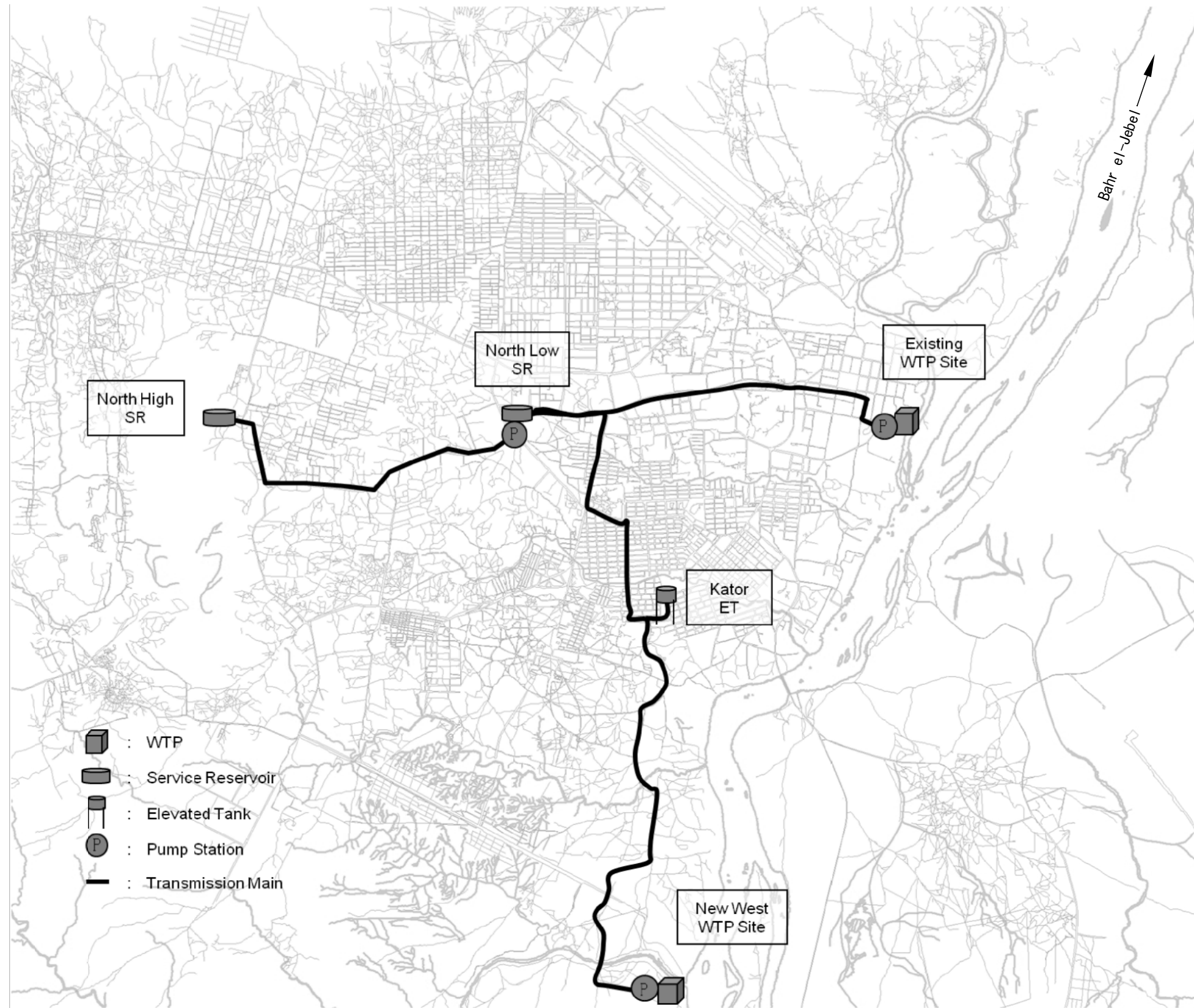
**FINAL REPORT
(DRAWINGS)**

SEPTEMBER 2009

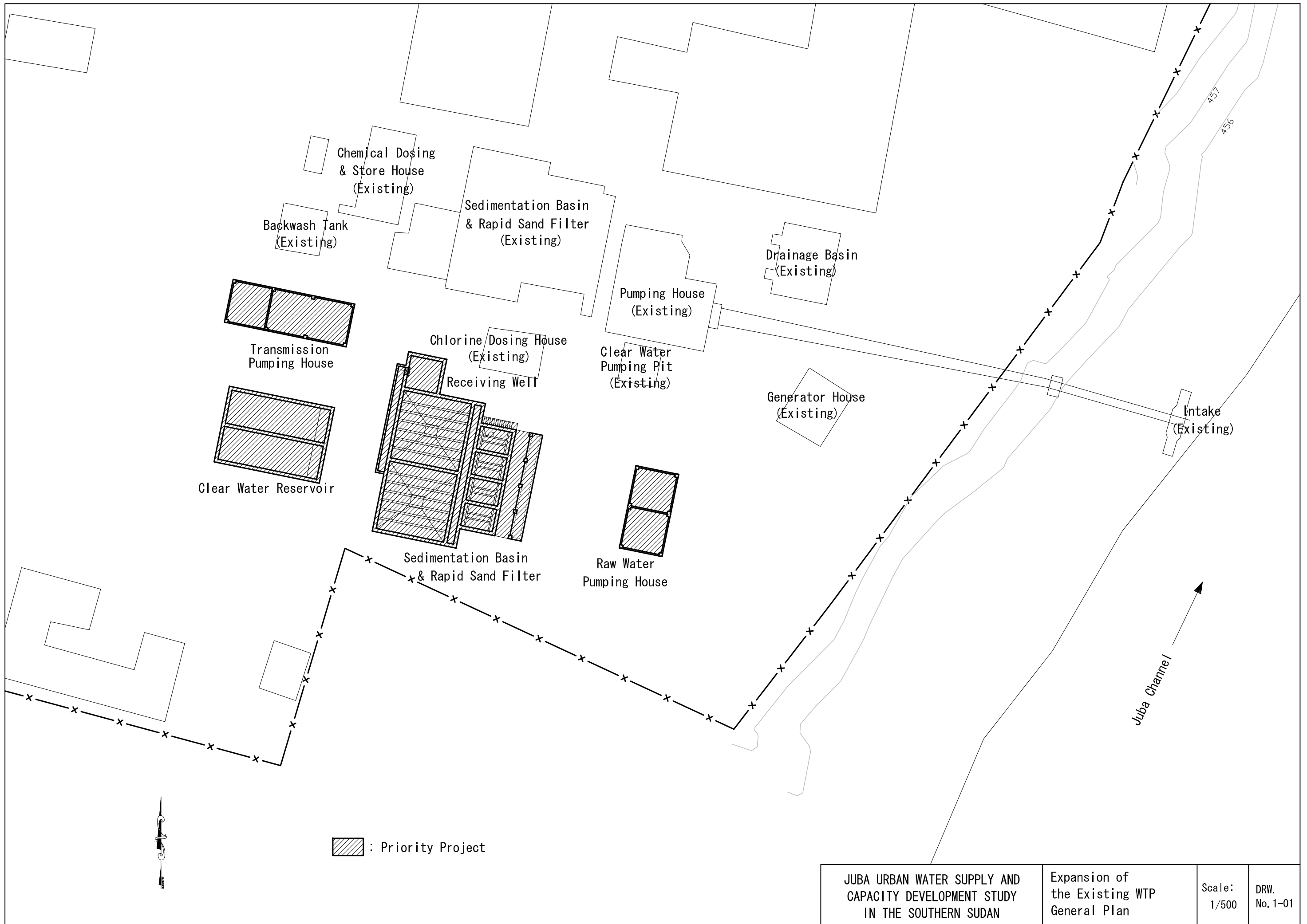
TOKYO ENGINEERING CONSULTANTS CO., LTD. (TEC)
EIGHT-JAPAN ENGINEERING CONSULTANTS INC. (EJEC)

**JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN**
[LIST OF DRAWINGS]

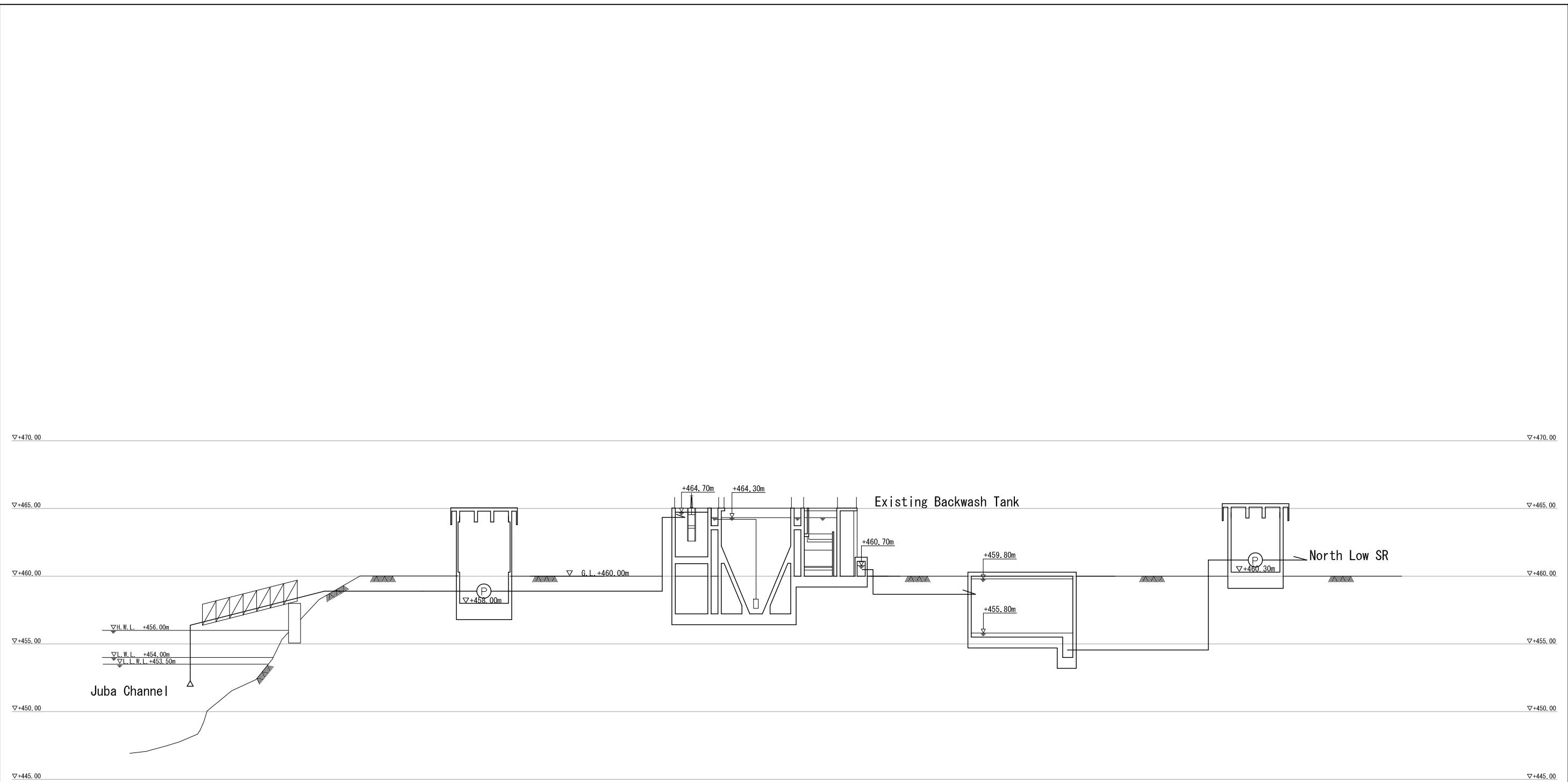
No.	DRAWING No.	DRAWING TITLE	No.	DRAWING No.	DRAWING TITLE
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<p>JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN</p>	<p>Location Map Trunk Facilities of the Priority Project</p>	<p>Scale: 1/50000</p>	<p>DRW. No. 0-01</p>
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JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN	Expansion of the Existing WTP General Plan	Scale: 1/500	DRW. No. 1-01
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INTAKE

RAW WATER PUMPING HOUSE

RECEIVING WELL, SEDIMENTATION BASIN
& RAPID SAND FILTER

CLEAR WATER RESERVOIR

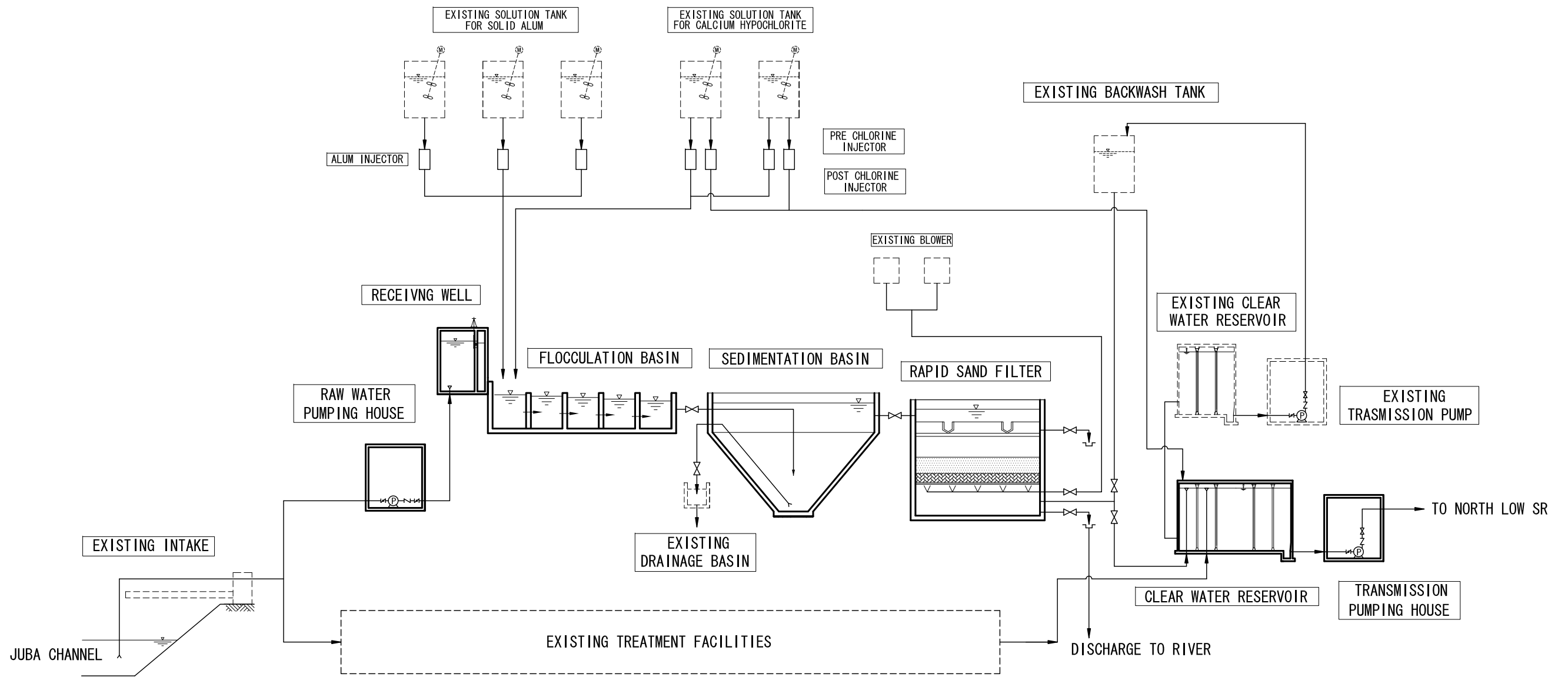
TRANSMISSION PUMPING HOUSE

JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

Existing of
the Existing WTP
Hydraulic Profile

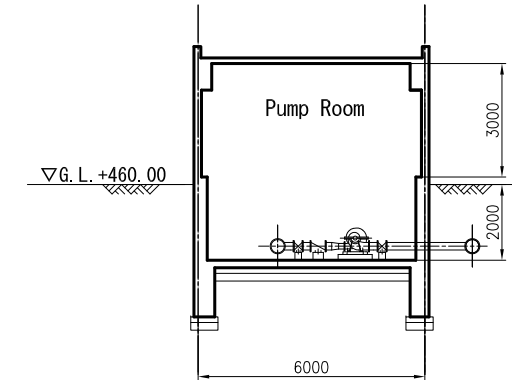
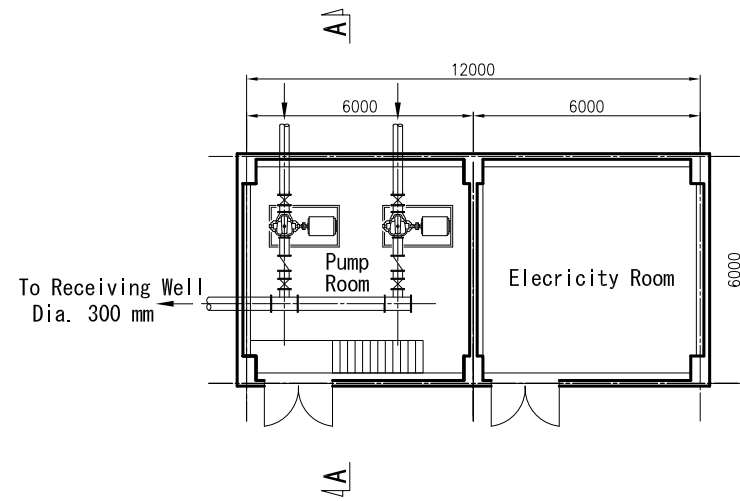
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DRW.
No. 1-02



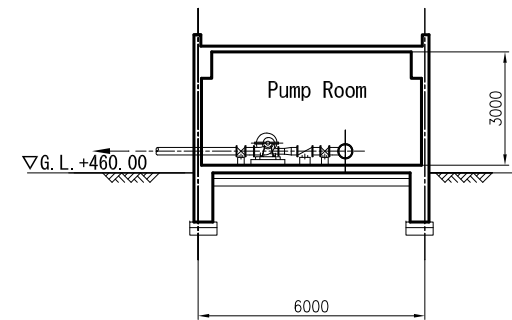
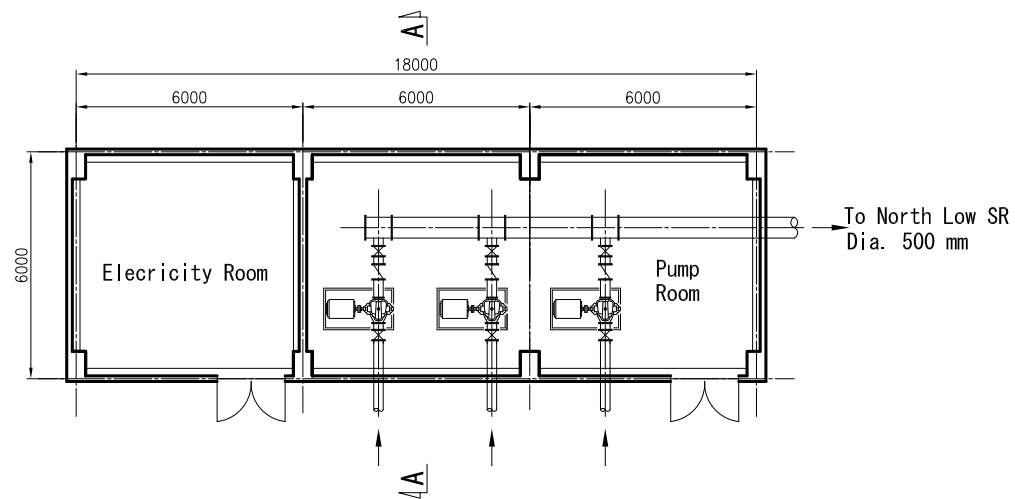
<p>JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN</p>	<p>Expansion of the Existing WTP Flow Diagram</p>	<p>Scale: None</p>	<p>DRW. No. 1-03</p>
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RAW WATER PUMPING HOUSE PLAN



SECTION A-A

TRANSMISSION PUMPING HOUSE PLAN



SECTION A-A

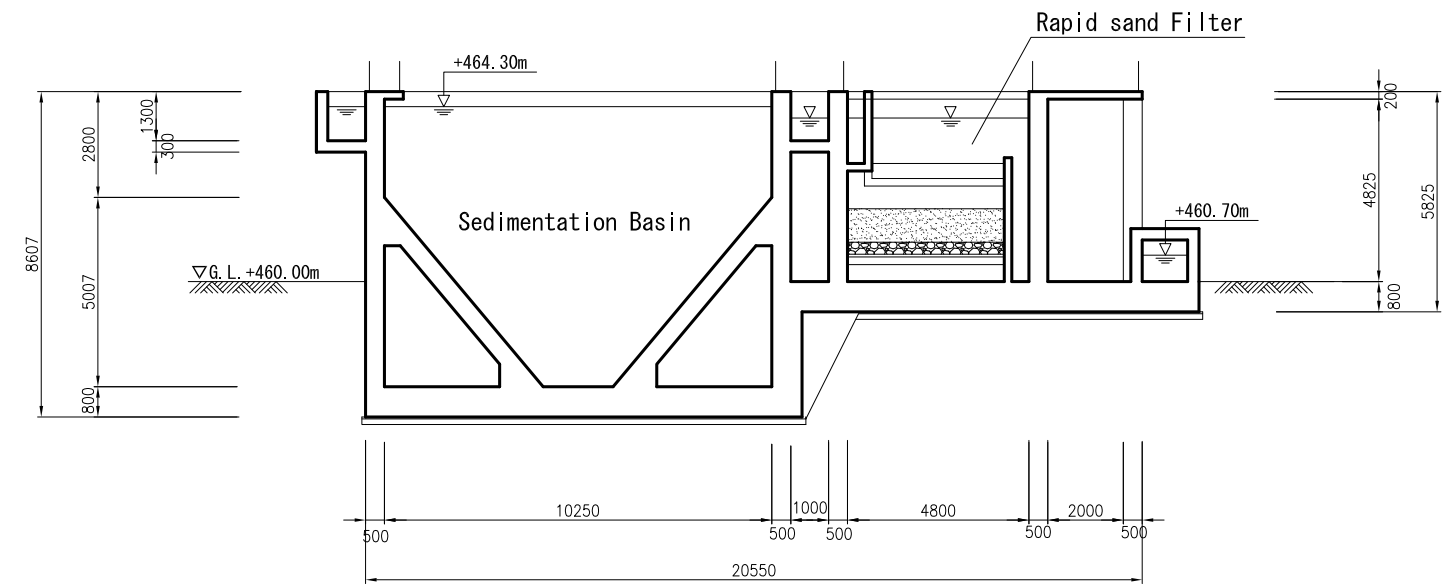
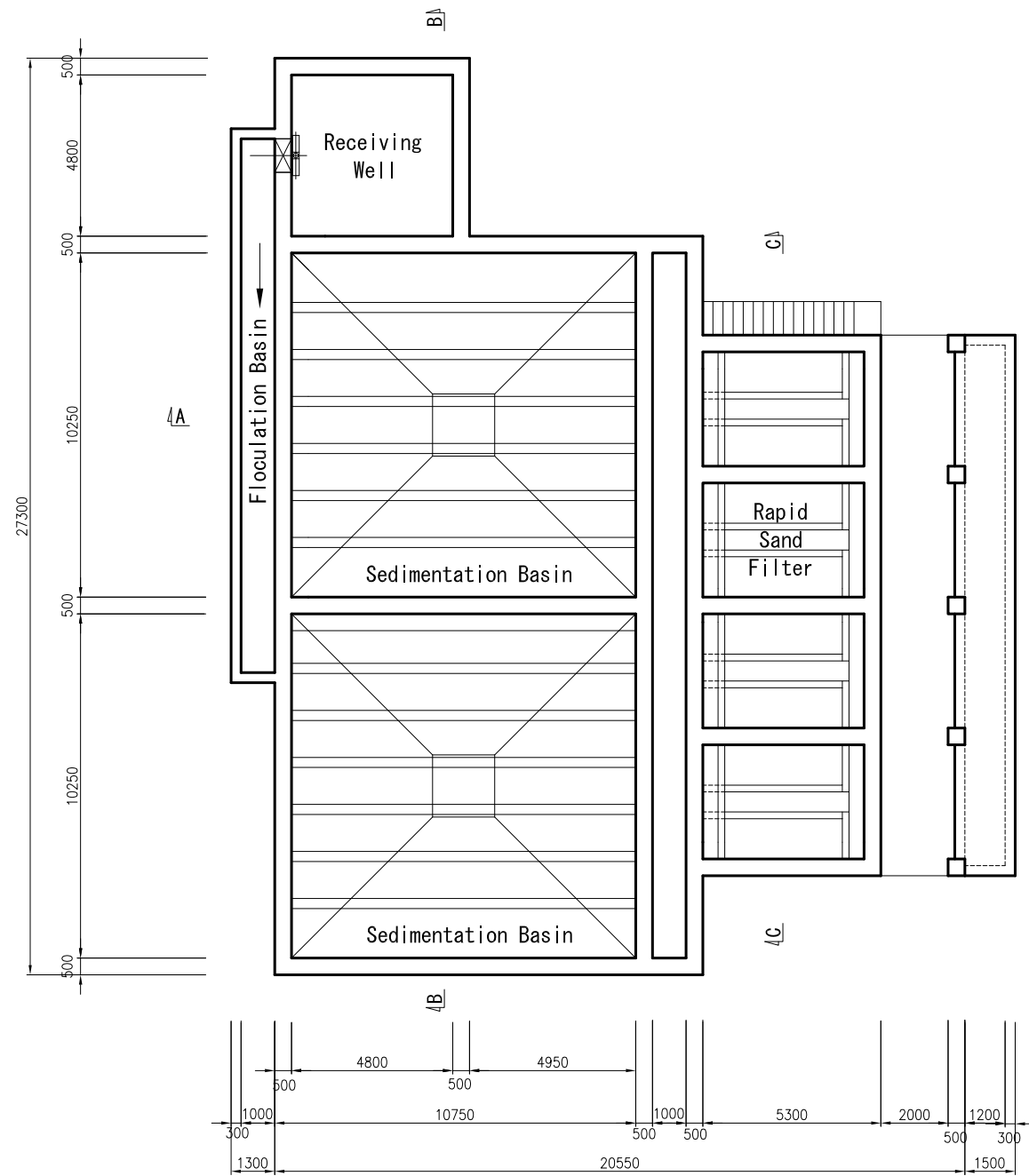
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

Expansion of
the Existing WTP
Raw Water Pumping House &
Transmission Pumping House

Scale:
1/200

DRW.
No. 1-04

RECEIVING WELL, SEDIMENTATION BASIN & RAPID SAND FILTER PLAN



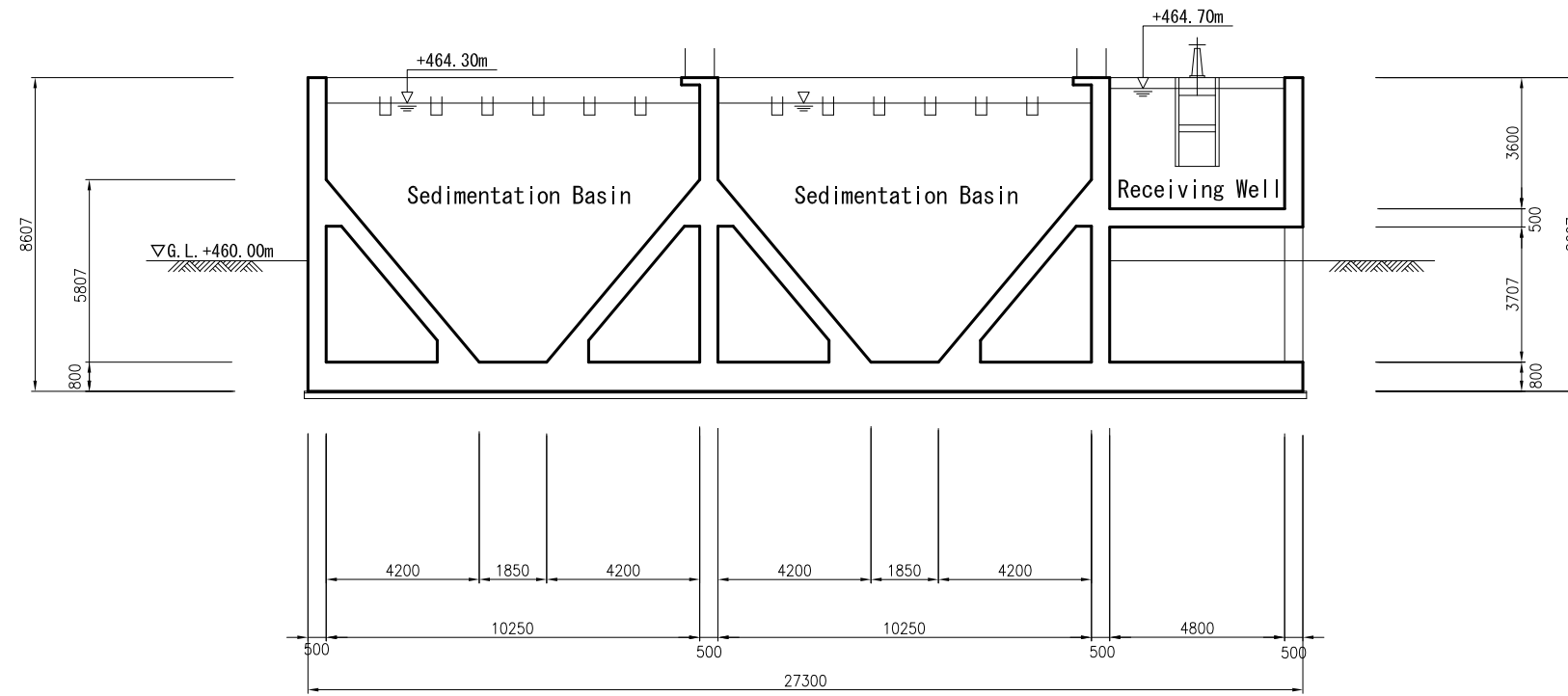
SECTION A-A

JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN

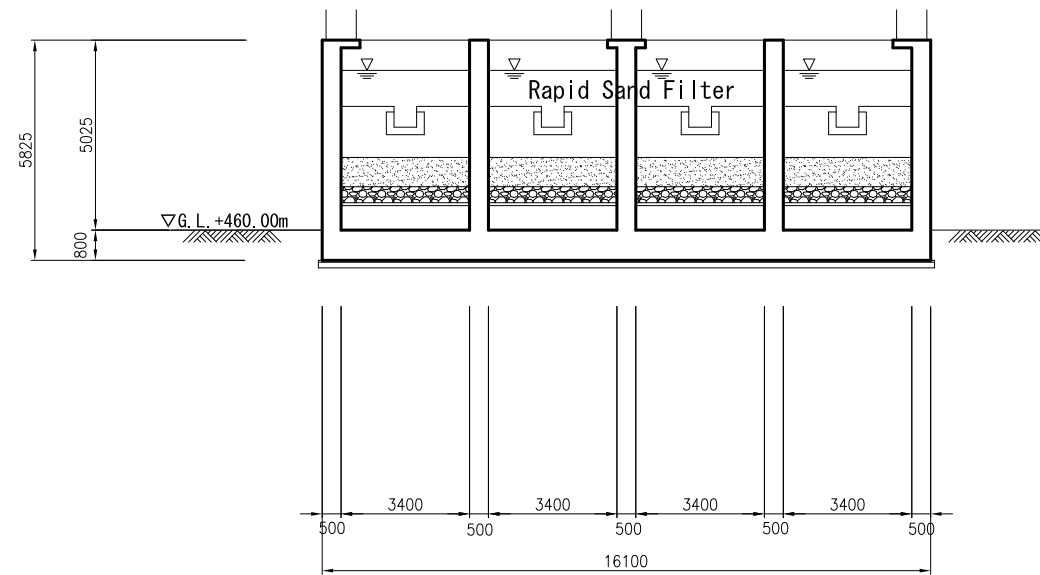
Expansion of the Existing WTP Receiving well, Sedimentation basin & Rapid sand filter (1)

Scale: 1/200

DRW. No. 1-05



SECTION B-B



SECTION C-C

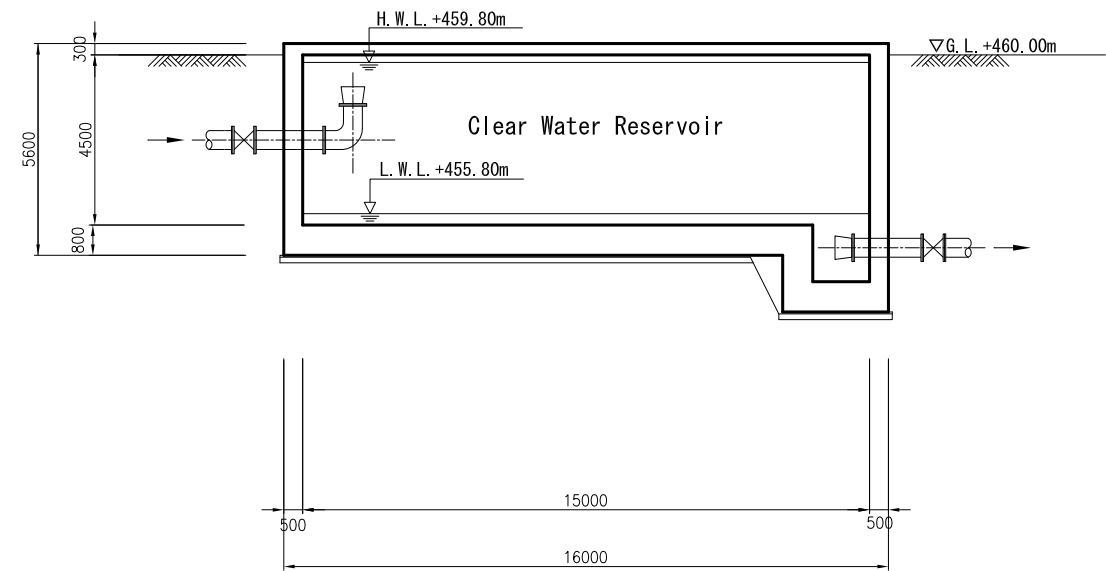
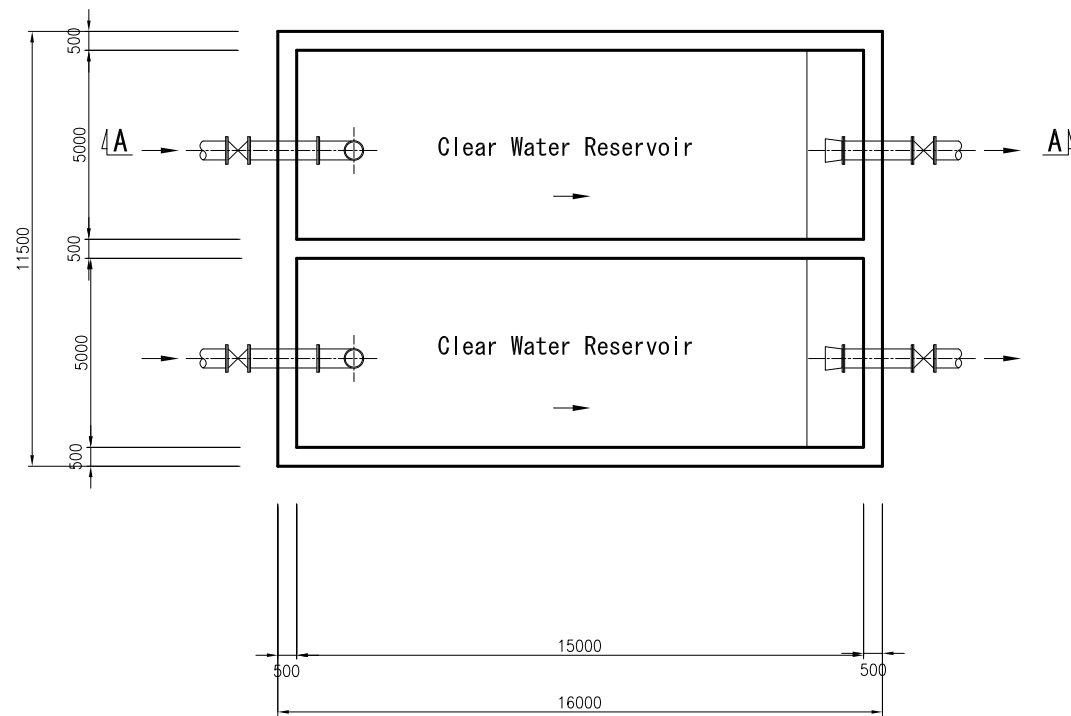
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

Expansion of
the Existing WTP
Receiving well, Sedimentation
basin & Rapid sand filter (2)

Scale:
1/200

DRW.
No. 1-06

CLEAR WATER RESERVOIR PLAN



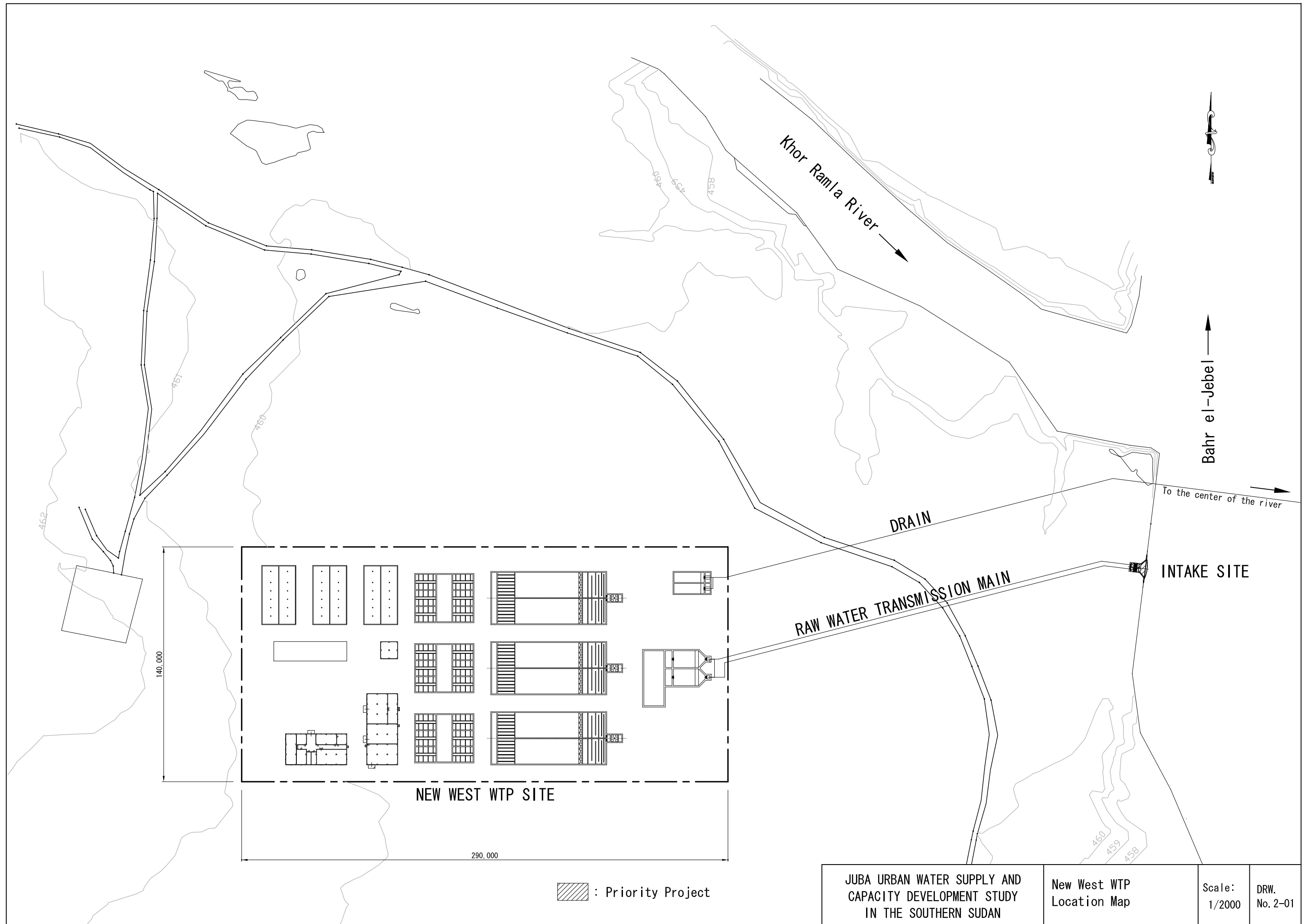
SECTION A-A

JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

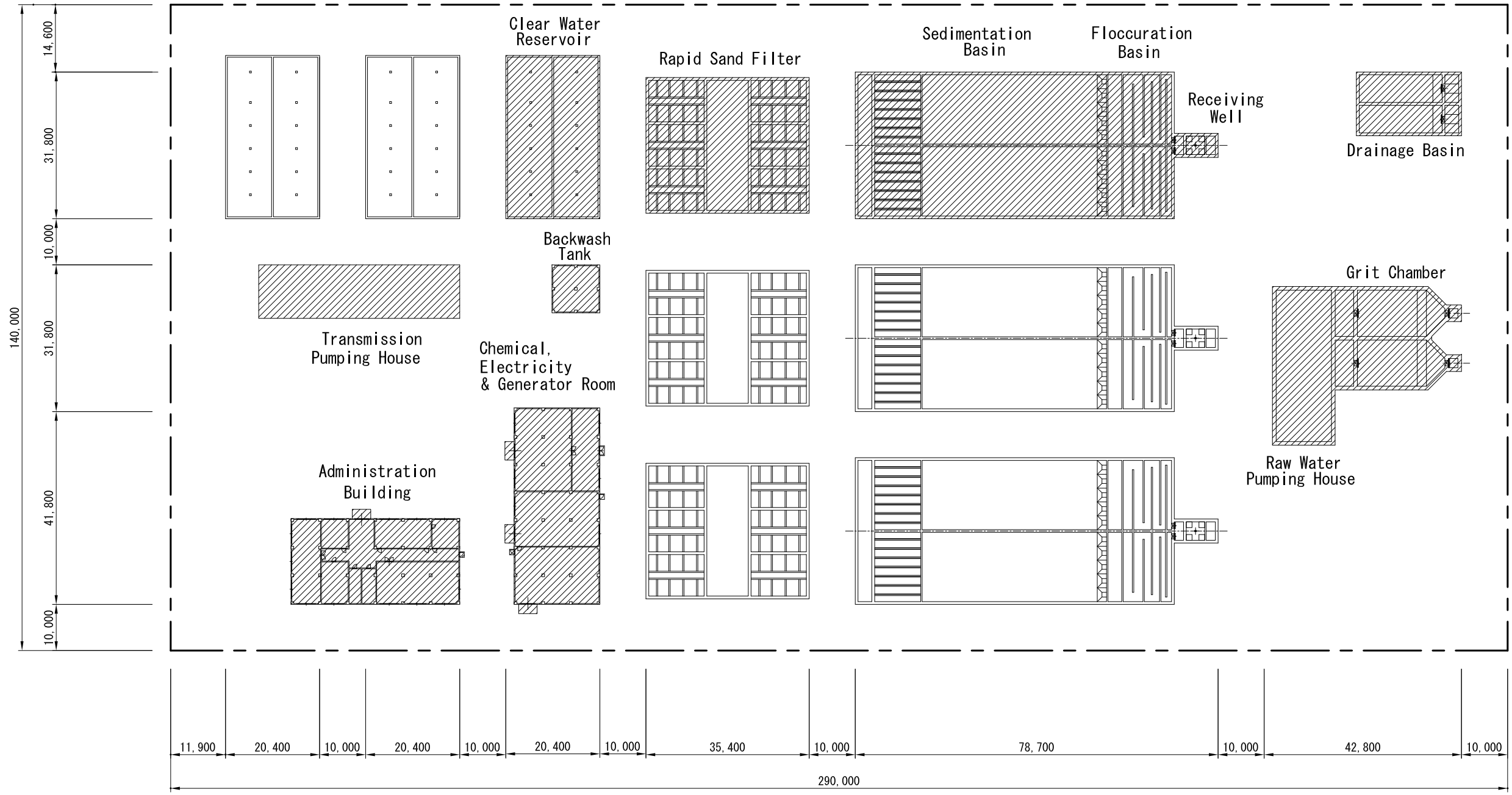
Expansion of
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Clear Water Reservoir


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DRW.
No. 1-07

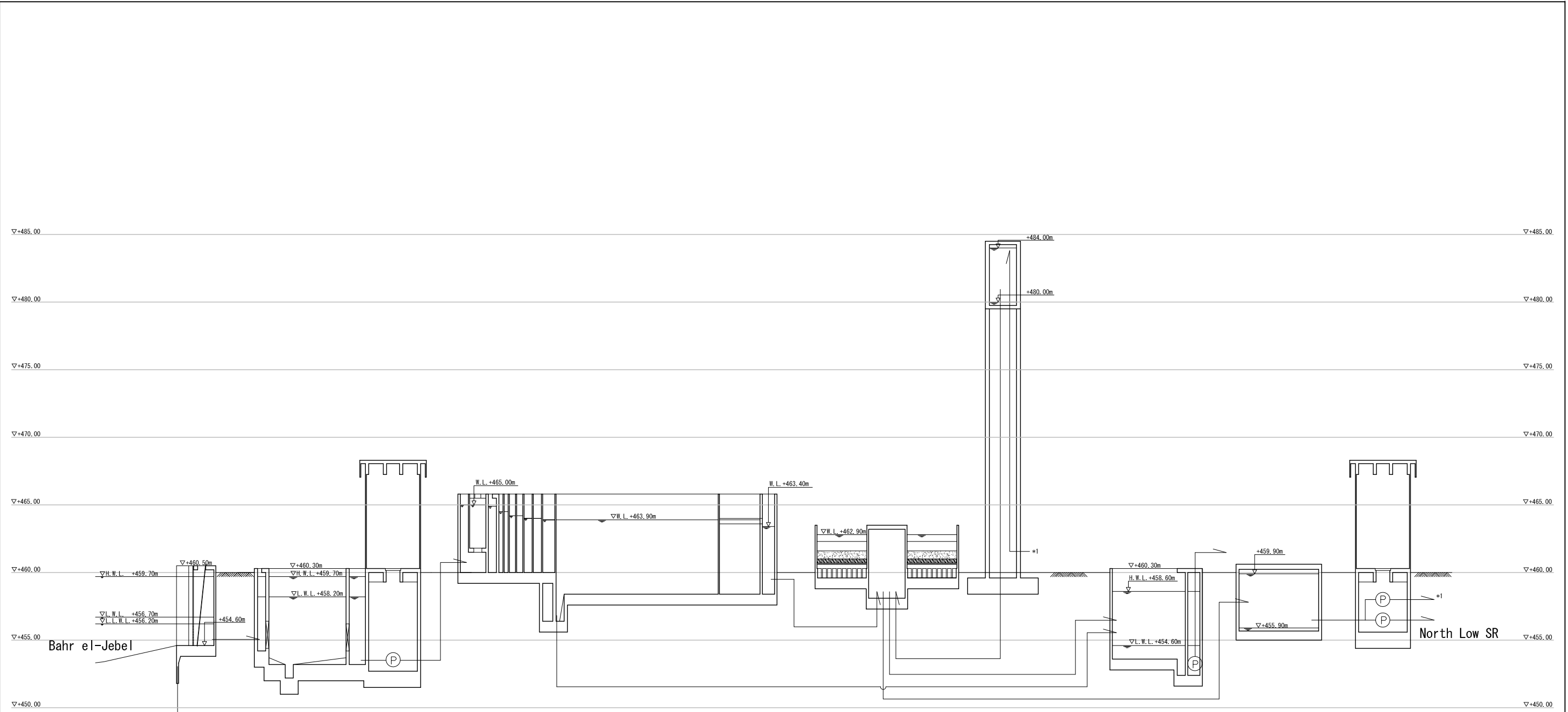


<p>JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN</p>	<p>New West WTP Location Map</p>	<p>Scale: 1/2000</p>	<p>DRW. No. 2-01</p>
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 : Priority Project

JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN	New West WTP General Plan	Scale: 1/1000	DRW. No. 2-02
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INTAKE

GRIT CHAMBR
& RAW WATER PUMPING HOUSE

RECEIVING WELL, FLOCCULATION BASIN
& SEDIMENTATION BASIN

RAPID SAND FILTER

BACKWSH TANK

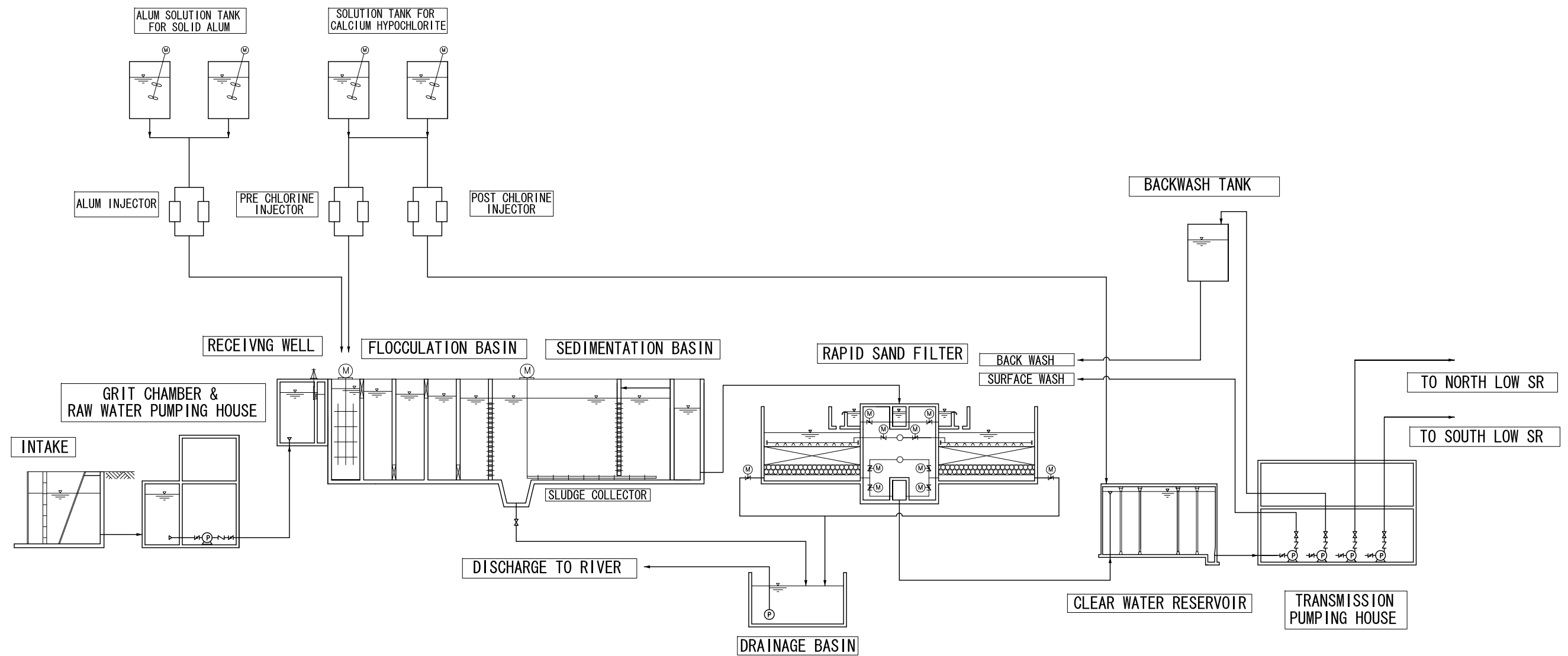
DRAINAGE BASIN

CLEAR WATER RESERVOIR

TRANSMISSION PUMPING HOUSE

North Low SR

<p>JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN</p>	<p>New West WTP Hydraulic Profile</p>	<p>Scale: SV=1/300</p>	<p>DRW. No. 2-03</p>
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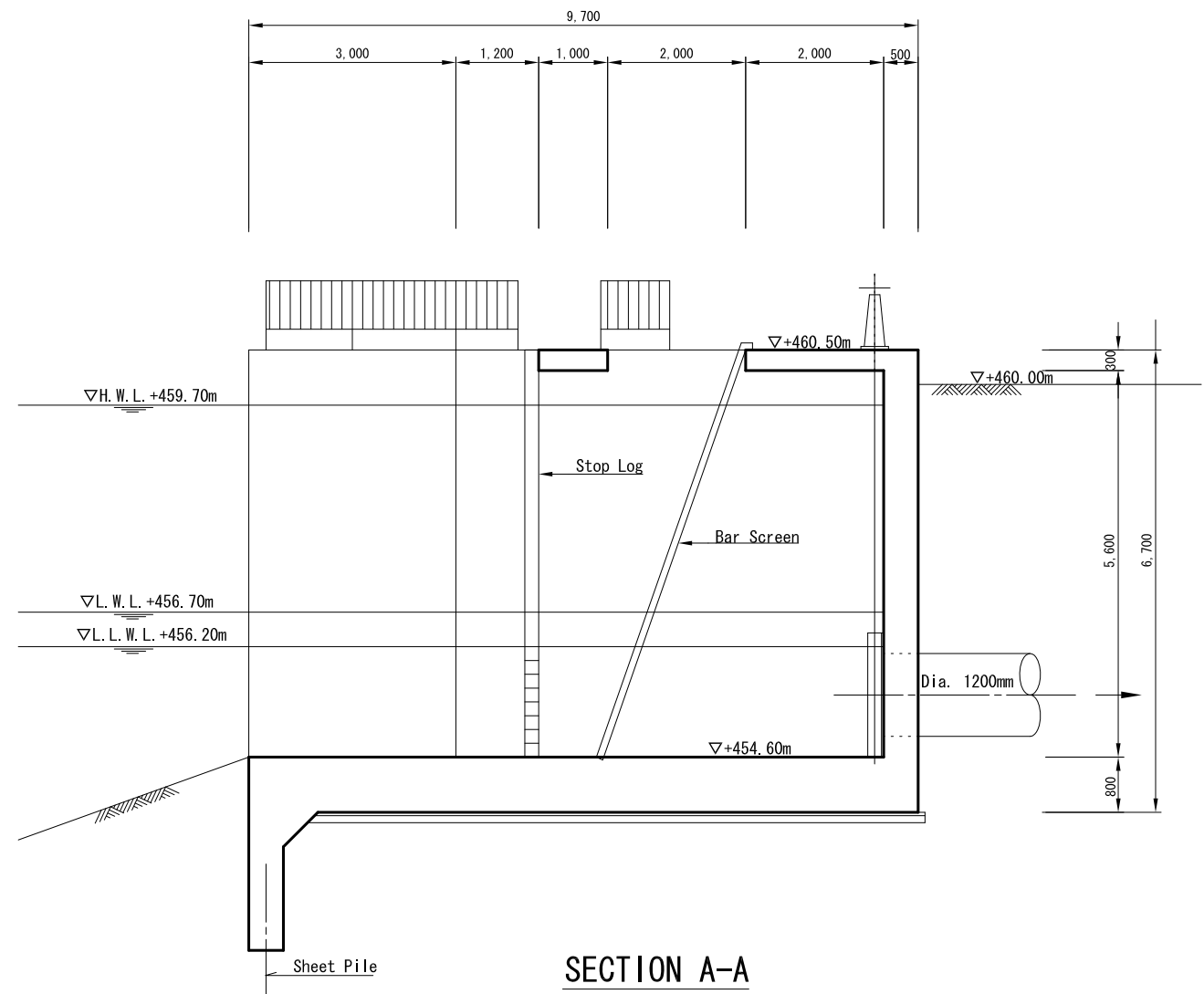
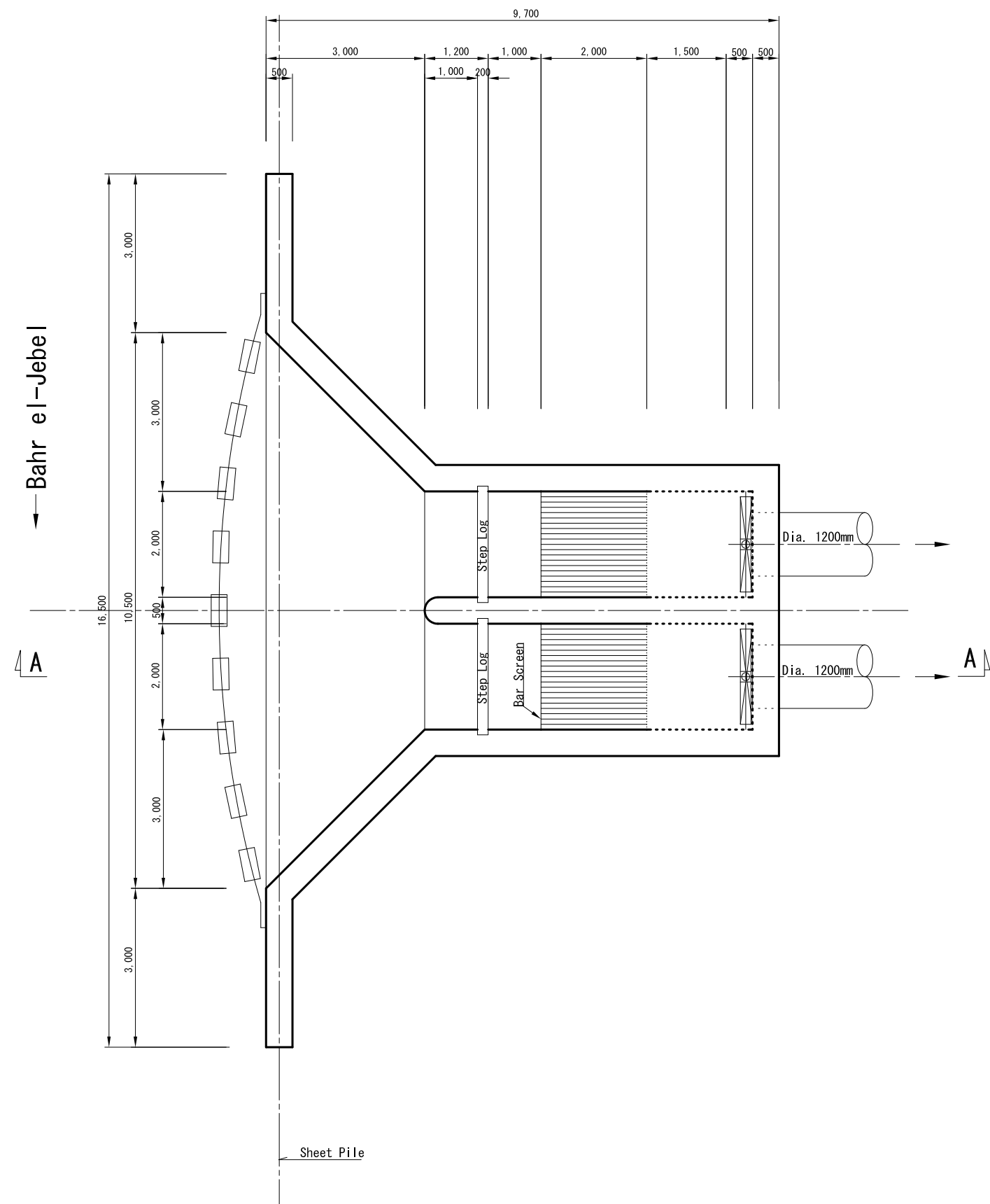
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Flow Diagram

Scale:
None

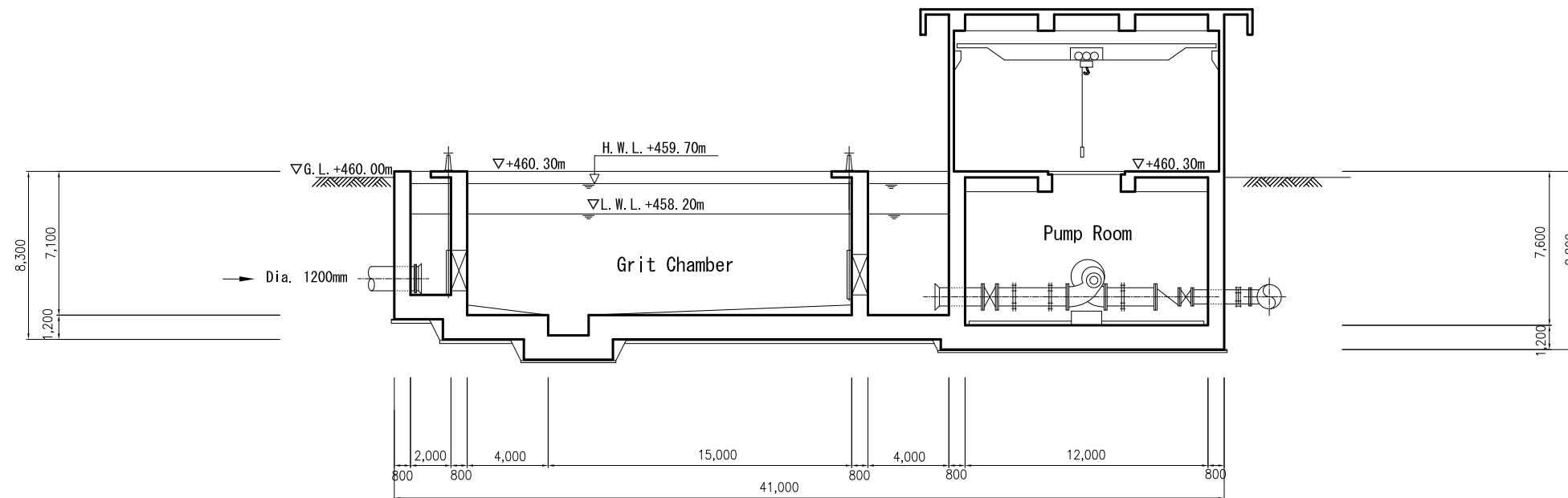
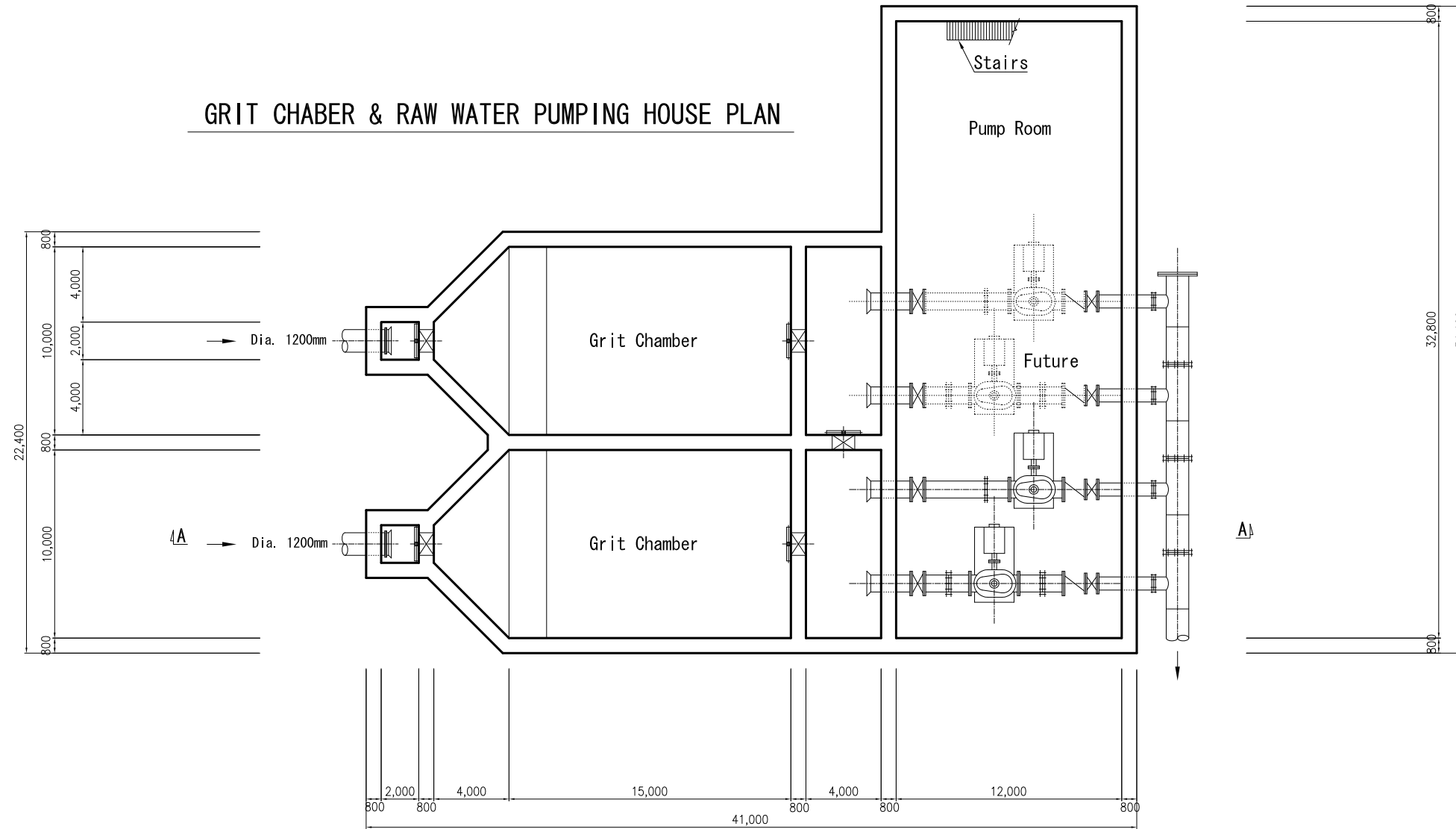
DRW.
No. 2-04

INTAKE PLAN



JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN	New West WTP Intake	Scale: 1/100	DRW. No. 2-05
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GRIT CHAMBER & RAW WATER PUMPING HOUSE PLAN



SECTION A-A

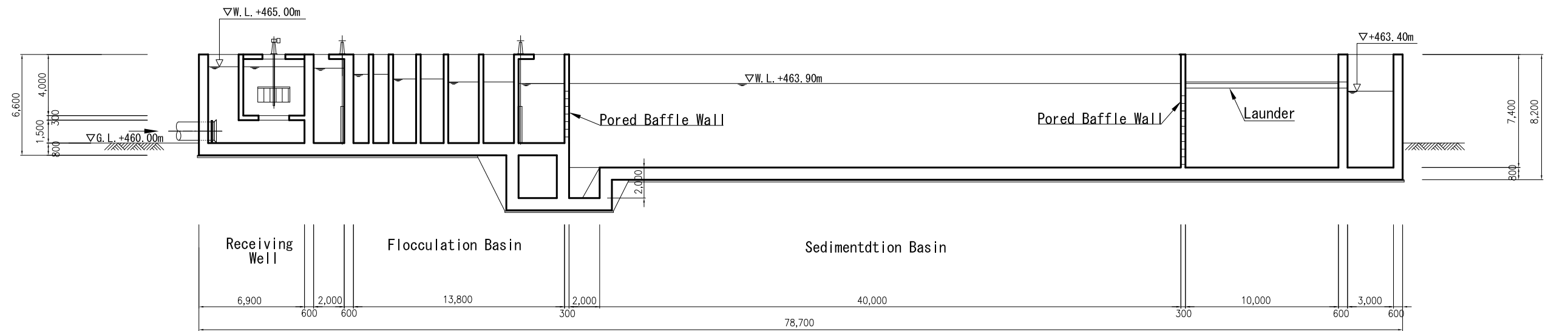
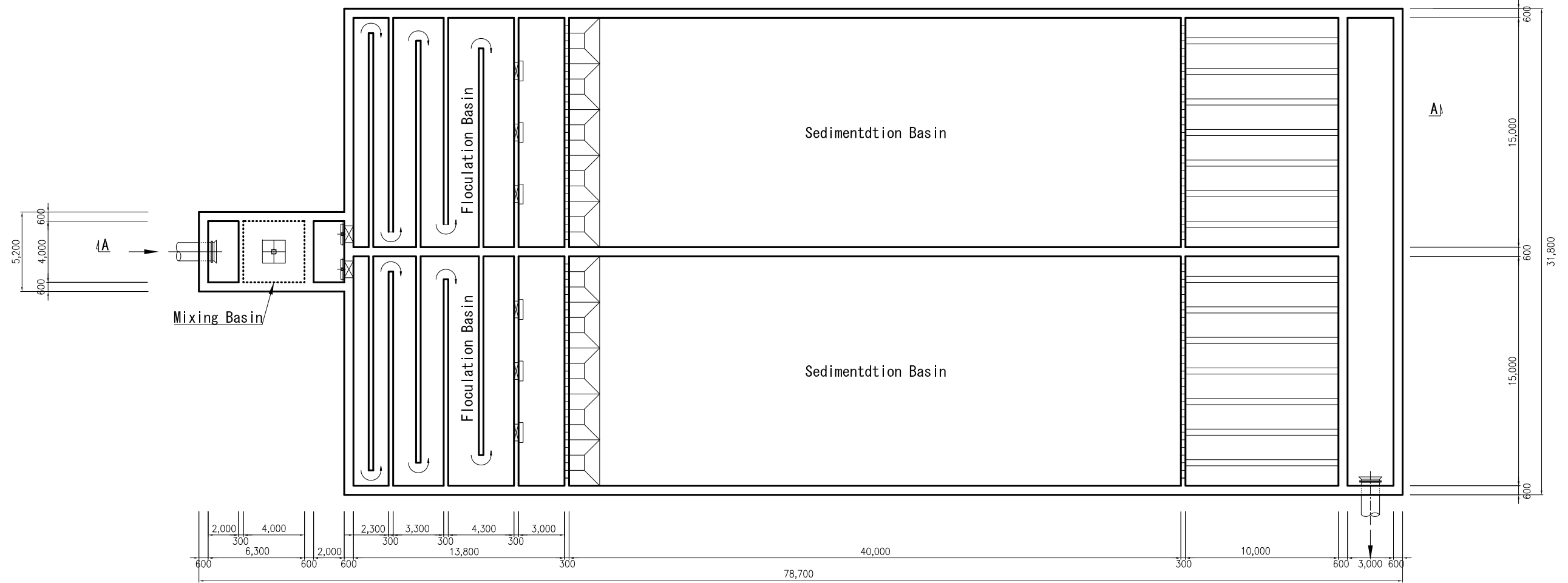
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Grit Chamber & Raw
Water Pumping House

Scale:
1/300

DRW.
No. 2-06

RECEIVING WELL, FLOCCULATION BASIN & SEDIMENTATION BASIN PLAN



SECTION A-A

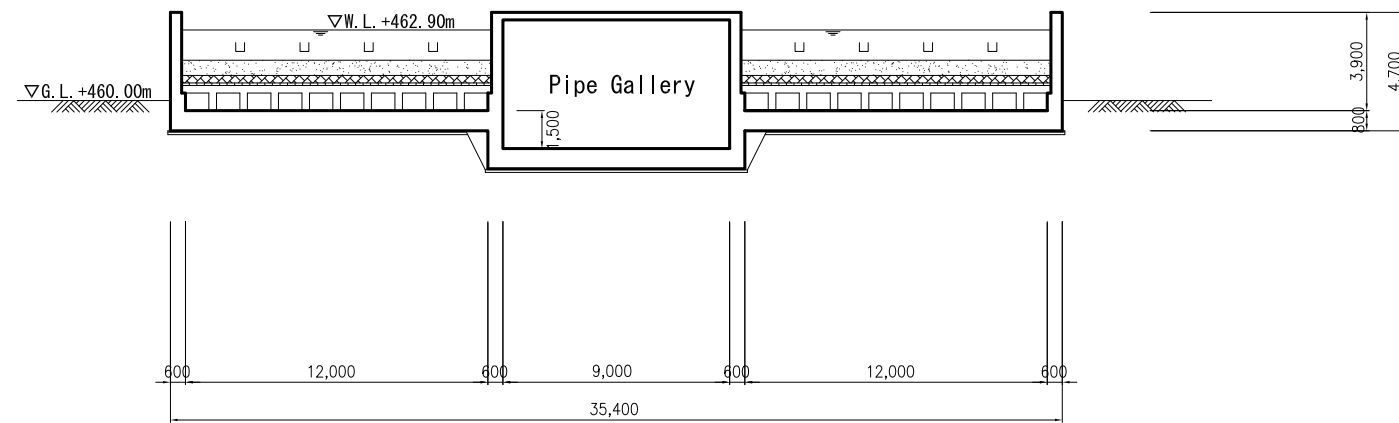
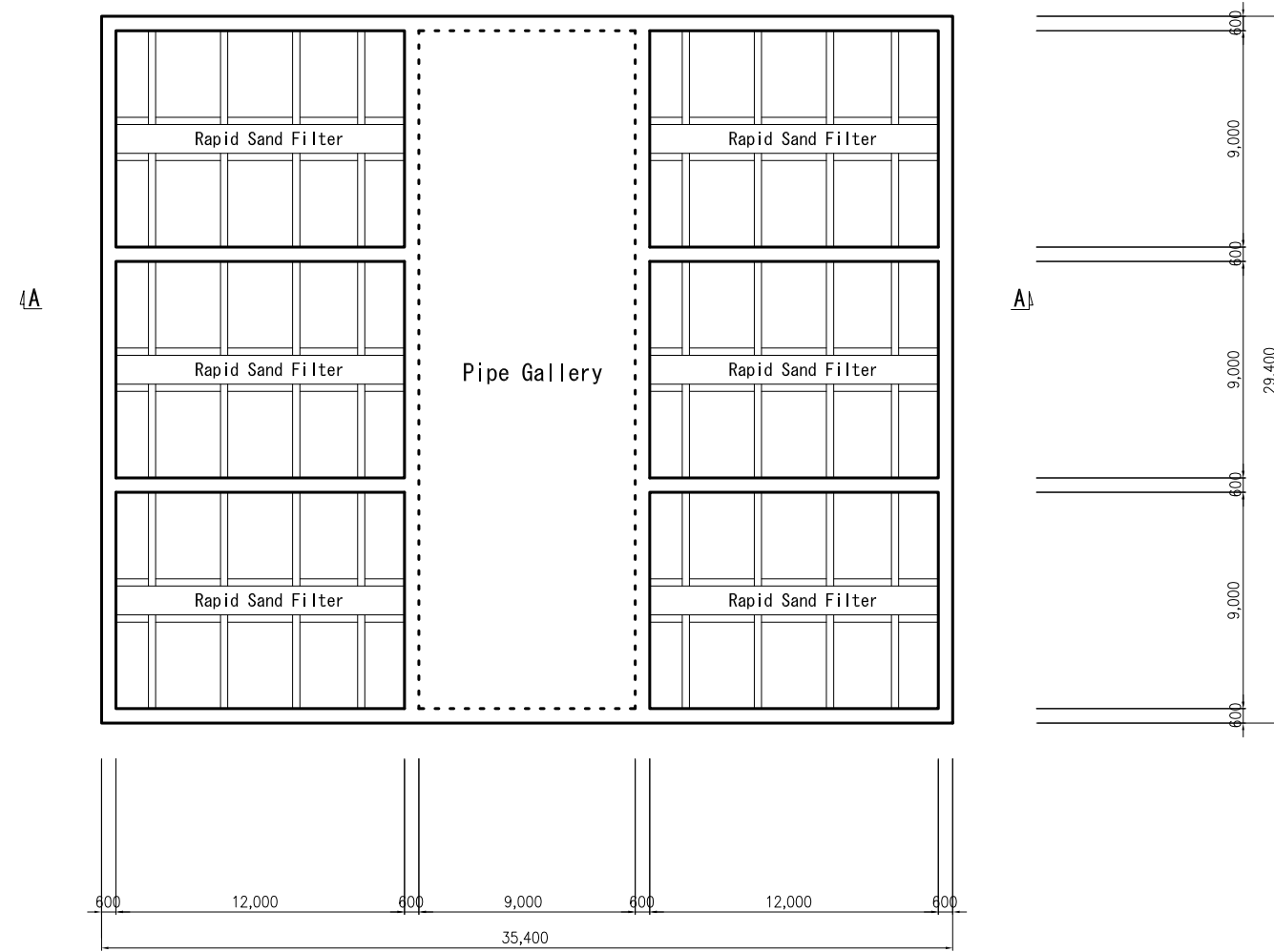
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Receiving Well,
Flocculation Basin
& Sedimentation Basin

Scale:
1/300

DRW.
No. 2-07

RAPID SAND FILTER PLAN



SECTION A-A

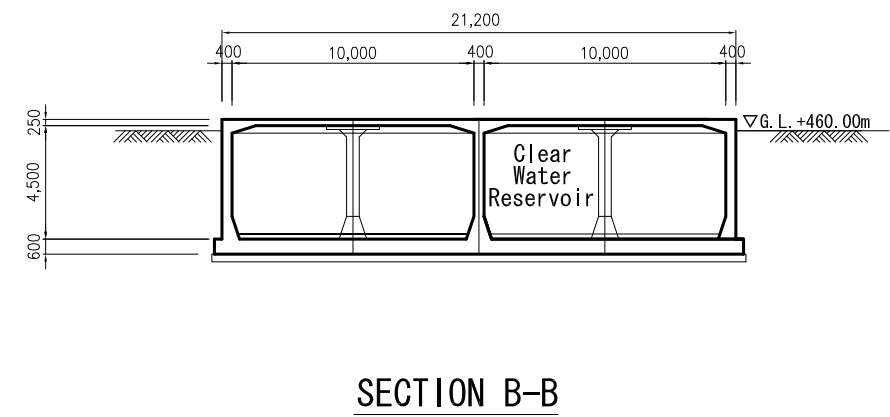
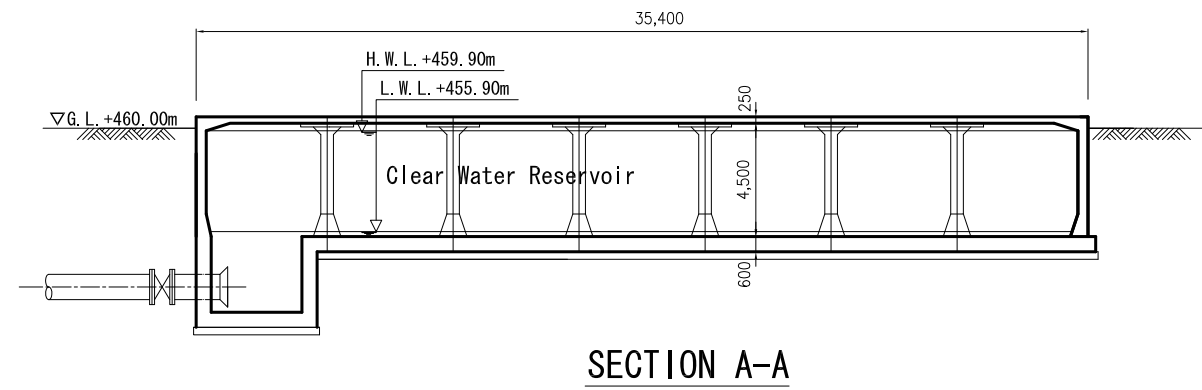
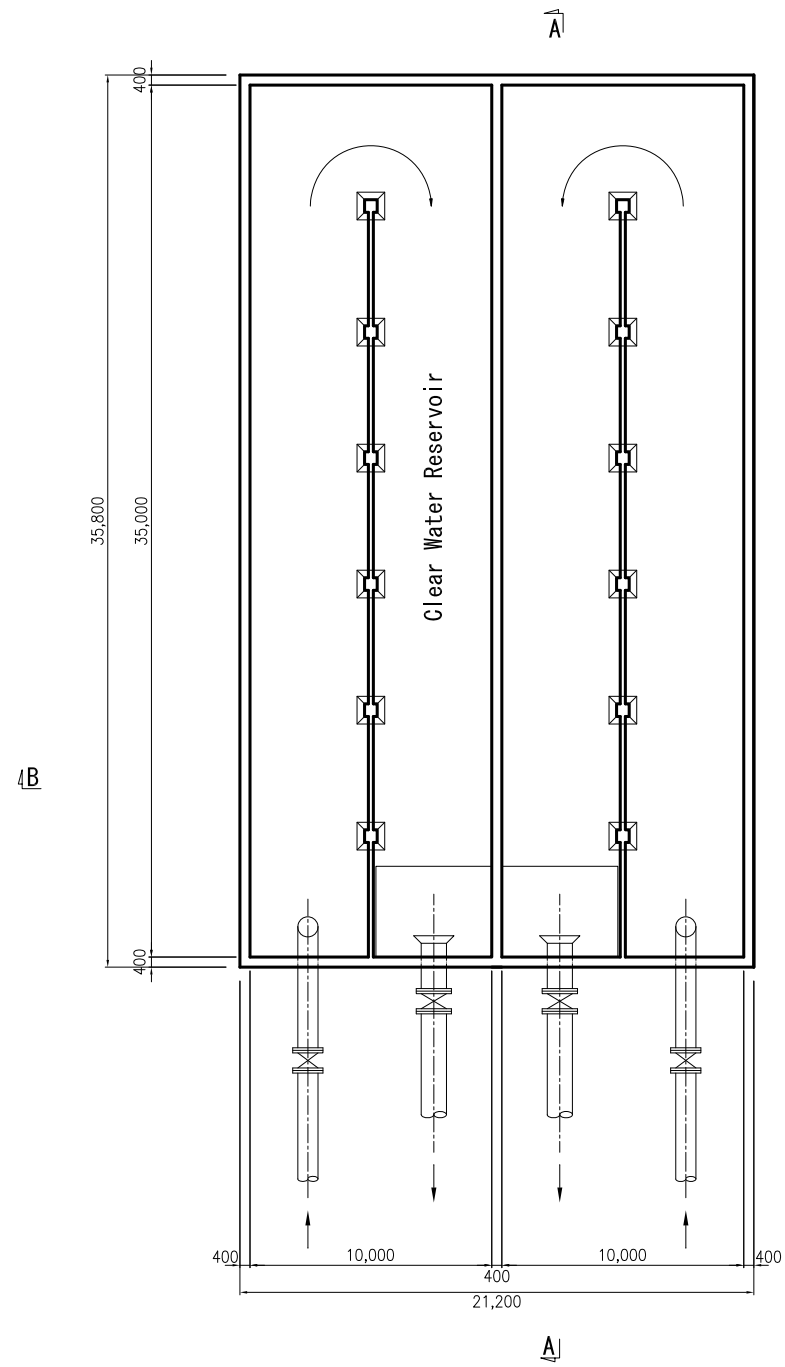
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Rapid Sand Filter

Scale:
1/300

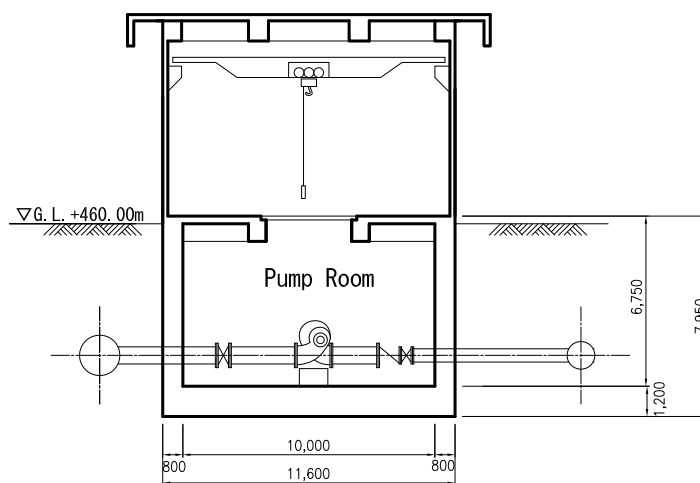
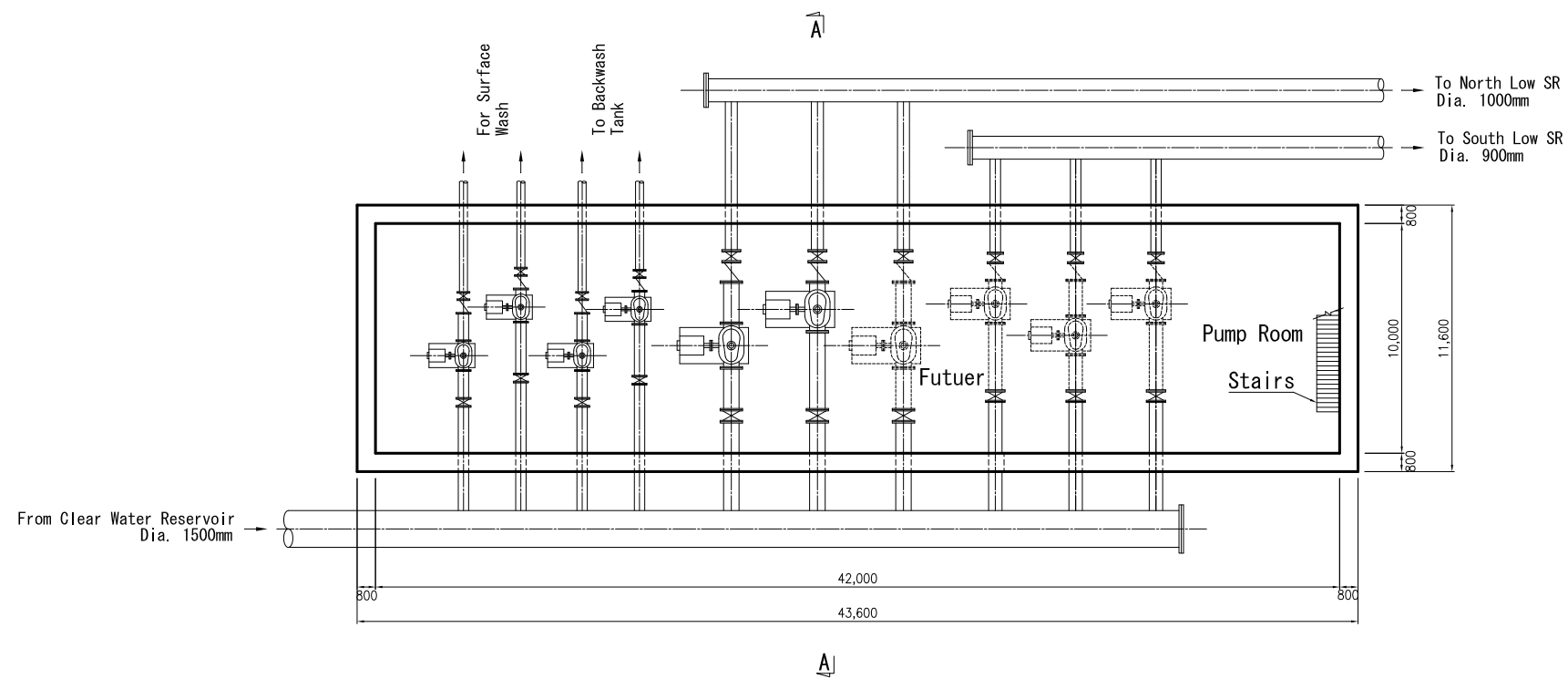
DRW.
No. 2-08

CLEAR WATER RESERVOIR PLAN



<p>JUBA URBAN WATER SUPPLY AND CAPACITY DEVELOPMENT STUDY IN THE SOUTHERN SUDAN</p>	<p>New West WTP Clear Water Reservoir</p>	<p>Scale: 1/300</p>	<p>DRW. No. 2-09</p>
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TRANSMISSION PUMPING HOUSE PLAN



SECTION A-A

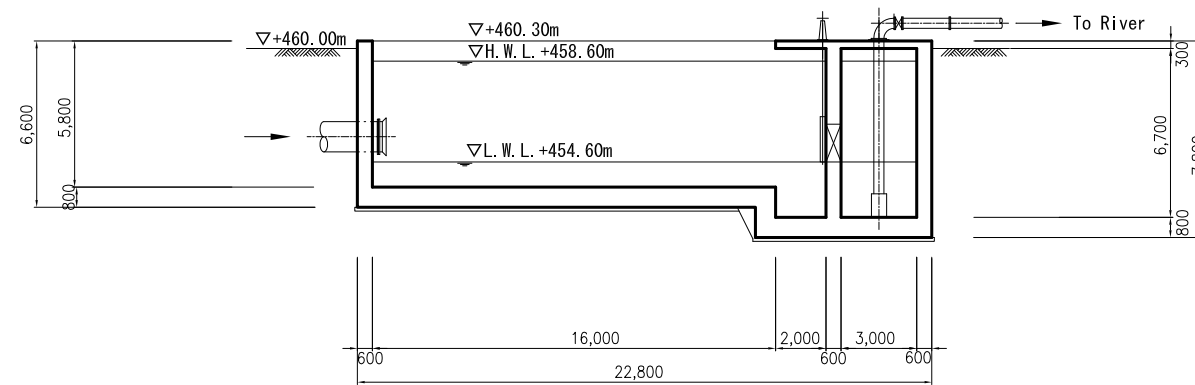
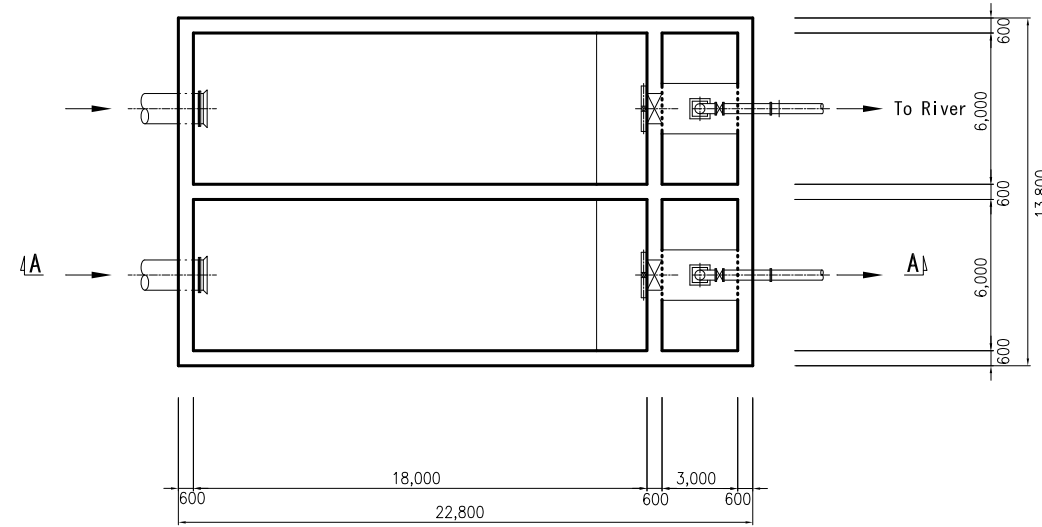
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Transmission
Pumping House

Scale:
1/300

DRW.
No. 2-10

DRAINAGE BASIN PLAN



SECTION A-A

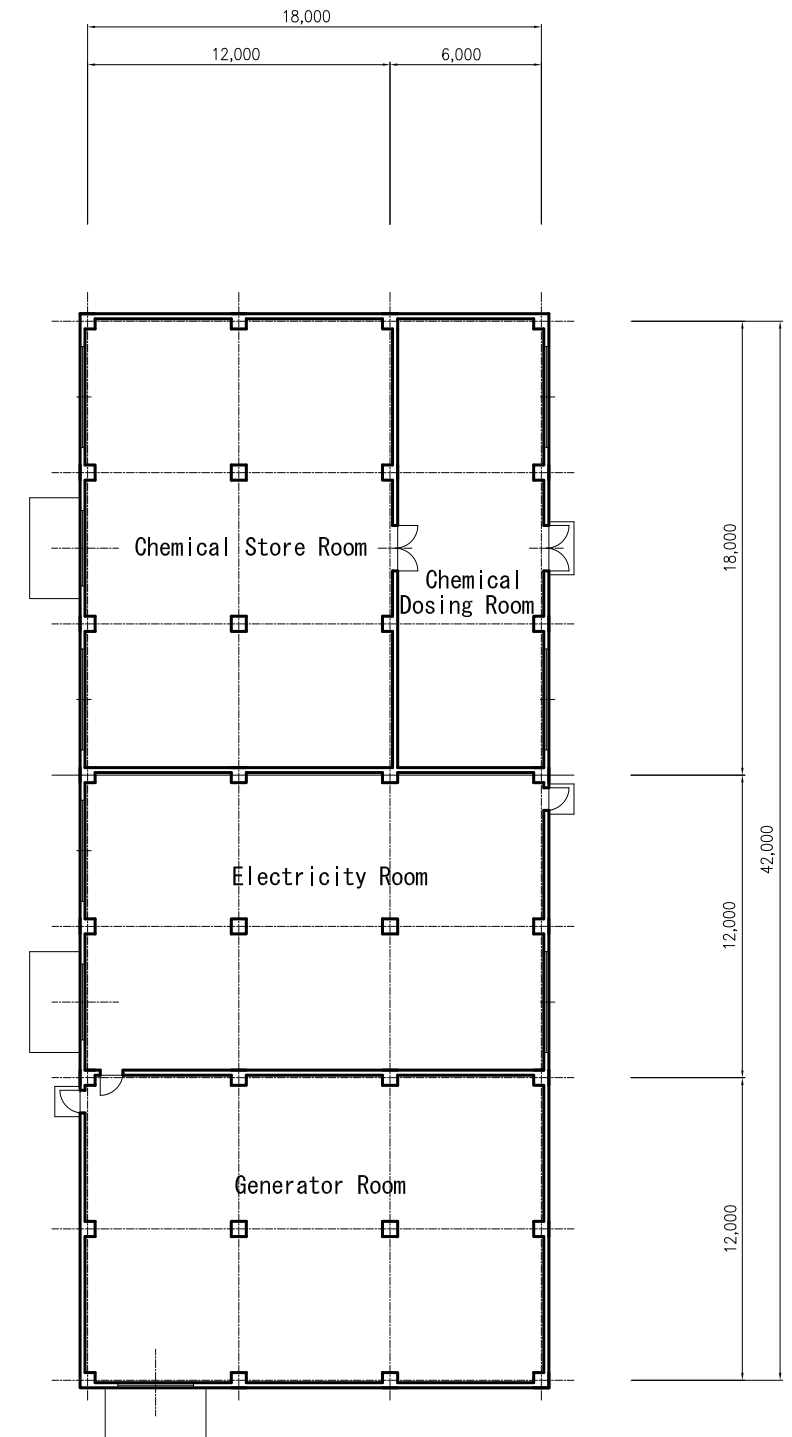
JUBA URBAN WATER SUPPLY AND
CAPACITY DEVELOPMENT STUDY
IN THE SOUTHERN SUDAN

New West WTP
Drainage Basin

Scale:
1/300

DRW.
No. 2-11

CHEMICAL, ELECTRICITY & GENERATOR ROOM PLAN



ADMINISTRATION BUILDING PLAN

