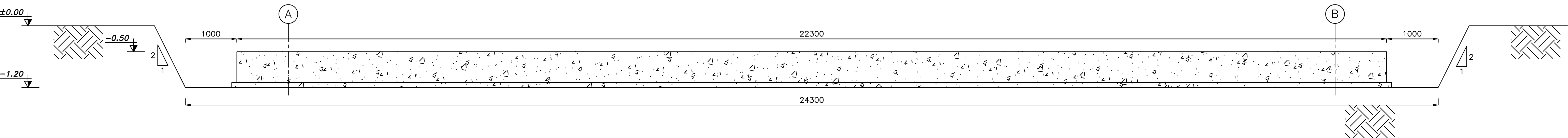
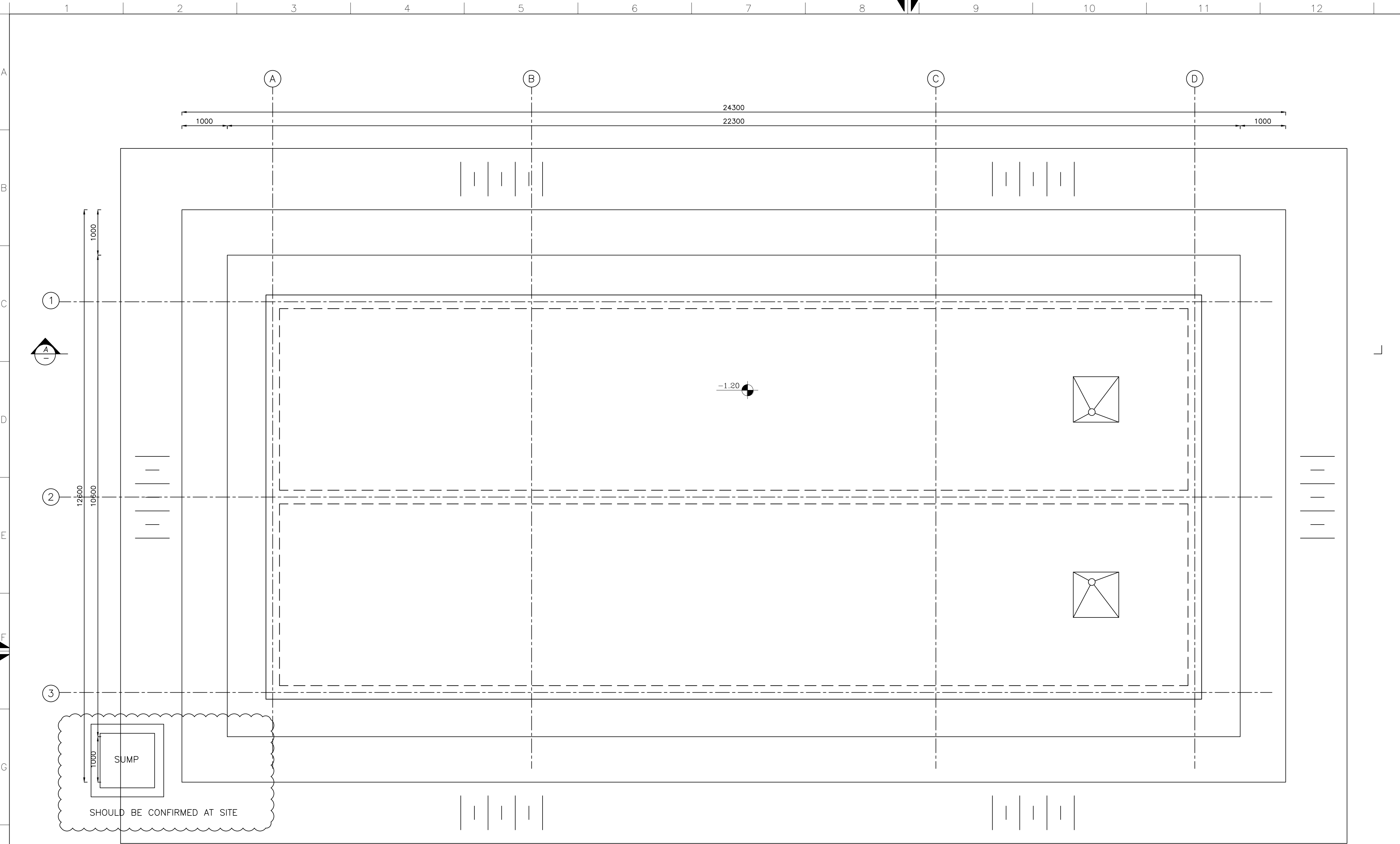


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1	ACCORDING TO LETTER NO. 157-051273	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

1. All dimensions are specified in millimeters, and all coordinates and elevations are in meters.

2. Reinforced concrete shall achieve the specified compressive strength of $f_c = 300 \text{ kg/cm}^2$ on cylinder samples with dimensions of 150 mm diameter $\times$ 300 mm height, unless otherwise noted. The maximum water - to - cement ratio (W/C) shall not exceed 0.40.

3. Portland cement, Type II, shall be used for all concrete works, with a minimum cement content of 350 kg/m³.

4. Reinforcement bars shall have a yield strength of 4000 kg/cm², conforming to Type AIII specifications.

5. Lean concrete with specified compressive strength of $f_c = 100 \text{ kg/cm}^2$ and cement content of 150 kg/m³ shall be placed immediately after excavation to mitigate soil weathering.

6. Bar overlaps, end hooks, bents and development lengths shall comply with the requirements of INBC - 9, Section 9 - 21.

7. Final slopes shall be determined on - site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

KEY PLAN

CLIENT:

شرکت توسعه آبن و فولاد گل گهر
G.I.S.D.Co.

CONSULTANT:

برسو
BARSOO
CONSULTING and PROJECT MANAGEMENT
برسوه مهندسی

CONTRACTOR:

SUBCONTRACTOR:

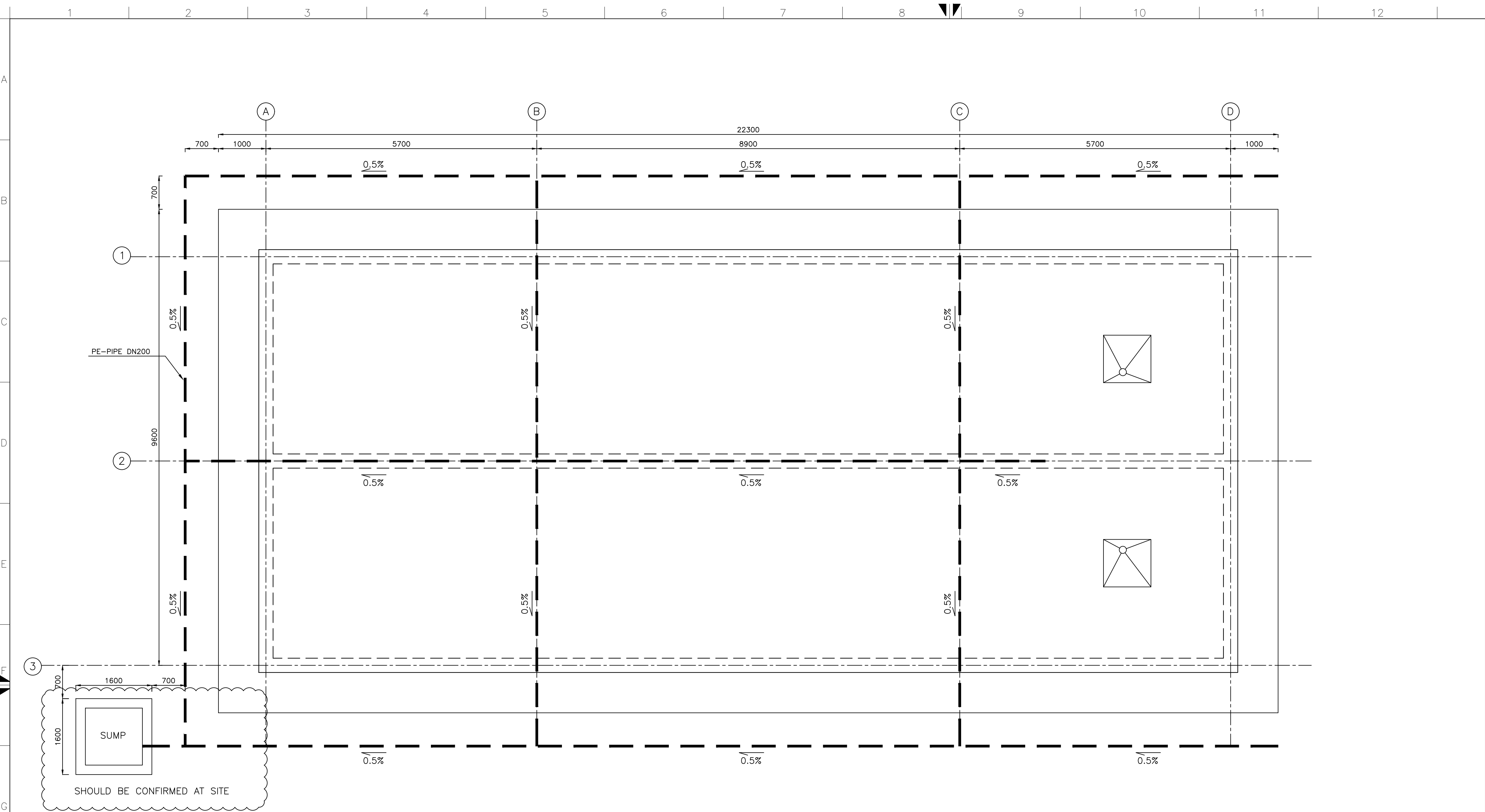
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Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-001
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030101-01
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

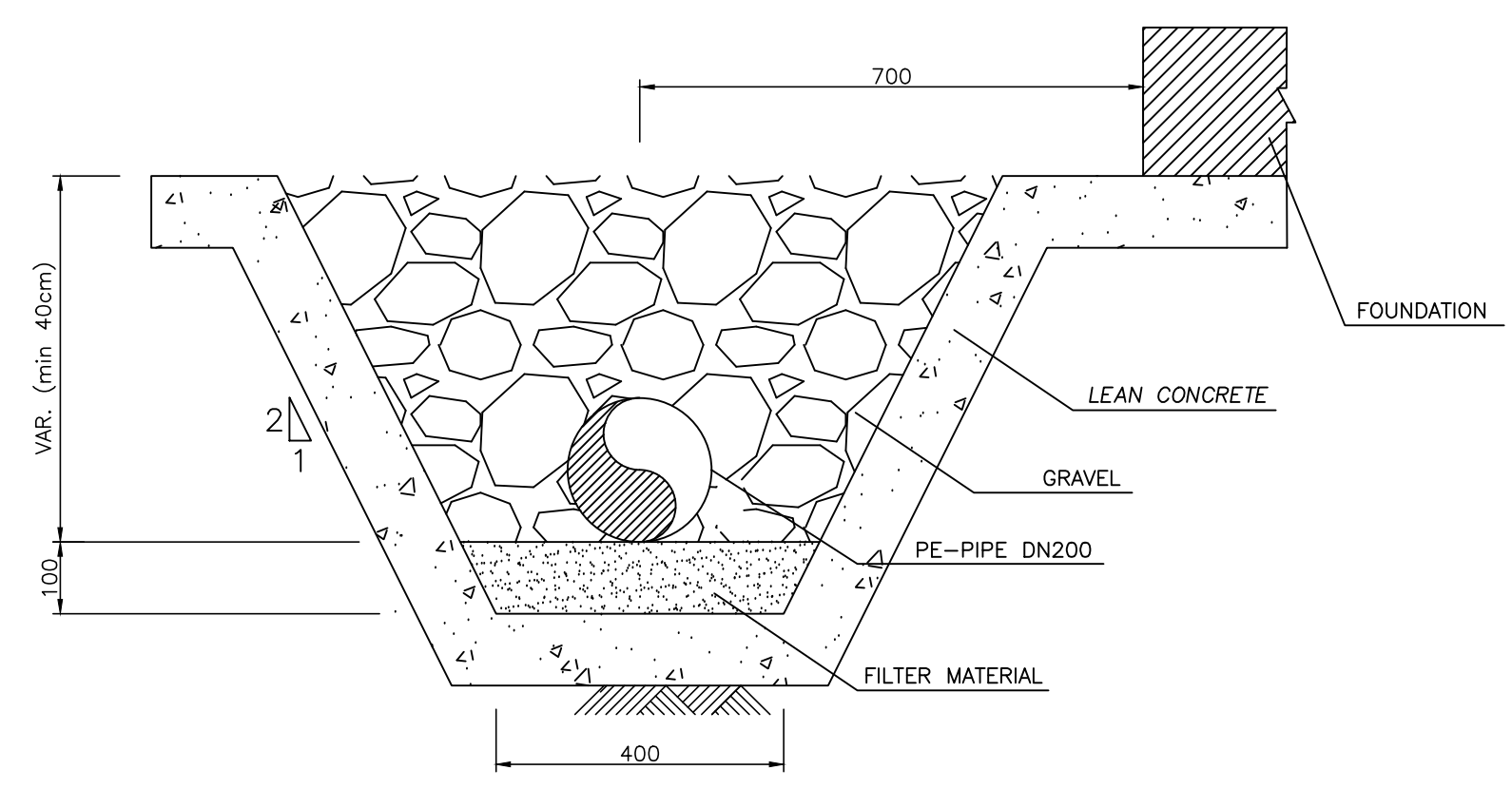
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DRAWING NO.										
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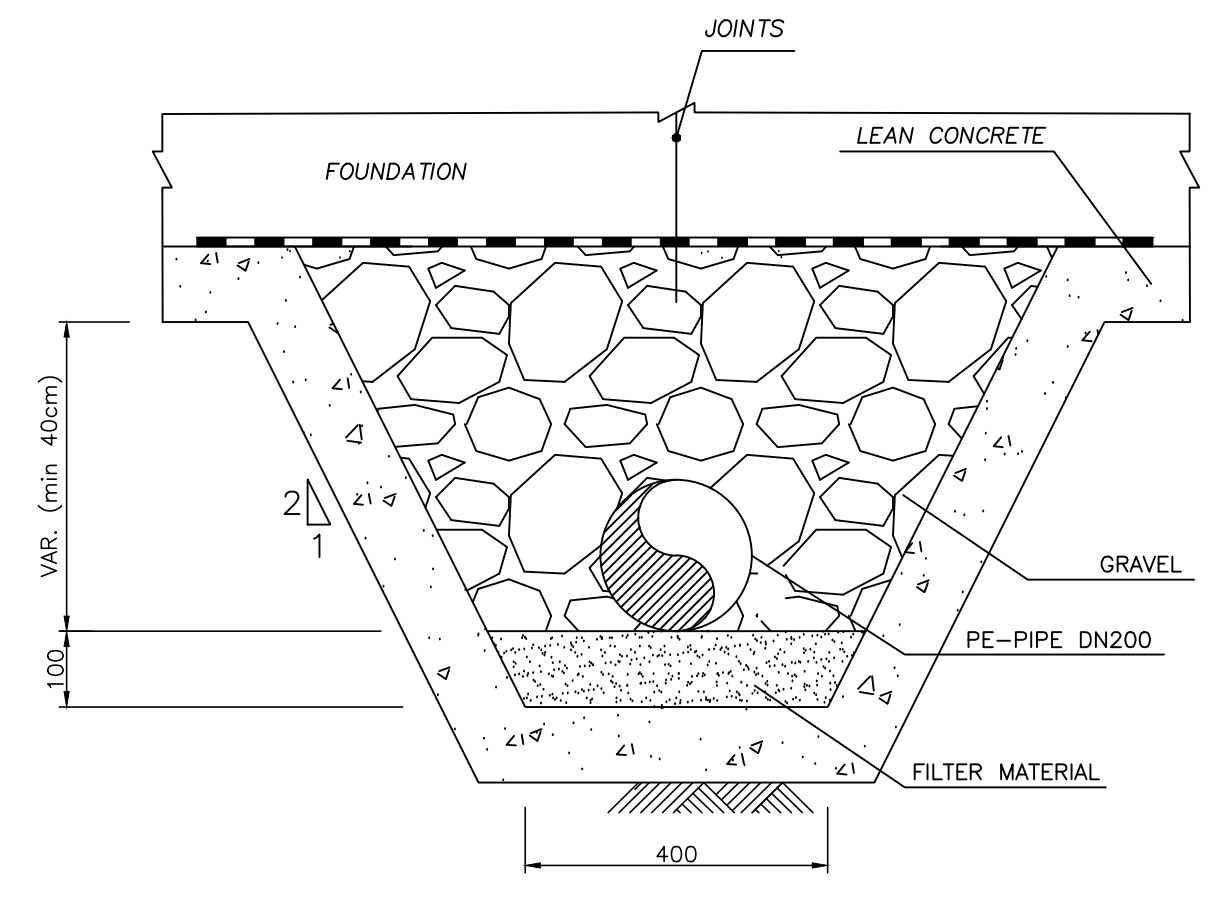
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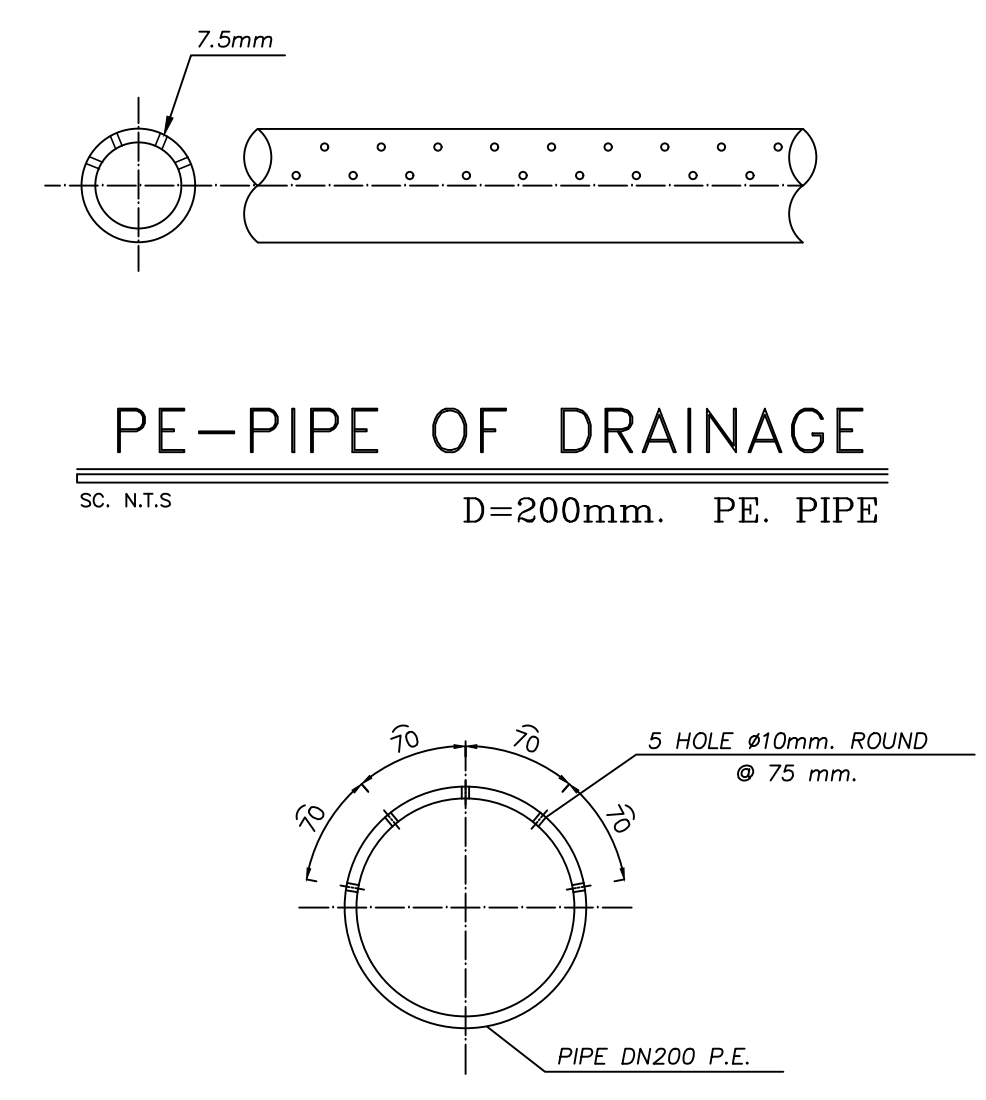
FOUNDATION DRAINAGE PLAN
SC: 1:50



DRAINAGE DETAIL
SC: 1:10 AROUND THE TANK



DRAINAGE DETAIL
SC: 1:10 BENEATH THE TANK



PE-PIPE OF DRAINAGE
SC: N.T.S. D=200mm. PE. PIPE

PE-PIPE OF DRAINAGE
SC: N.T.S.

REFERENCES

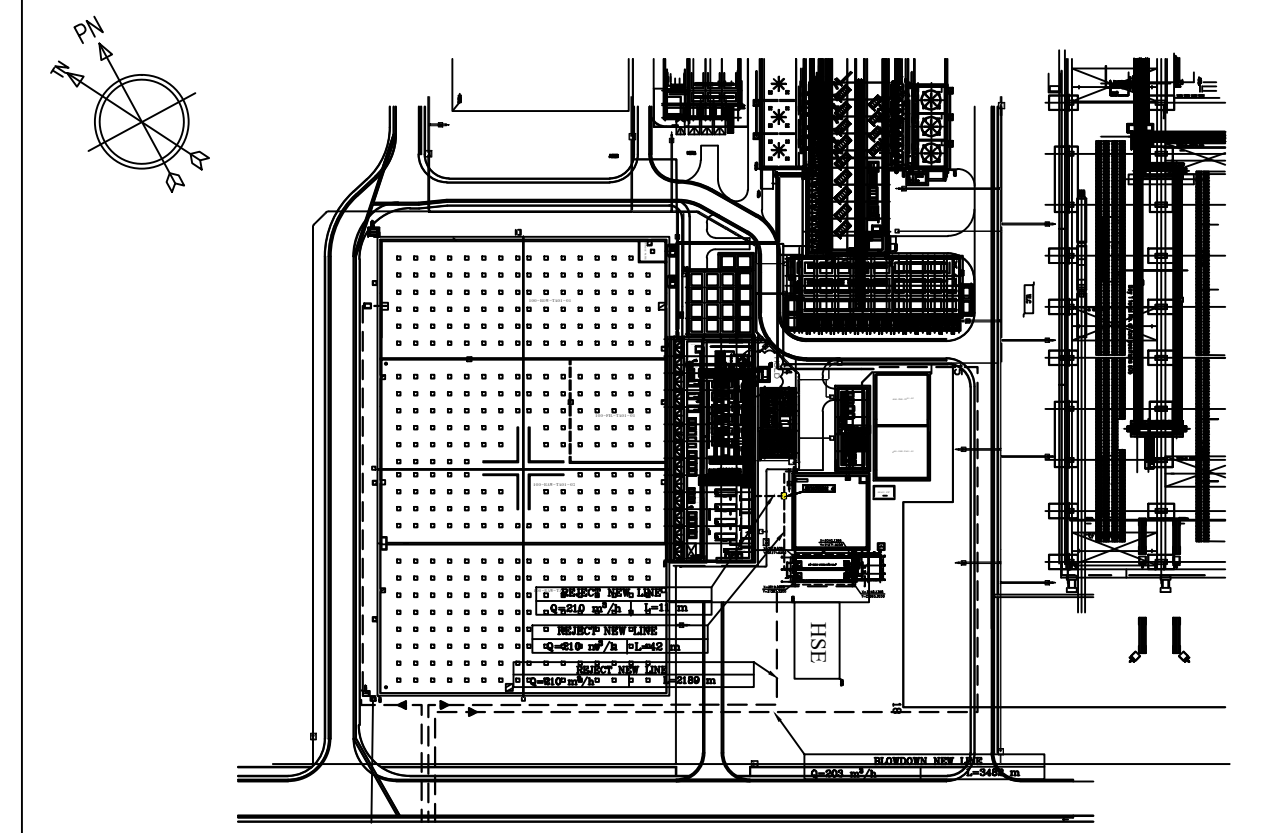
RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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- Final slopes shall be determined on -site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

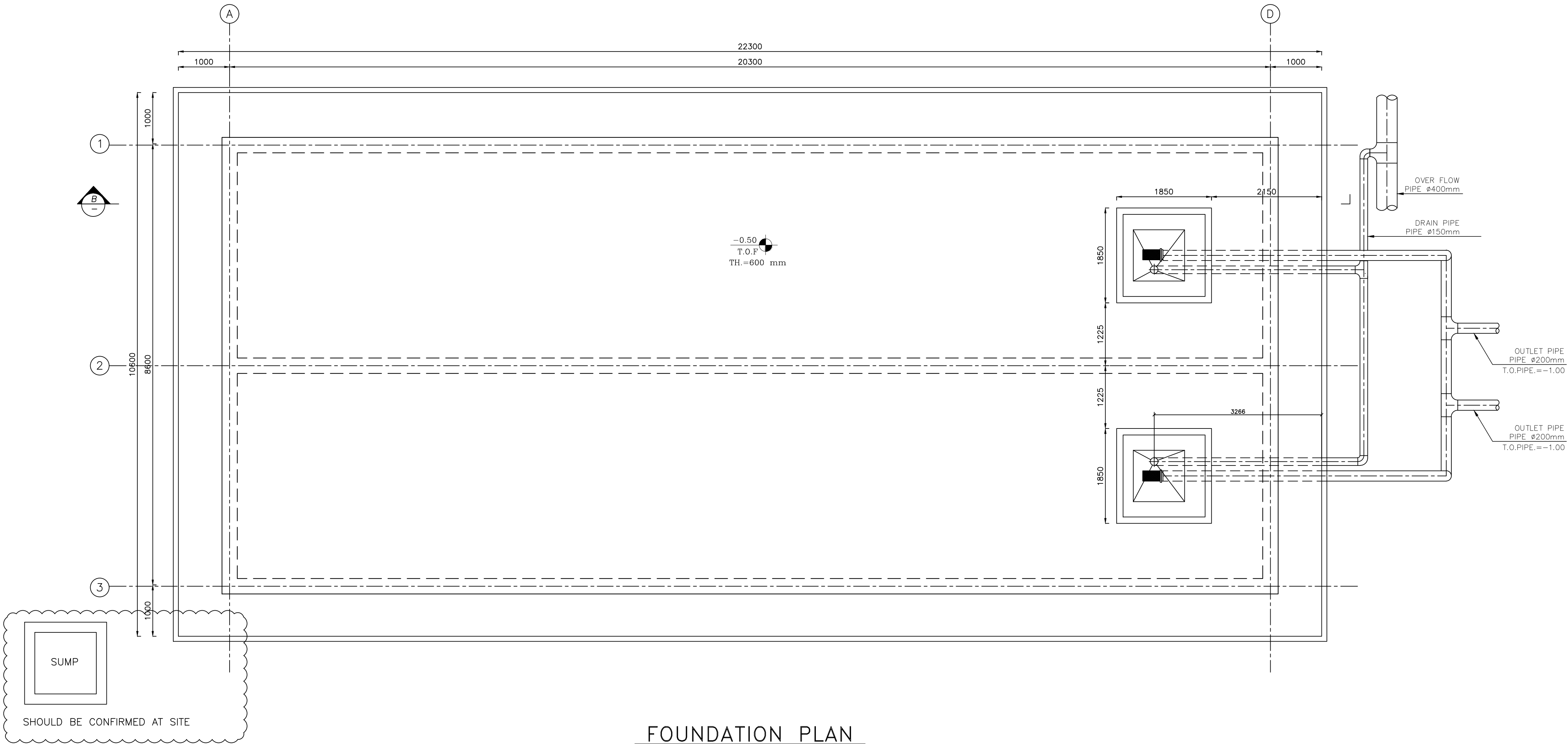
KEY PLAN



CLIENT: شرکت توسعه آبن و فولاد گل گهر G.I.S.D.Co.		CONSULTANT: برسو BARSOO CONSULTING and PROJECT MANAGEMENT	
CONTRACTOR:		SUBCONTRACTOR:	
	Name	Date:	Sign.
Approved	A.MONFARED	1405.01.23	--
Checked:	AH.KOSARIEH	1405.01.23	--
Designed:	Z.MANSOURI	1405.01.23	--
PROJECT: RAW WATER STORAGE TANK (800 m ³)		CLIENT DOC . NO. S-SM01-D-BOP-WWTP-DWG-CV-002	
DRAWING TITLE: FOUNDATION DRAINAGE PLAN & DETAILS		PROJECT NO.: 157DCGU1030102-01	
DRAWING NO.		SCALE 1:1000 DOC CLASS NO.: --	
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE
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UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO
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REV	SIZE	SHEET	
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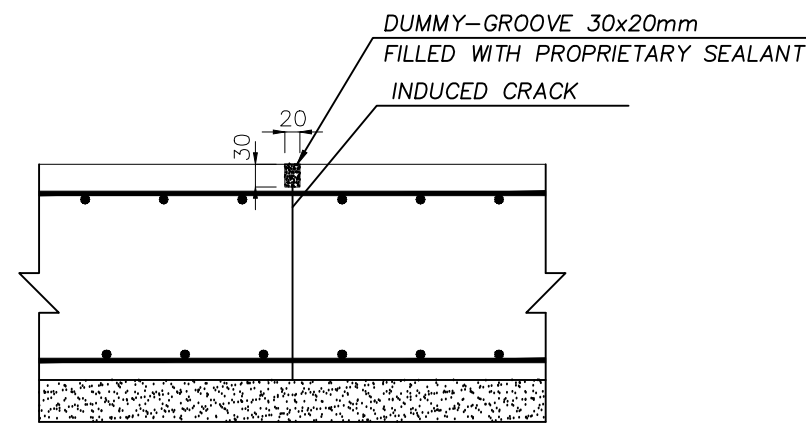
1	ACCORDING TO LETTER NO. 157-051273	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

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FOUNDATION PLAN

SC.1:50



CONSTRUCTION JOINT

SC. N.T.S

FOUNDATION

REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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- Final slopes shall be determined on - site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

CLIENT:



CONSULTANT:



CONTRACTOR:

SUBCONTRACTOR:

	Name	Date:	Sign.	CLIENT DOC . NO.	
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-003	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030103-01	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

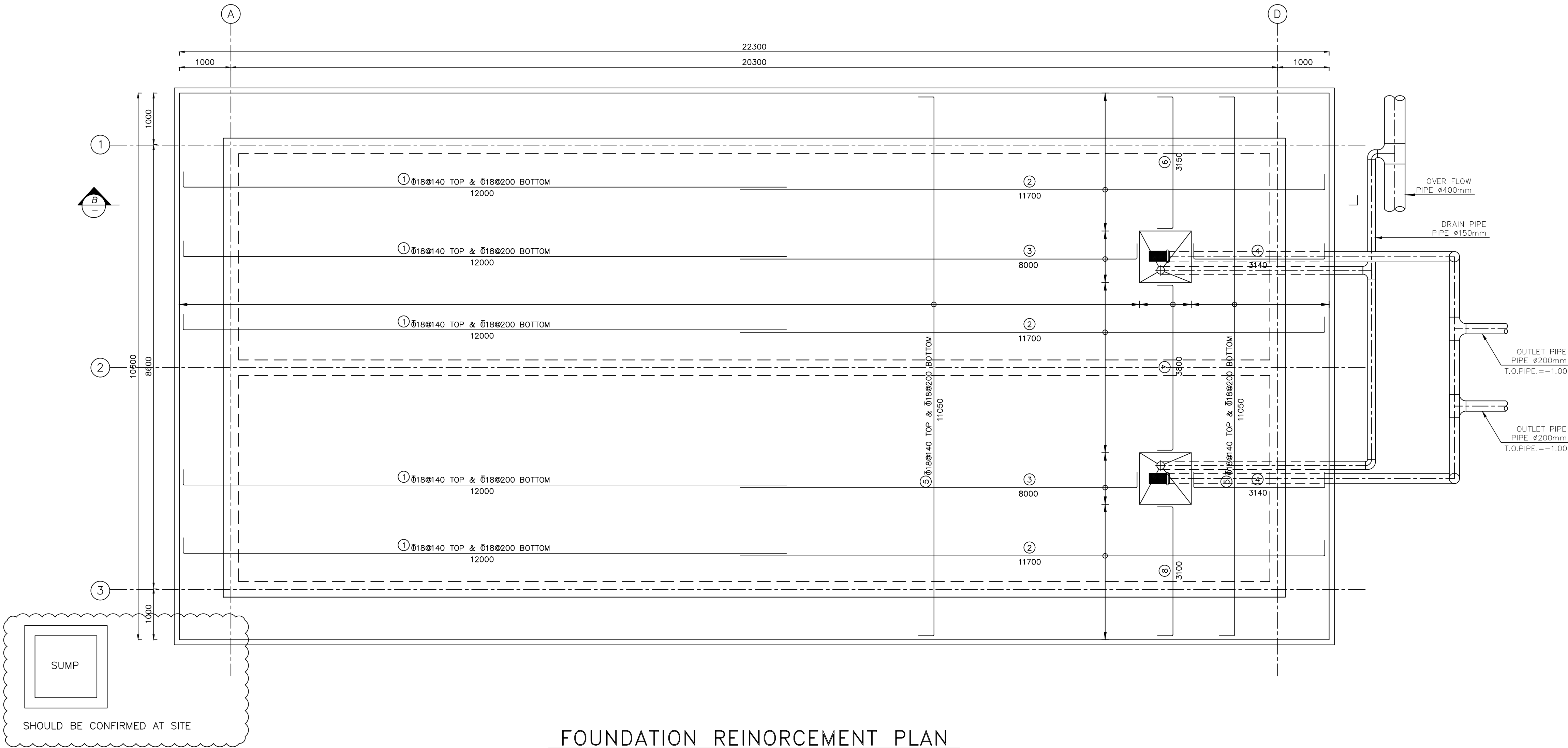
PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: FOUNDATION PLAN

DRAWING NO.										
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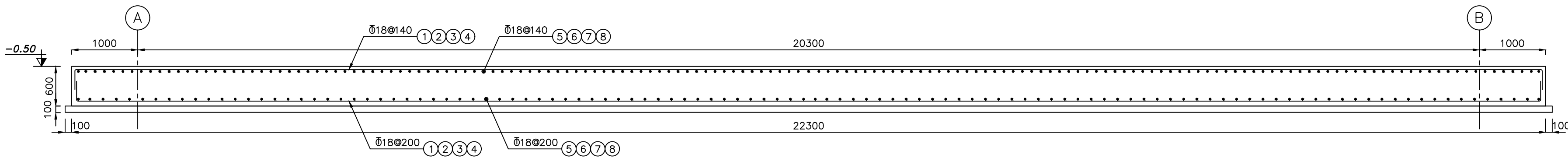
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FOUNDATION REINFORCEMENT PLAN

SC. 1:50



SECTION B-B

SC. 1:50

1	ACCORDING TO LETTER NO. 157-051273	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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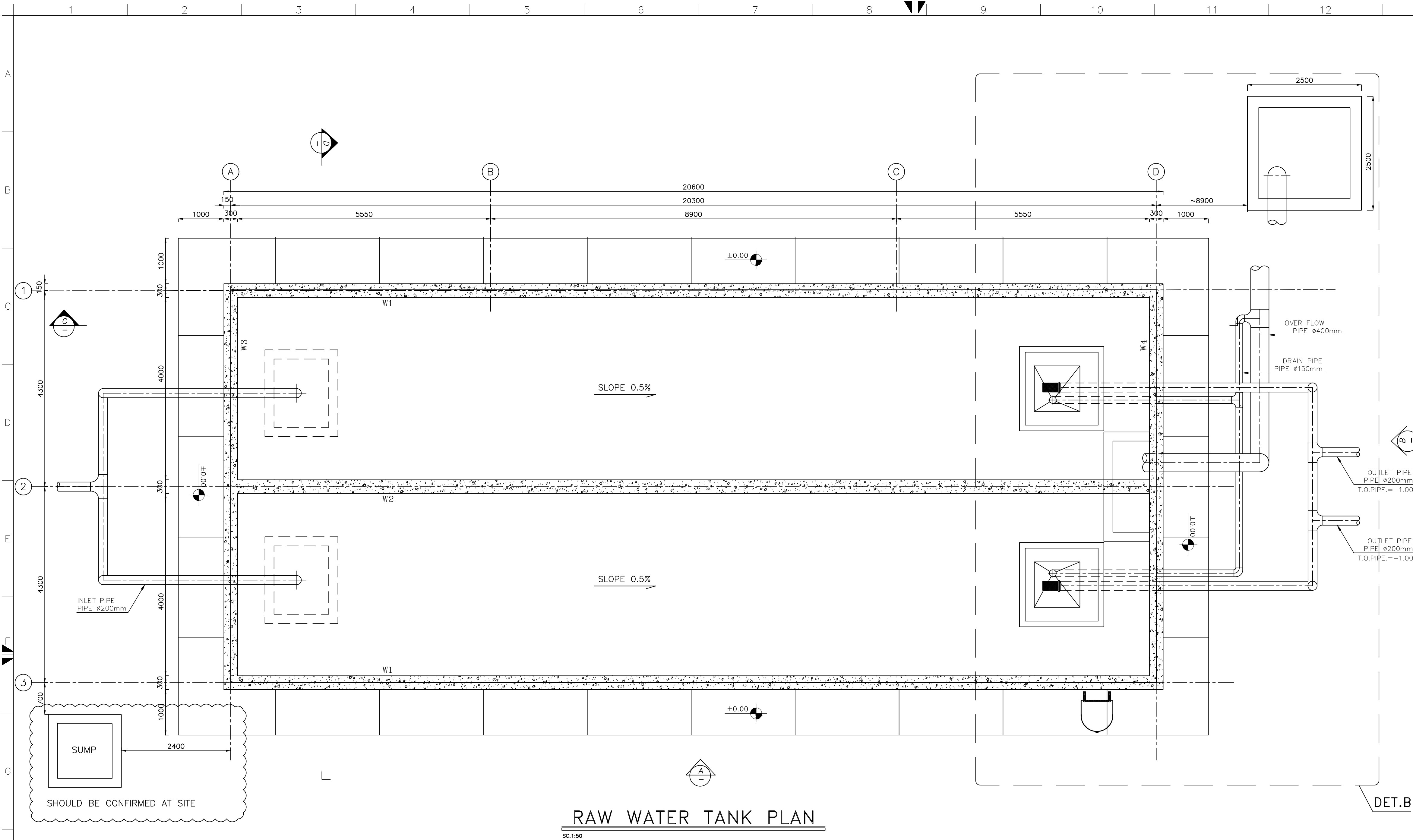
for TENDER DOCUMENT

CLIENT:	CONSULTANT:

CONTRACTOR:				SUBCONTRACTOR:	
	Name	Date:	Sign.	CLIENT DOC . NO.	
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-0	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030104-01	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT:		RAW WATER STORAGE TANK (800 m³)								
DRAWING TITLE: FOUNDATION REINFORCEMENT PLAN & SECTION										
DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET NO
S	SM01	D	BOP	WWTP	DWG	CV	004	01	A1	1

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RAW WATER TANK PLAN
SC:1:50

ITEM	DN	ØExt. Thk. mm	DIMENSION mm					PLATE MATERIAL	PIPE MATERIAL	Q.ty	NOTE
			A	B	C	D	E**				
N1	150	168.3x7.11	-	-	-	4000	300	St 37.0	STAINLESS PIPES EN ISO1127/OR GALVANIZED	2	Drain
N2	200	221.3x9.53	150	400	150	700	500	St 37.0	STAINLESS PIPES EN ISO1127	2	OUTLET
N3	400		-	500	200	700	600	St 37.0	STAINLESS PIPES EN ISO1127/OR GALVANIZED	1	OVER FLOW
N4	100	114.3x6.02	-	250	1000	1250	300	St 37.0	St 37-2	7	VENT

1	ACCORDING TO LETTER NO. 157-051273	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

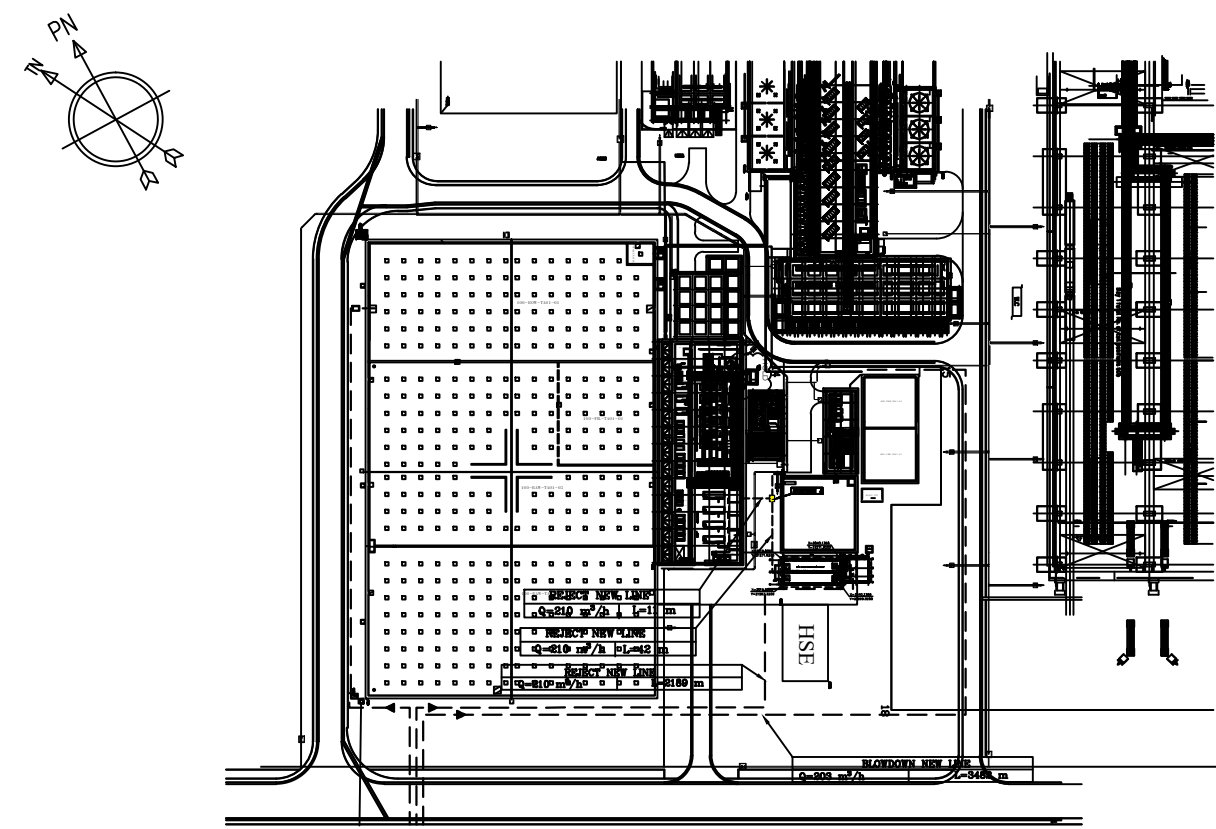
- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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for TENDER DOCUMENT

KEY PLAN



CLIENT:
شرکت توسعه آبن و فولاد گل گهر
G.I.S.D.Co.

CONSULTANT:
برسو
BARSOO
CONSULTING and PROJECT MANAGEMENT
شرکت مهندسی

CONTRACTOR:

SUBCONTRACTOR:

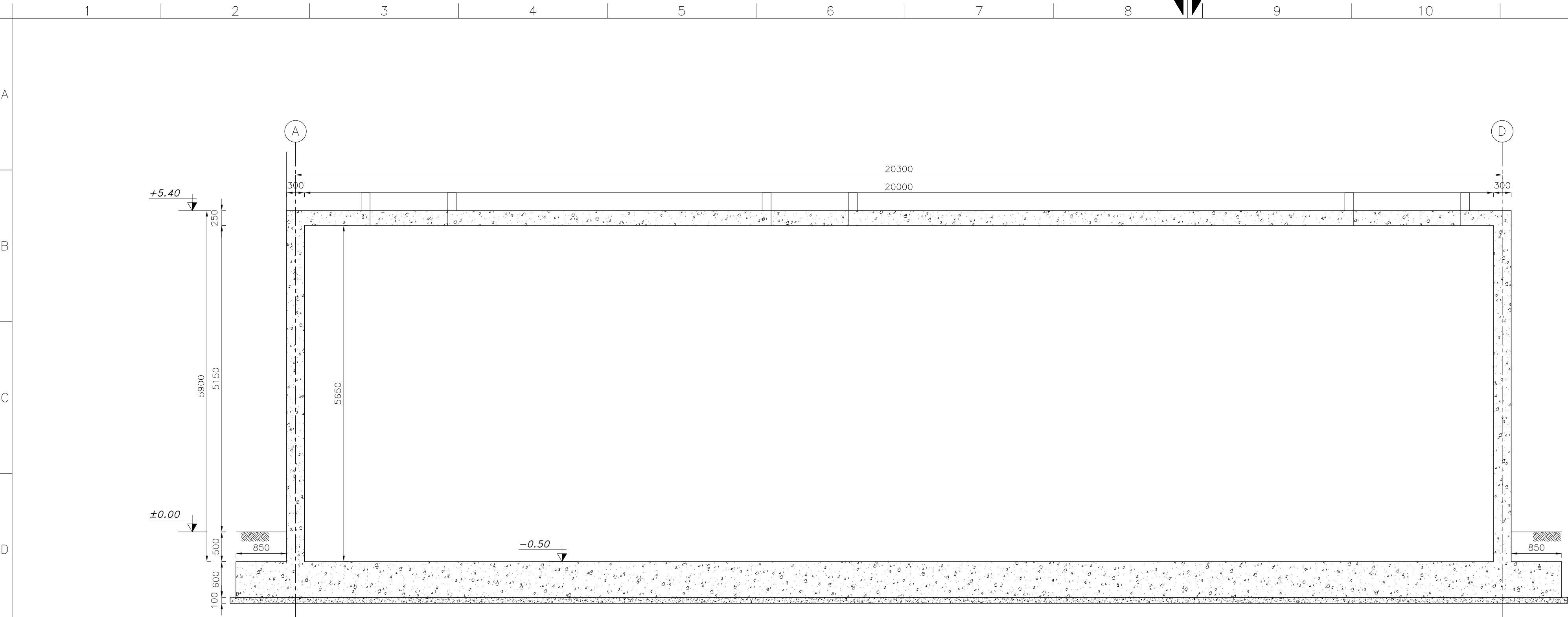
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Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030105-01
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

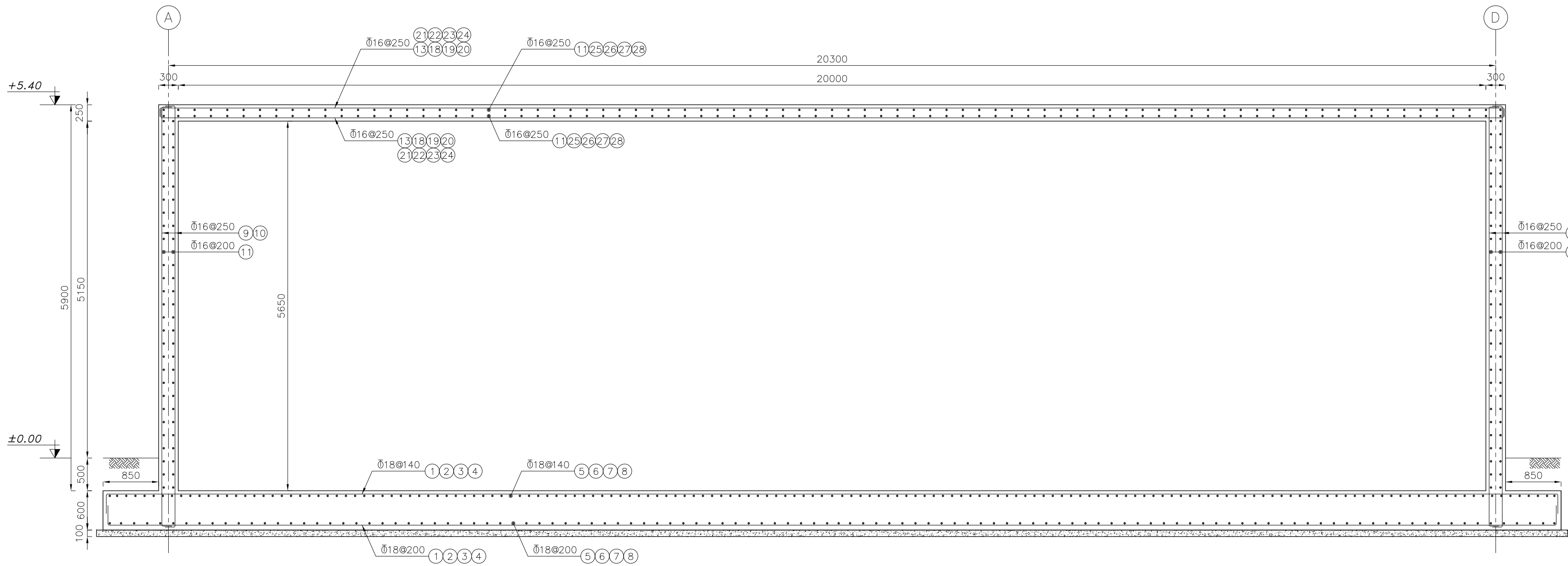
DRAWING TITLE: RAW WATER TANK PLAN

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
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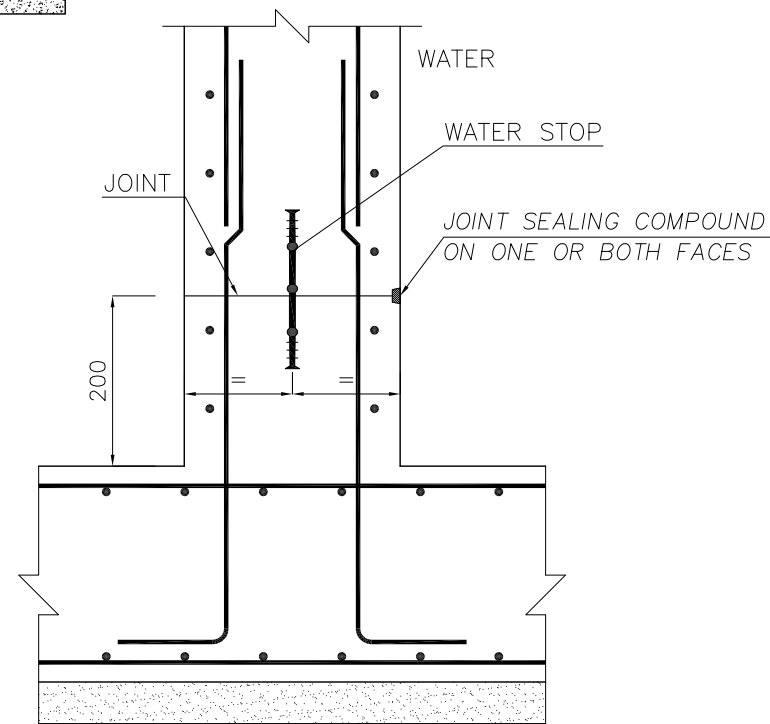
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SECTION C-C
SC. 1:50



REINFORCEMENT
SECTION C-C
SC. 1:50



CONSTRUCTION JOINT
SC. N.T.S
BETWEEN WALL & FOUNDATION

M	-	-	-	-	-
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED
	Rev.	DESCRIPTION	Prepared	Checked	Approved
					Date

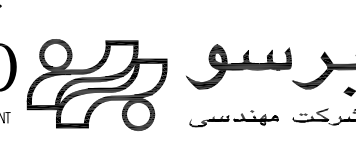
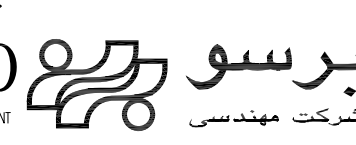
REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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for TENDER DOCUMENT

CLIENT:  **برسو** 
CONSULTANT: **برسو** 
CONSULTING and PROJECT MANAGEMENT

CONTRACTOR: SUBCONTRACTOR:

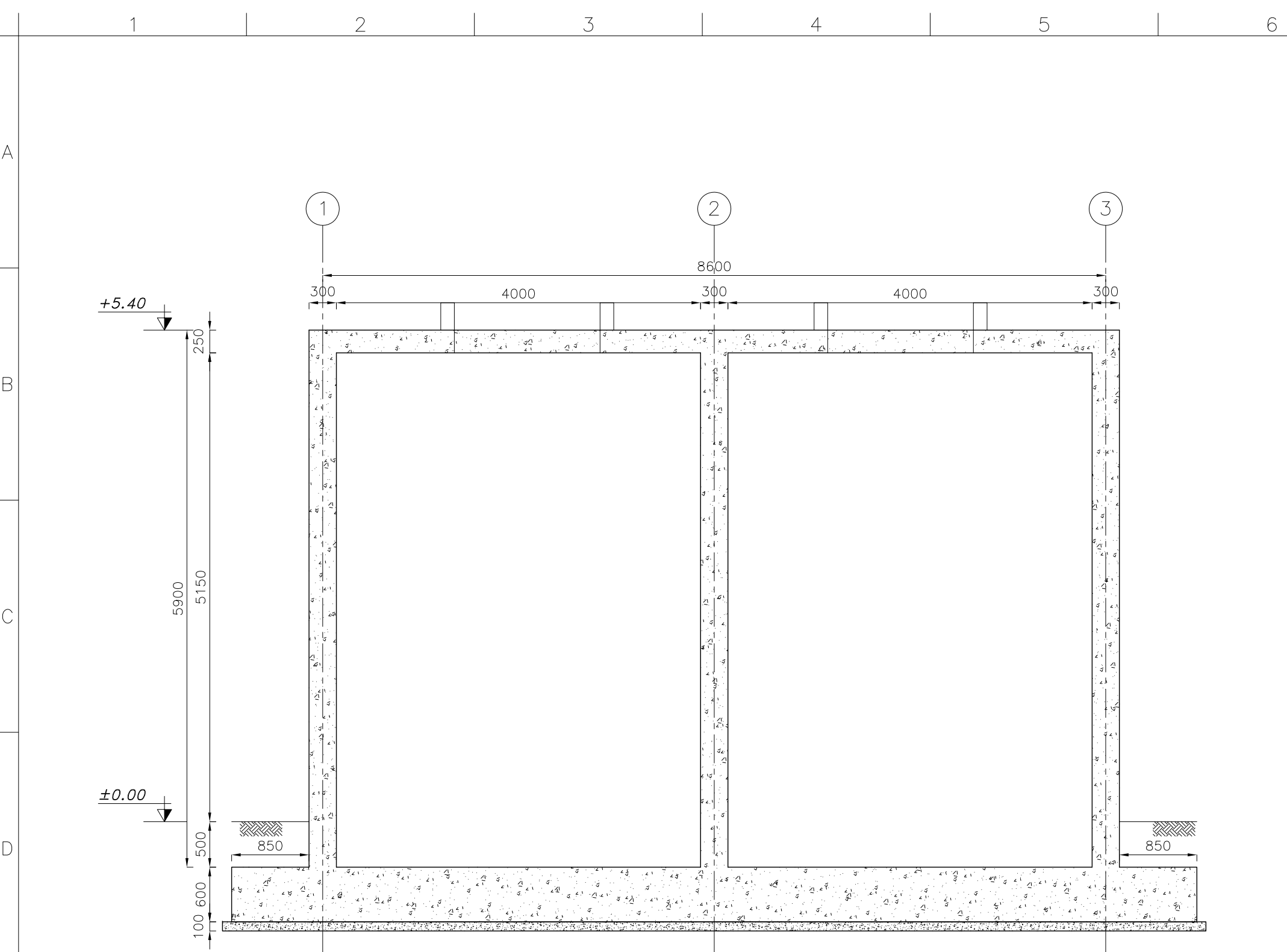
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Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-006
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030106-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

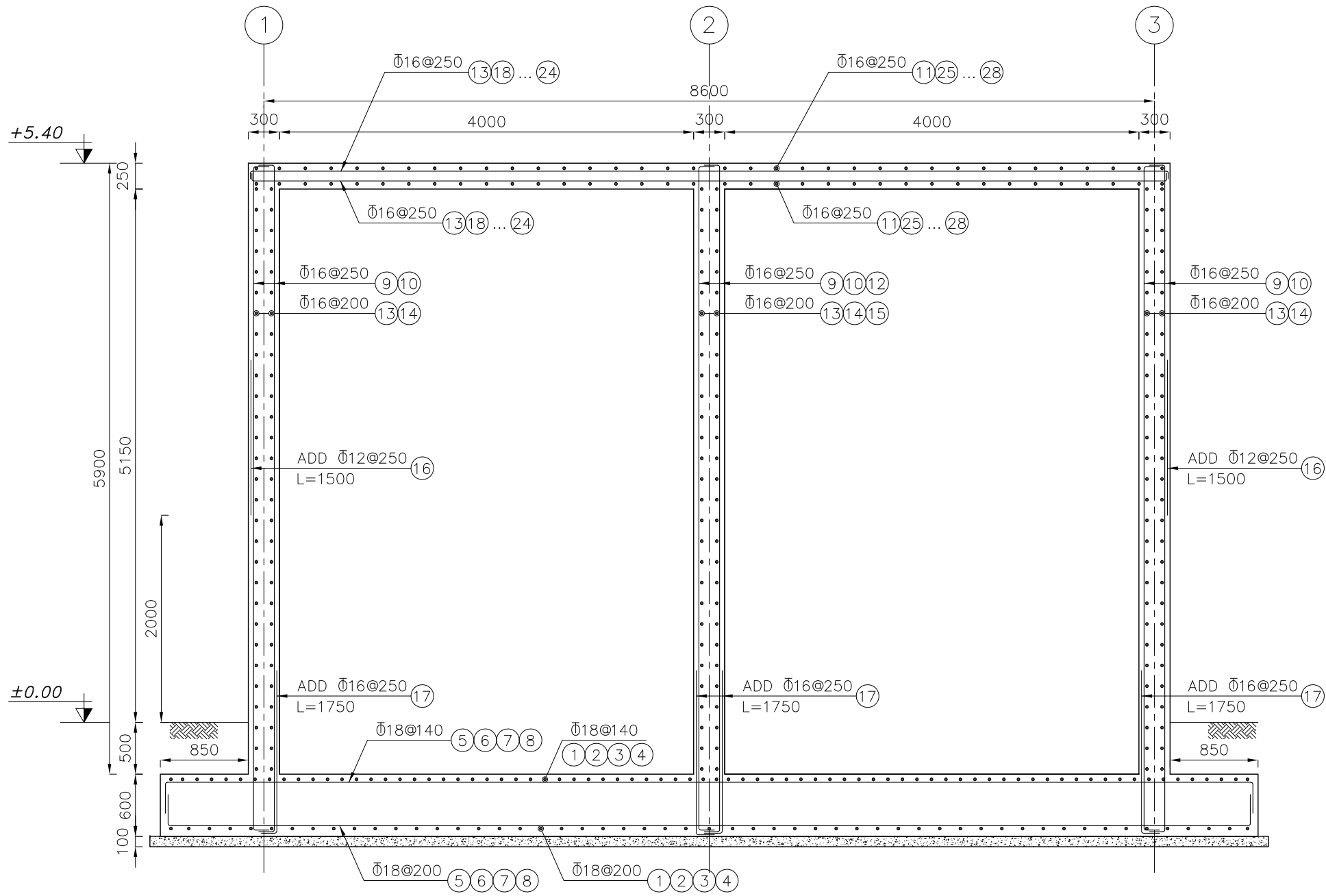
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DRAWING NO.										
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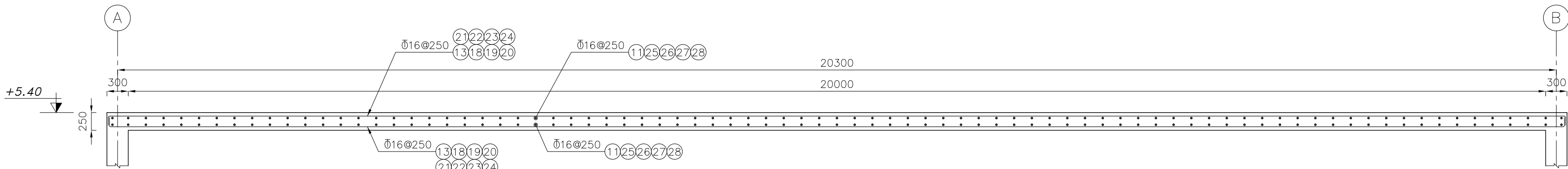
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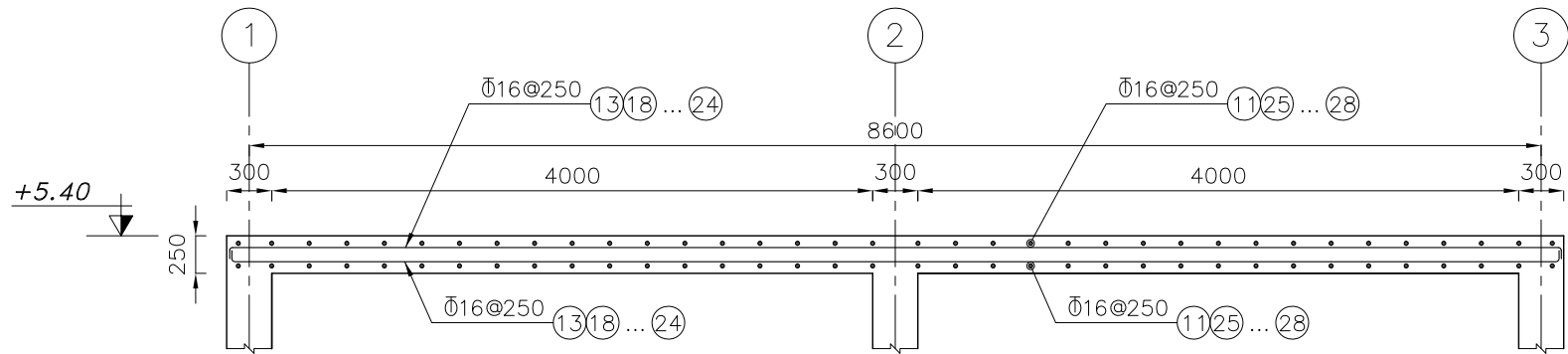
SECTION D-D
SC. 1:50



REINFORCEMENT
SECTION D-D
SC. 1:50



REINFORCEMENT
SECTION E-E
SC. 1:50



REINFORCEMENT
SECTION F-F
SC. 1:50

M	-	-	-	-	-
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED
	Rev.	DESCRIPTION	Prepared	Checked	Approved
	1				

REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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for TENDER DOCUMENT

CLIENT:  **برسو** 
CONSULTANT: **برسو** 
CONSULTING and PROJECT MANAGEMENT

CONTRACTOR: SUBCONTRACTOR:

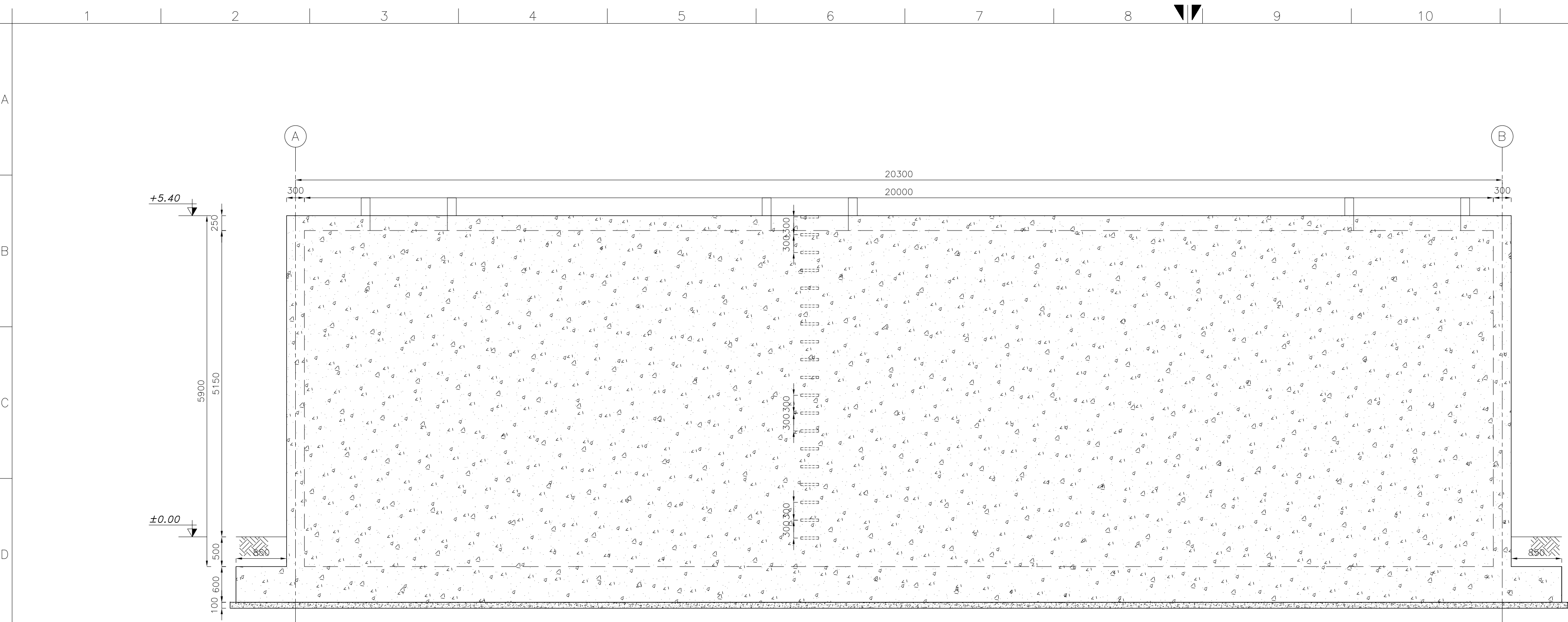
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Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030107-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

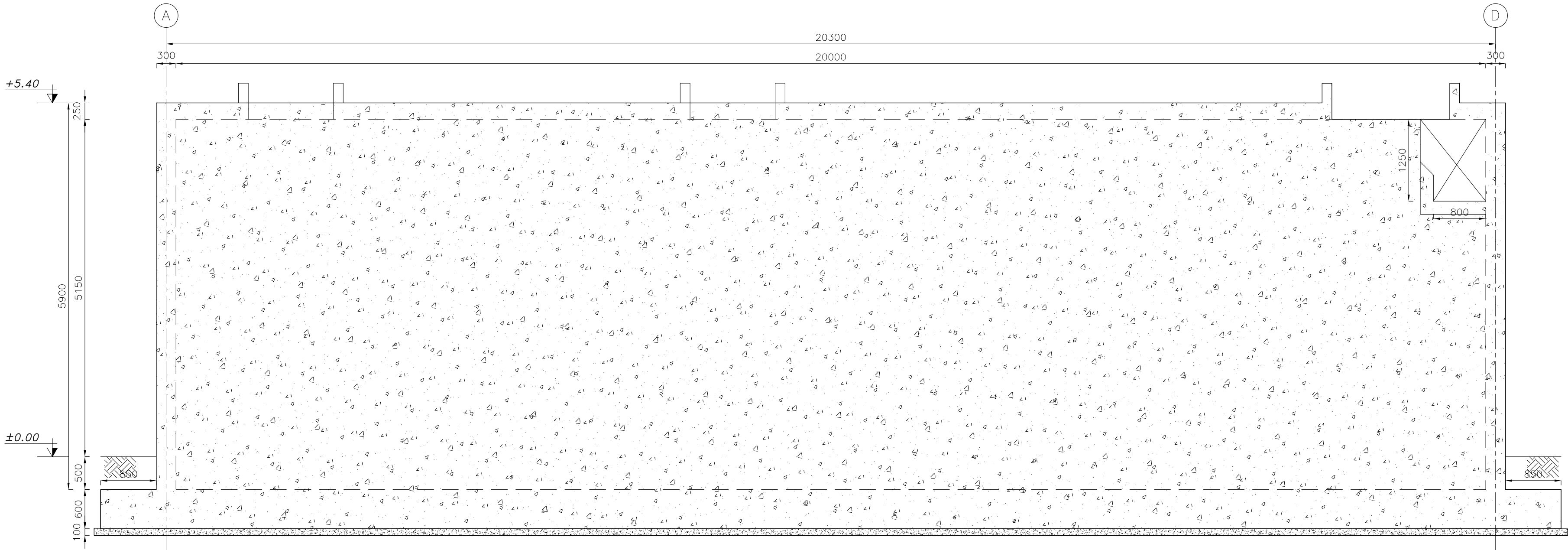
DRAWING TITLE: SECTION D-D & REINFORCEMENT SECTION

DRAWING NO.										
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S	SM01	D	BOP	WWTP	DWG	CV	007	0	A1	1/1

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WALL W1 VIEW
SC. 1:50



WALL W2 VIEW
SC. 1:50

M	-	-	-	-	-
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED
	Rev.	DESCRIPTION	Prepared	Checked	Approved

REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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- Lean concrete with specified compressive strength of $f_c = 100 \text{ kg/cm}^2$ and cement content of 150 kg/m³ shall be placed immediately after excavation to mitigate soil weathering.
- Bar overlaps, end hooks, bents and development lengths shall comply with the requirements of INBC - 9, Section 9 - 21.
- Final slopes shall be determined on -site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

CLIENT:
شرکت توسعه آبن و فولاد گل، گهر
G.I.S.D.Co.

CONSULTANT:
برسو
BARSOO
CONSULTING and PROJECT MANAGEMENT
شرکت مهندسی

CONTRACTOR:

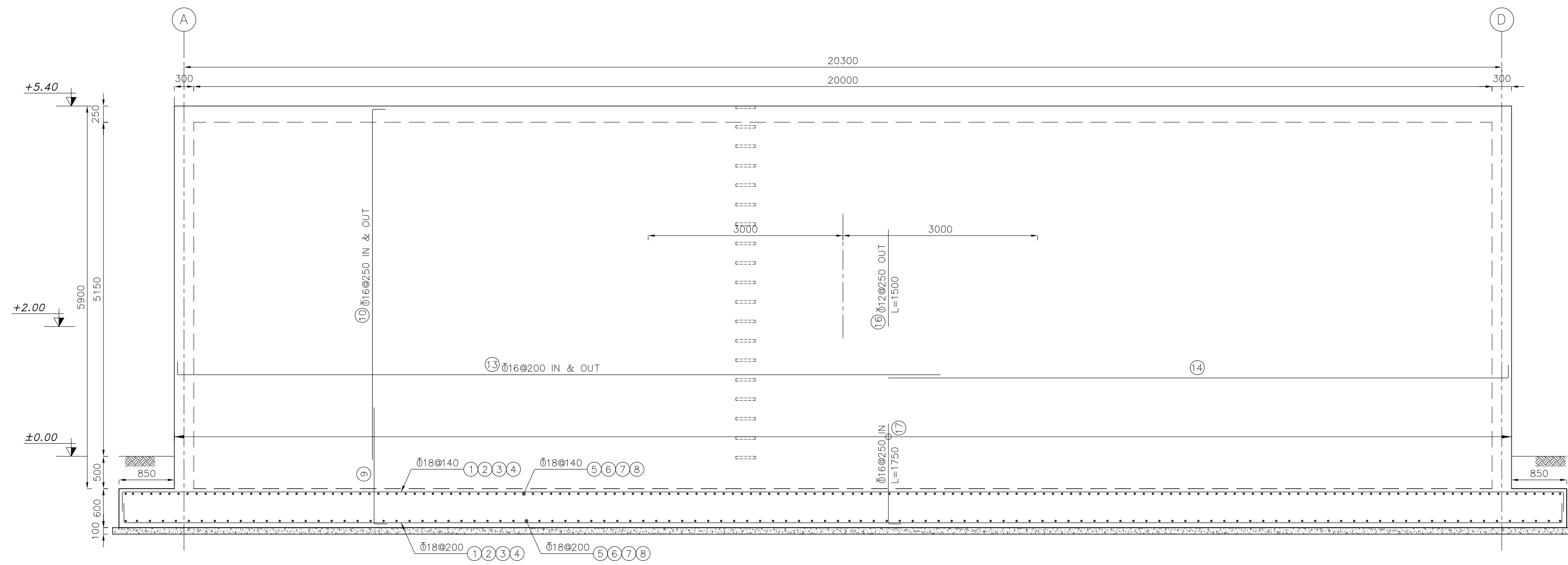
SUBCONTRACTOR:

	Name	Date:	Sign.	CLIENT DOC . NO.	
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-008	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030108-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

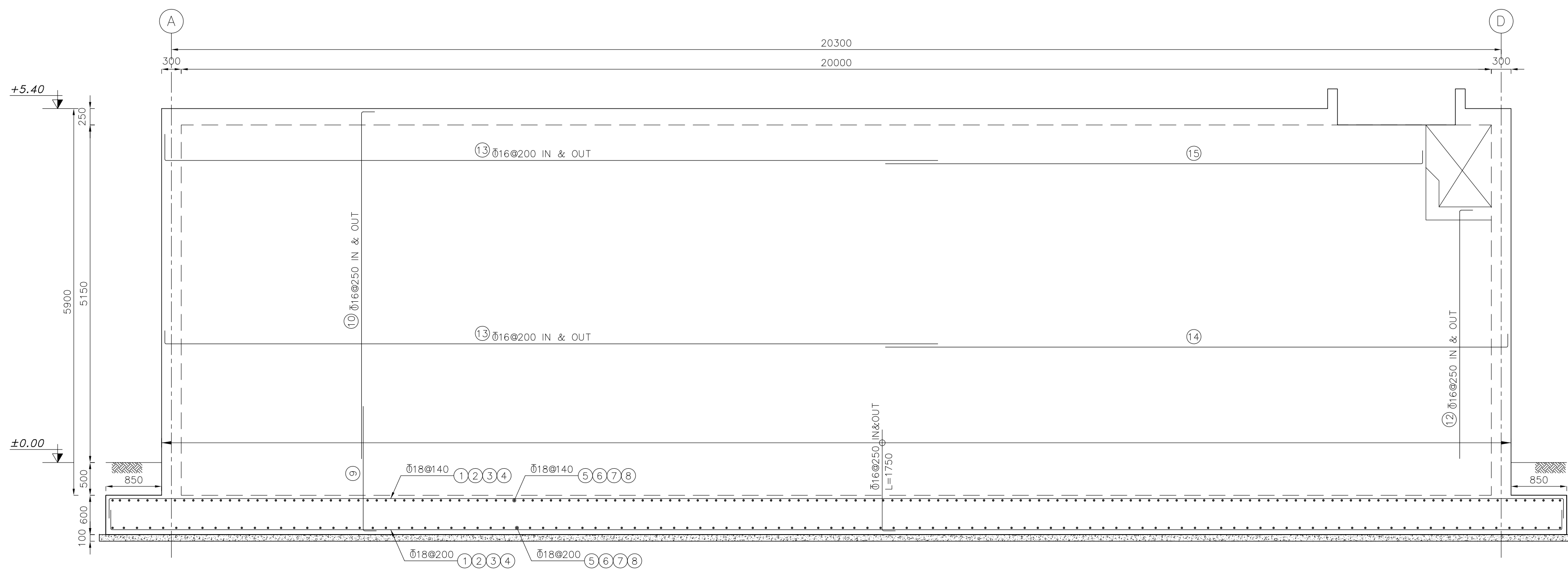
PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: WALL W1 & W2 VIEWS

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	008	0	A1	1/1

REINFORCEMENT
WALL W1

SC. 1:50



REINFORCEMENT
WALL W2

SC. 1:50

M	-	-	-	-	-	
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
	Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

1. All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
2. Reinforced concrete shall achieve the specified compressive strength of $f'_c = 3000 \text{ kg/cm}^2$ on cylinder samples with dimensions of 150 mm diameter $\times$ 300 mm height, unless otherwise noted. The maximum water - to - cement ratio (W/C) shall not exceed 0.40.
3. Portland cement, Type II, shall be used for all concrete works, with a minimum cement content of 350 kg/m³.
4. Reinforcement bars shall have a yield strength of 4000 kg/cm², conforming to Type AIII specifications.
5. Lean concrete with specified compressive strength of $f'_c = 100 \text{ kg/cm}^2$ and cement content of 150 kg/m³ shall be placed immediately after excavation to mitigate soil weathering.
6. Bar overlaps, end hooks, bends and development lengths shall comply with the requirements of INBC - 9, Section 9 - 21.
7. Final slopes shall be determined on-site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

CLIENT:



CONSULTANT:

BARSOO  **برسو**
CONSULTING and PROJECT MANAGEMENT **شرکت مهندسی**

CONTRACTOR:

SUBCONTRACTOR:

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Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-009	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030109-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

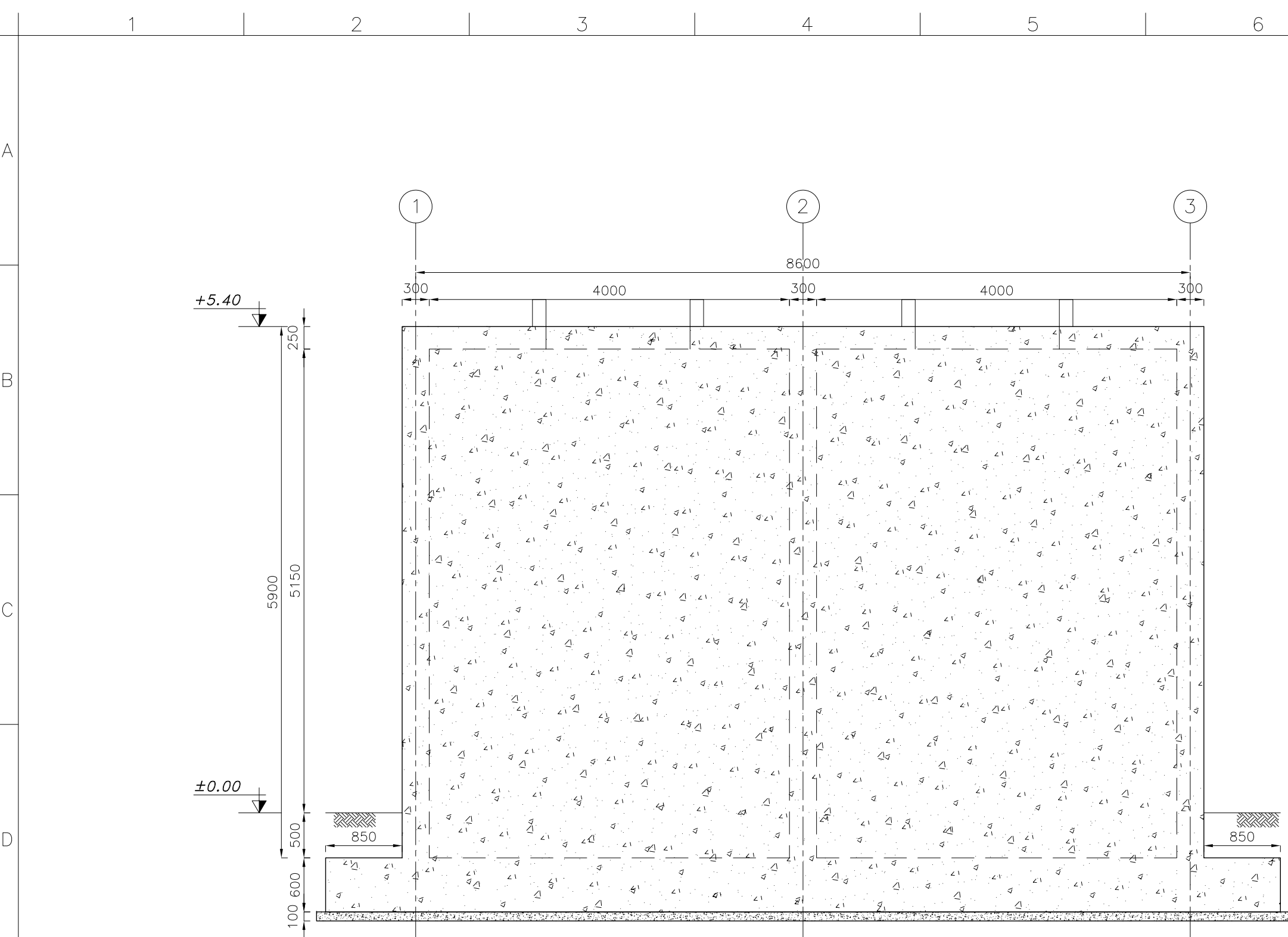
DRAWING TITLE: REINFORCEMENT WALL W1 & W2

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	009	0	A1	1/1

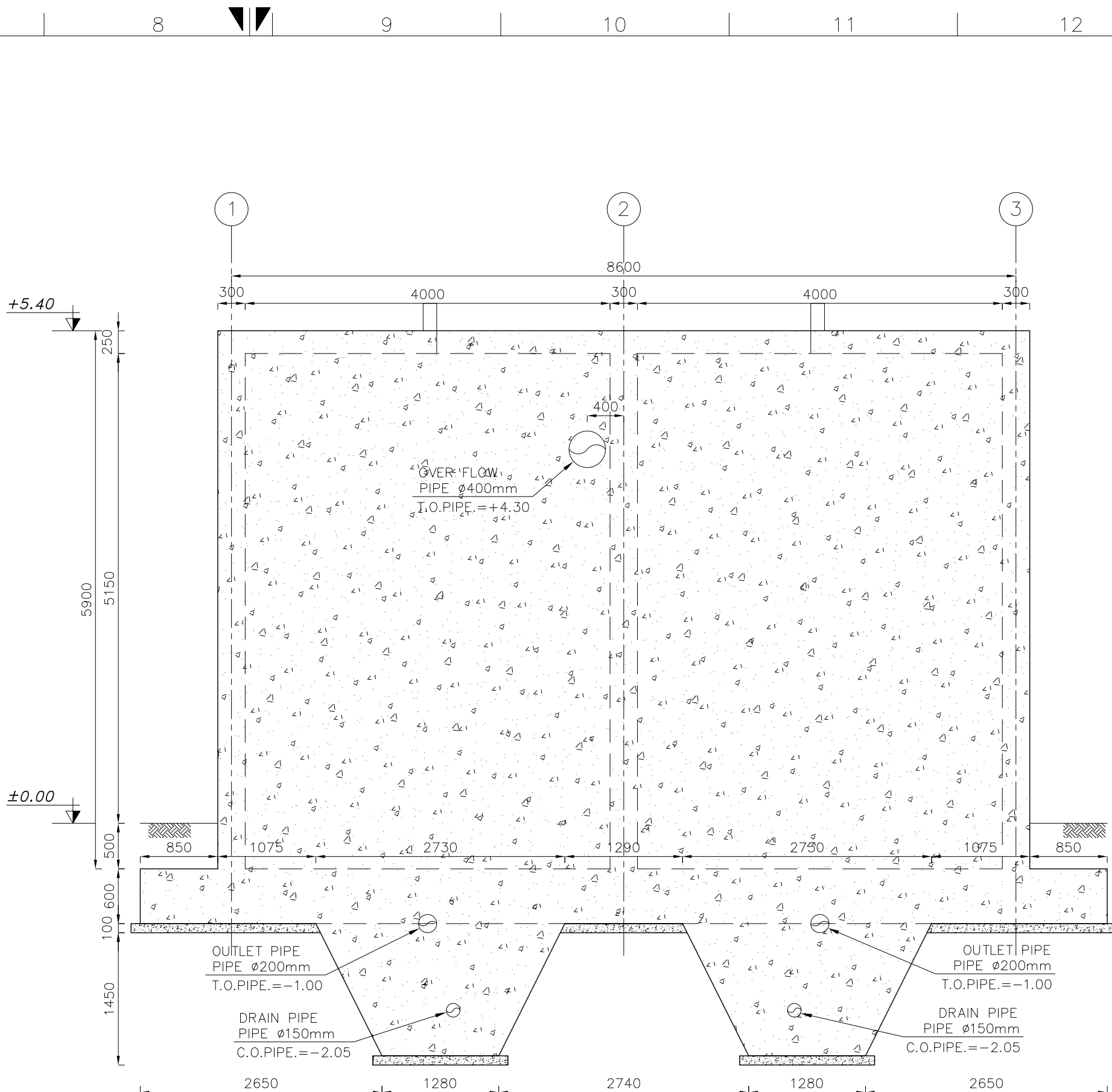
File name:157DCGU1030109-00.DWG

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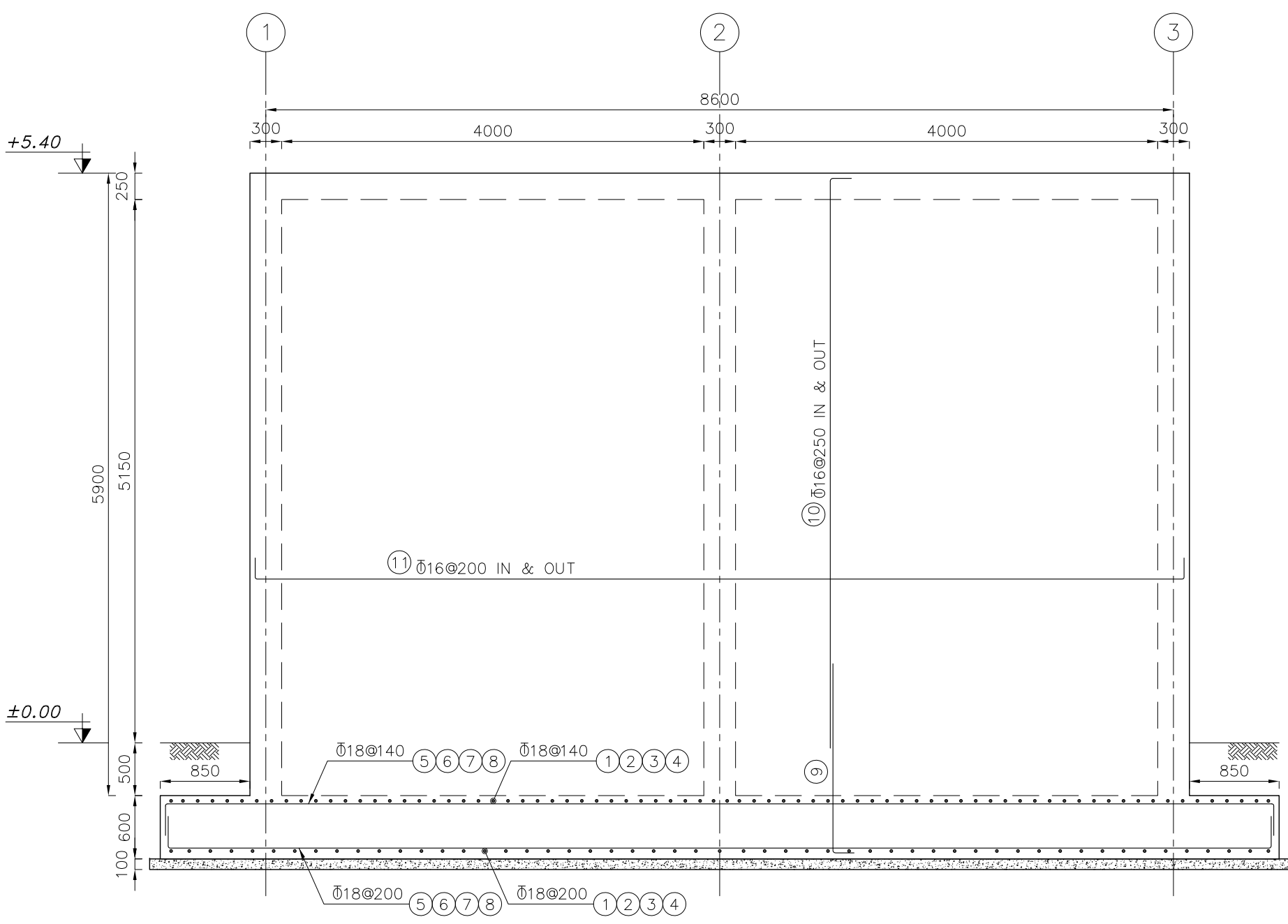
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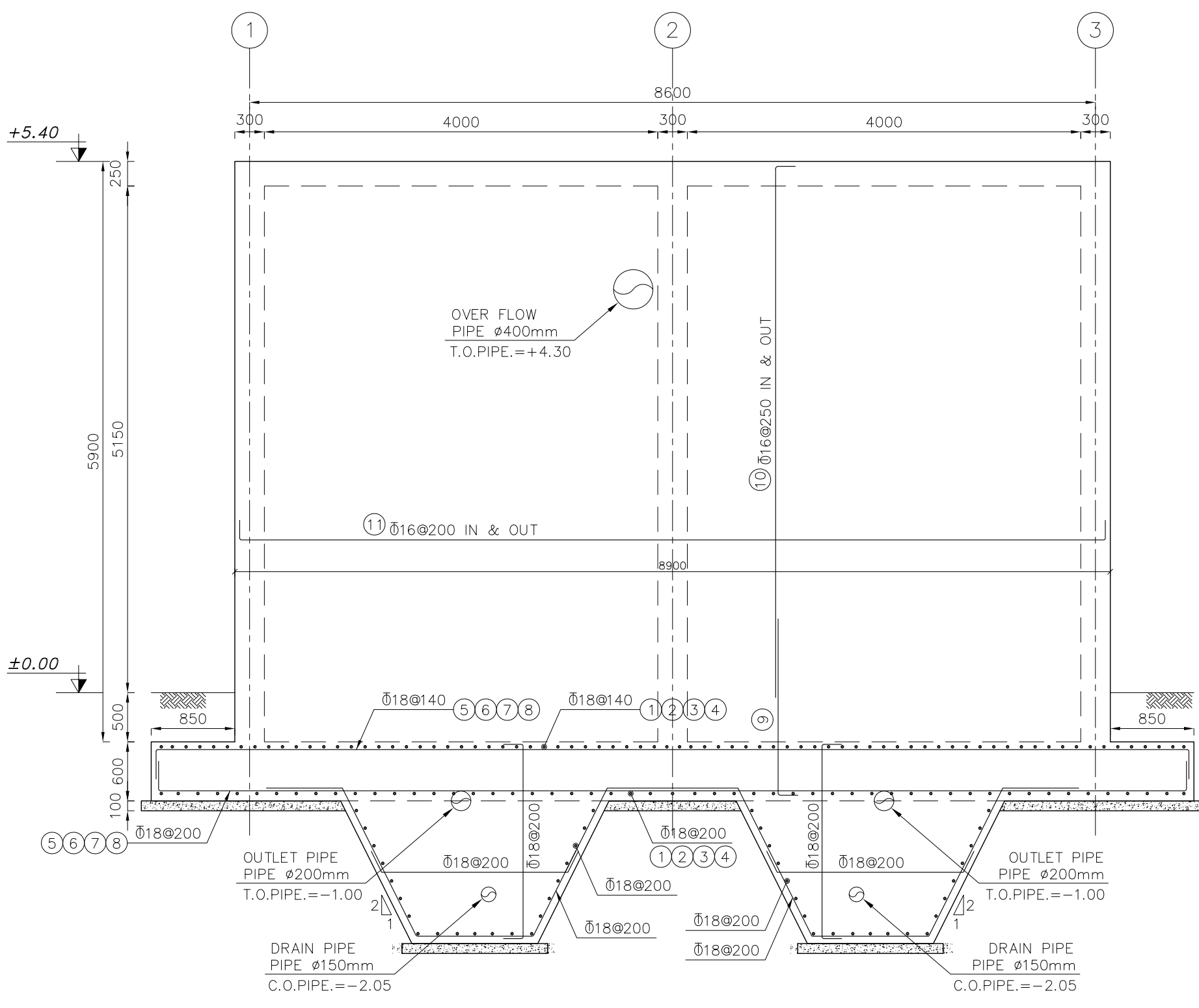
WALL W3 VIEW
SC. 1:50



WALL W4 VIEW
SC. 1:50



REINFORCEMENT WALL W3
SC. 1:50



REINFORCEMENT WALL W4
SC. 1:50

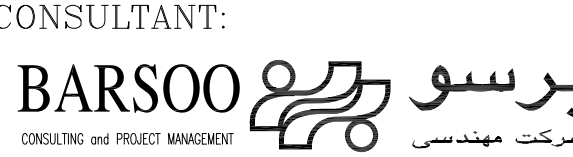
REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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for TENDER DOCUMENT

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CONTRACTOR: SUBCONTRACTOR:

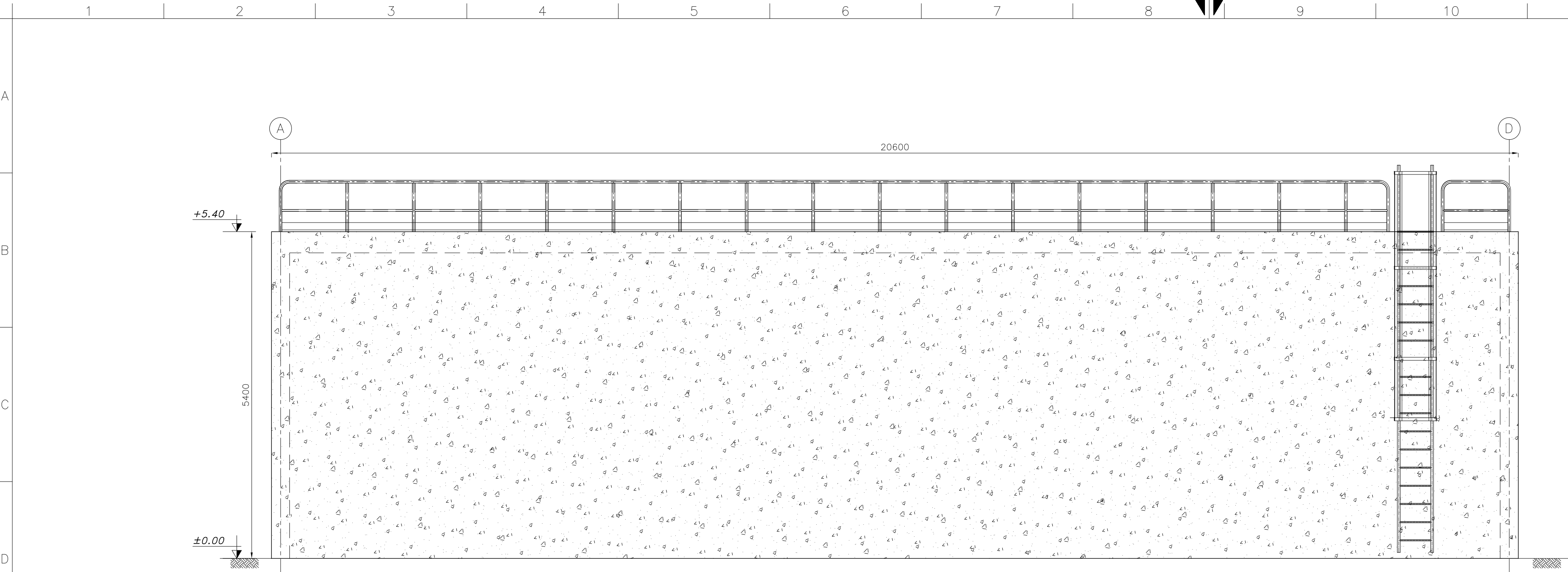
	Name	Date:	Sign.	CLIENT DOC . NO.
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-010
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU10301110-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: WALL W3 & W4 VIEWS & REINFORCEMENT WALLS

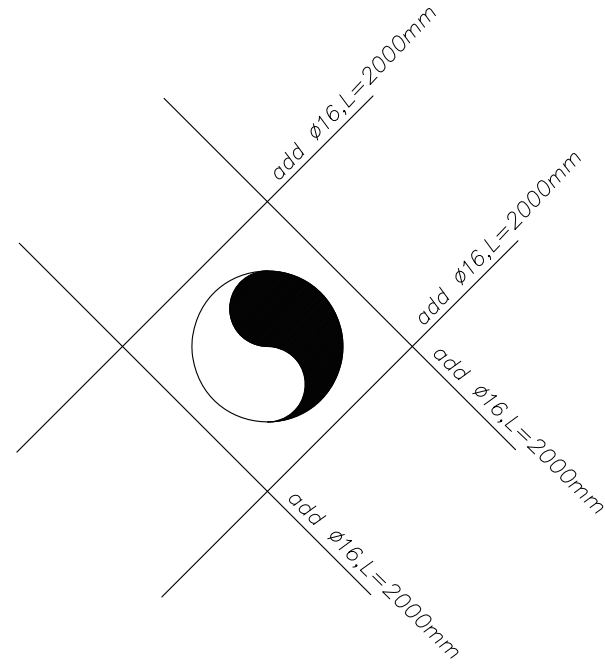
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S	SM01	D	BOP	WWTP	DWG	CV	010	0	A1	1/1

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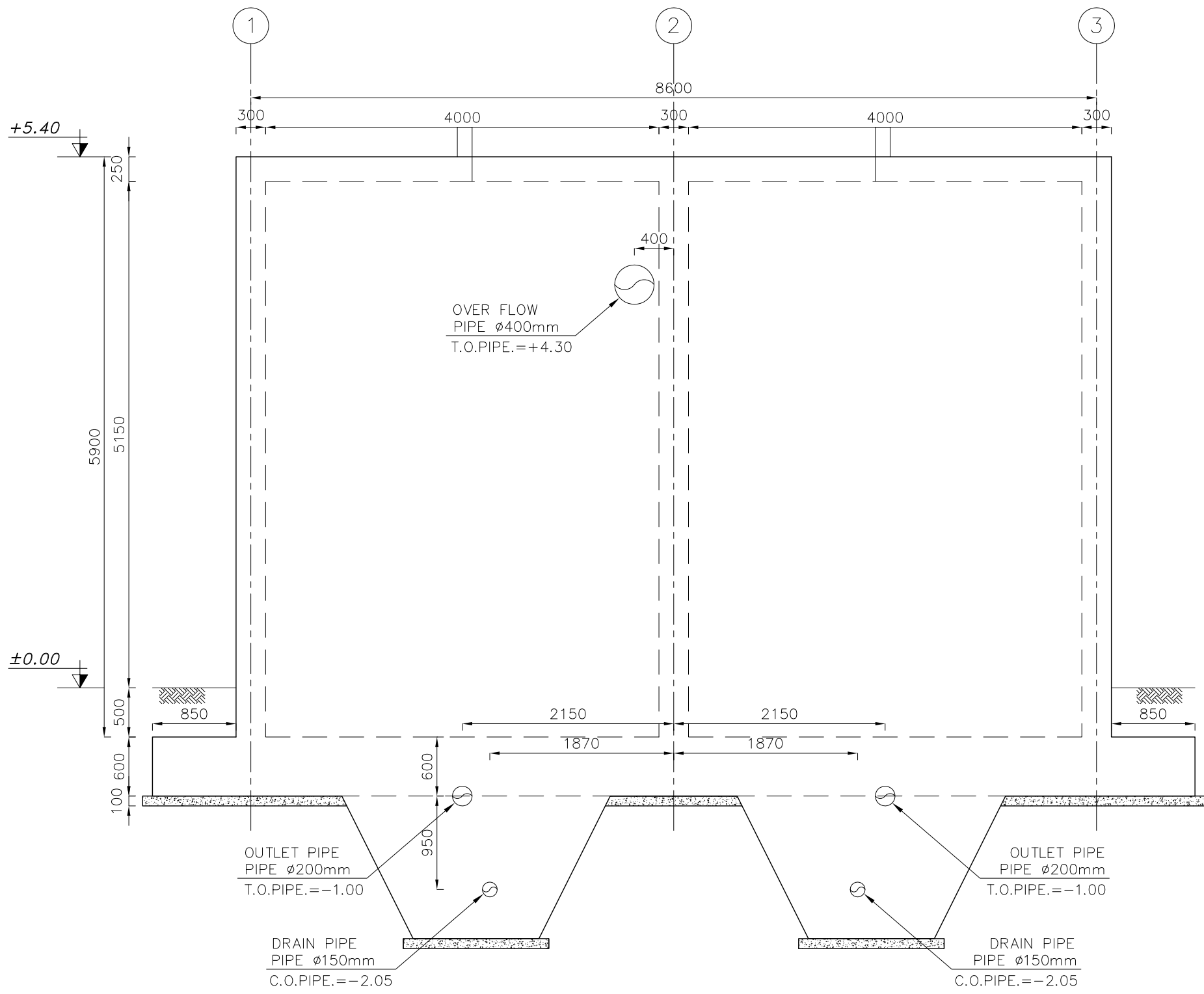
VIEW A

SC. 1:50



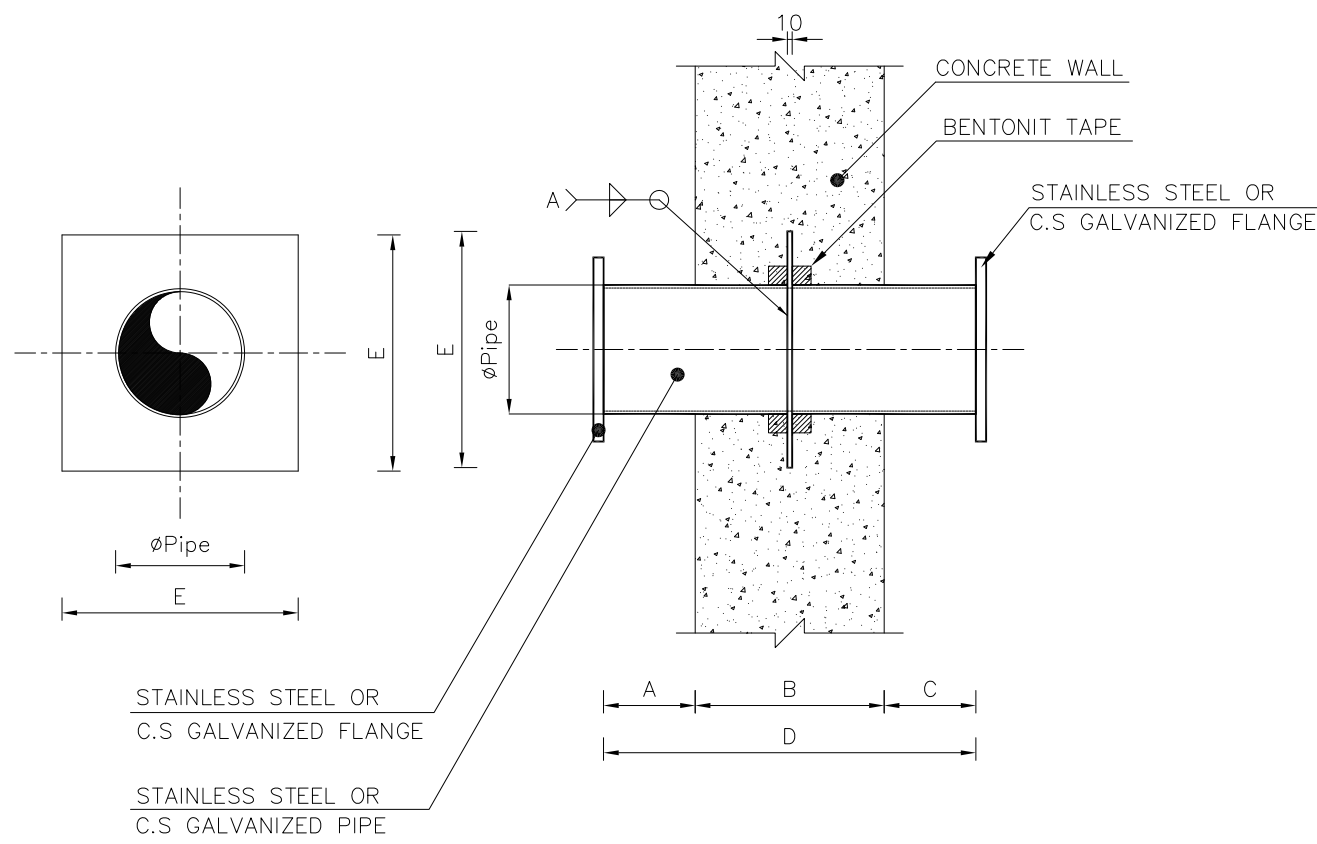
EXTRA REINFORCEMENT AT PIPE LOCATIONS

SC.1:20



VIEW B

SC. 1:50



ITEM	DN	ØExt. Thk. mm	DIMENSION mm					PLATE MATERIAL	PIPE MATERIAL	Q.ty	NOTE
			A	B	C	D	E**				
N1	150	168.3x7.11	-	-	-	4000	300	St 37.0	STAINLESS PIPES EN ISO1127/OR GALVANIZED	2	Drain
N2	200	221.3x9.53	150	400	150	700	500	St 37.0	STAINLESS PIPES EN ISO1127	2	OUTLET
N3	400		-	500	200	700	600	St 37.0	STAINLESS PIPES EN ISO1127/OR GALVANIZED	1	OVER FLOW
N4	100	114.3x6.02	-	250	1000	1250	300	St 37.0	St 37-2	7	VENT

DETAIL F

SC.1:5

-	-	-	-	-	-
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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CLIENT:

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CONSULTANT:

برسو
BARSOO
CONSULTING and PROJECT MANAGEMENT
شرکت مهندسی

CONTRACTOR:

SUBCONTRACTOR:

	Name	Date:	Sign.	CLIENT DOC . NO.
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-011
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030111-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

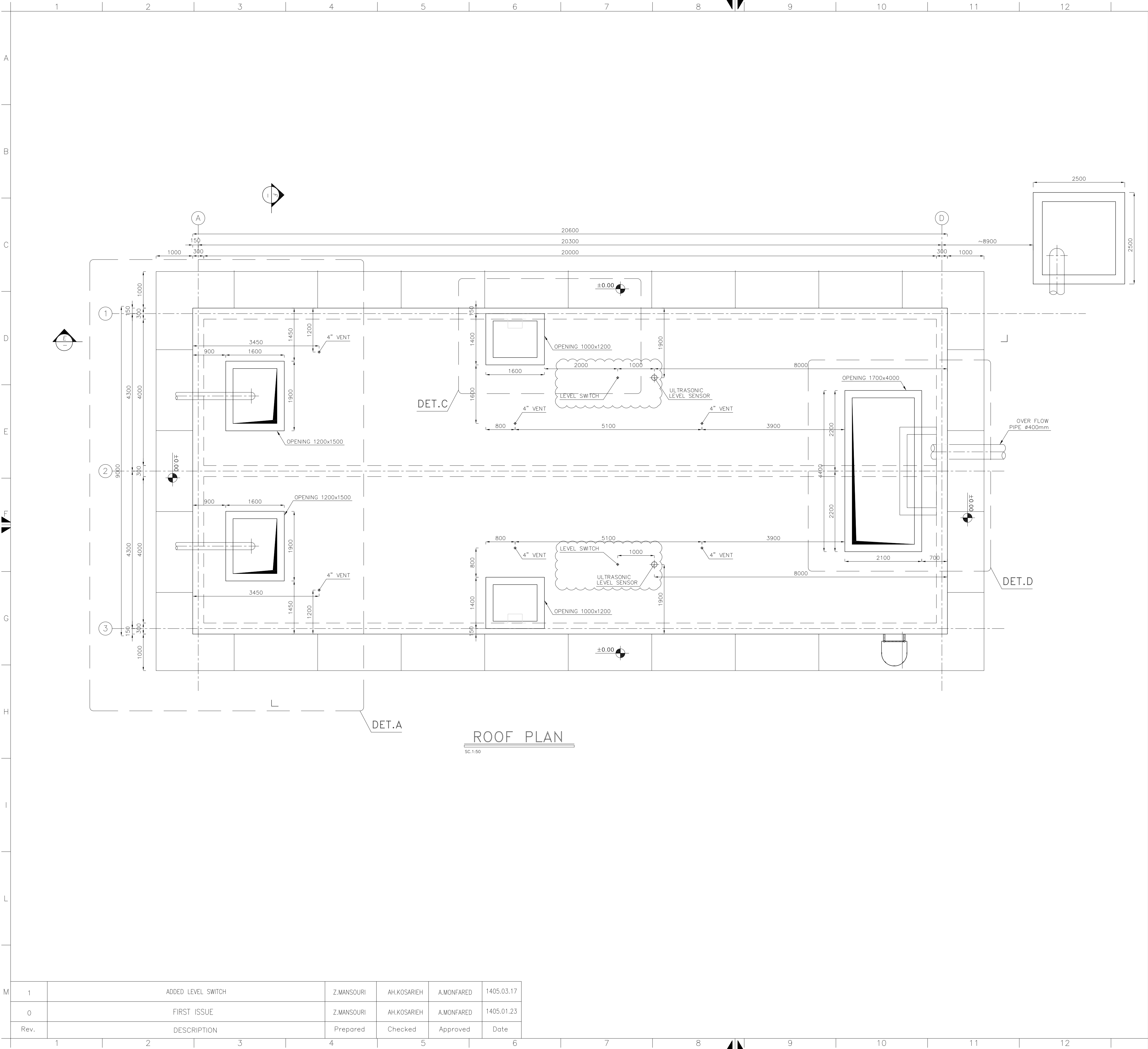
PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: VIEW "A" & "B" & DETAILS

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	011	0	A1	1/1

File name:157DCGU1030111-00.DWG

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REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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CONTRACTOR:

SUBCONTRACTOR:

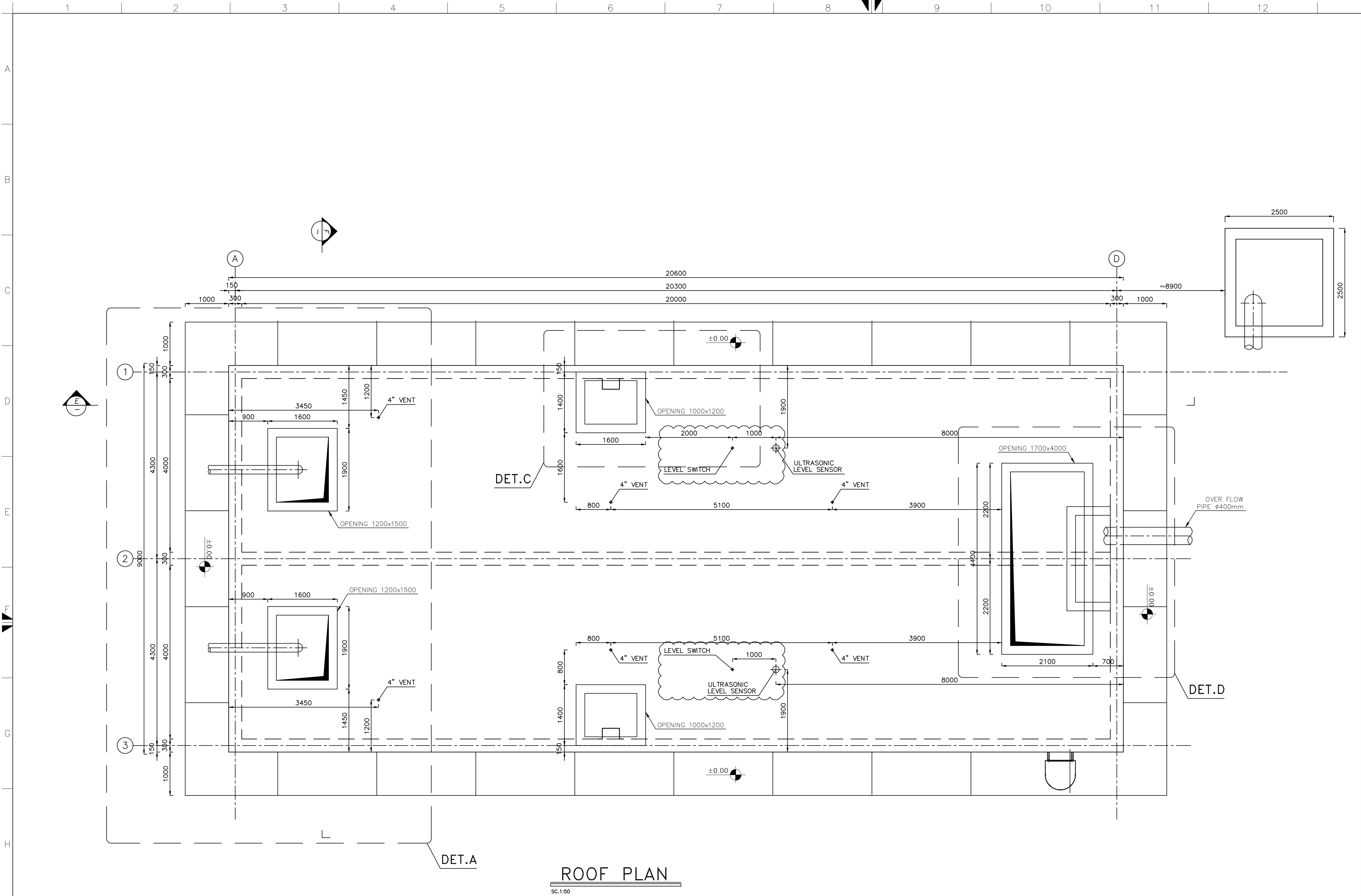
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Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-012	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030112-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: ROOF PLAN

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	012	0	A1	1/1

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1	ADDED LEVEL SWITCH	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCES

— RAW WATER TANK BASIC DRAWING DWG: S–SM01–D–BOP–WWTP–DWG–UT–001–00

NOTE

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
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for TENDER DOCUMENT



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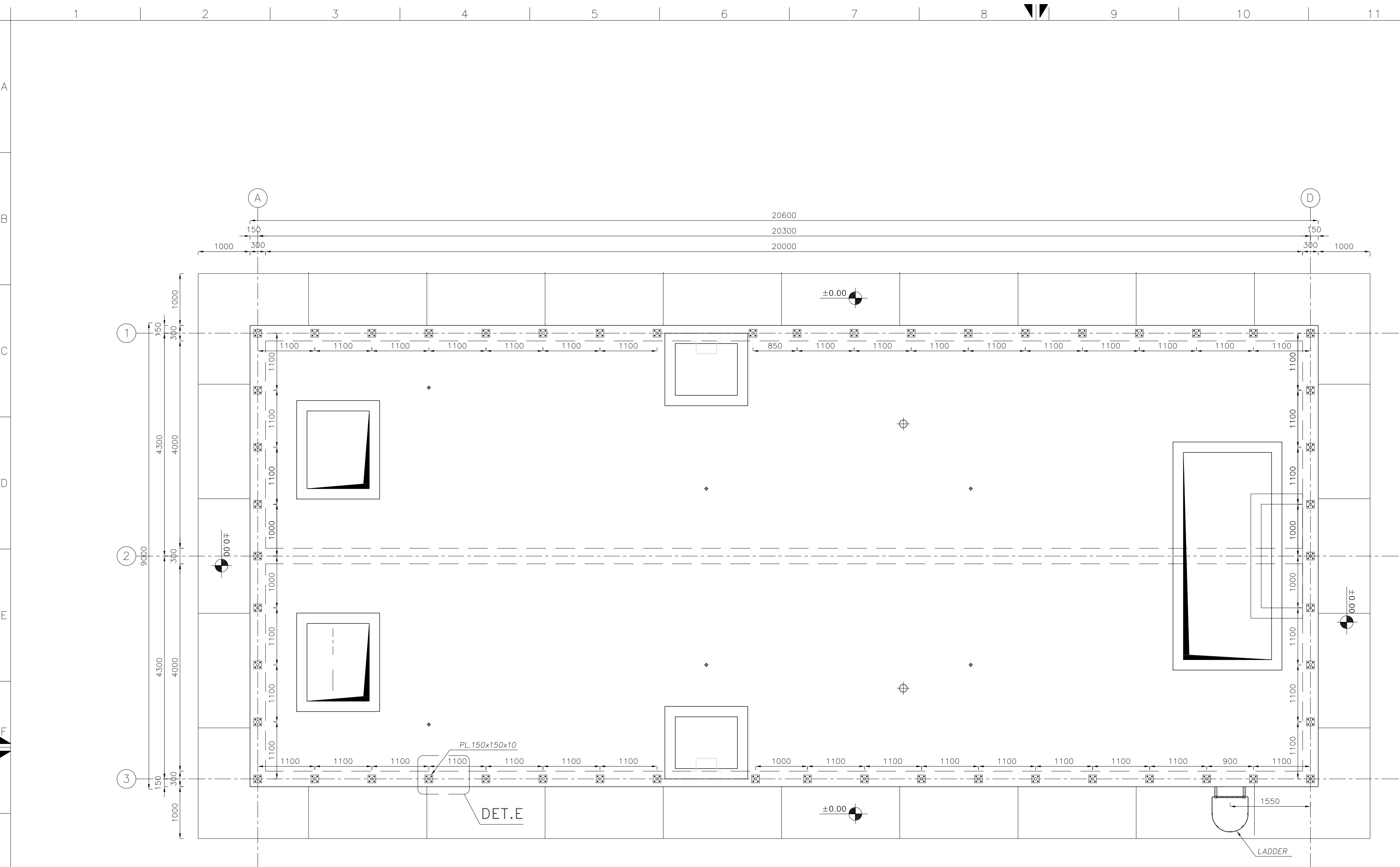
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Approved	A.MONFARED	1405.01.23	--	S–SM01–D–BOP–WWTP–DWG–CV–012
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030112–01
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: ROOF PLAN

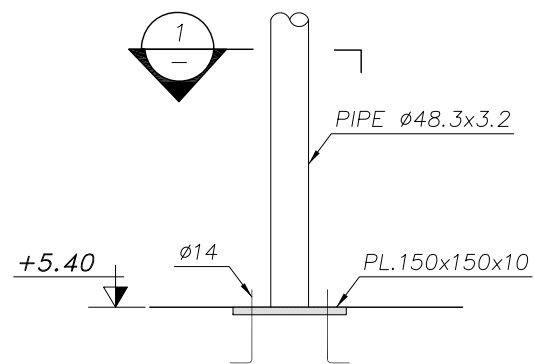
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S	SM01	D	BOP	WWTP	DWG	CV	012	01	A1	1/1

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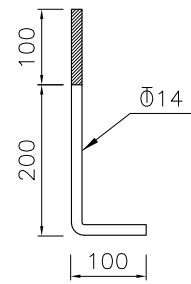
HANDRAIL PLAN

SC.1:50



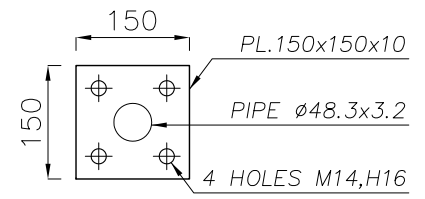
DETAIL E

SC. 1:10



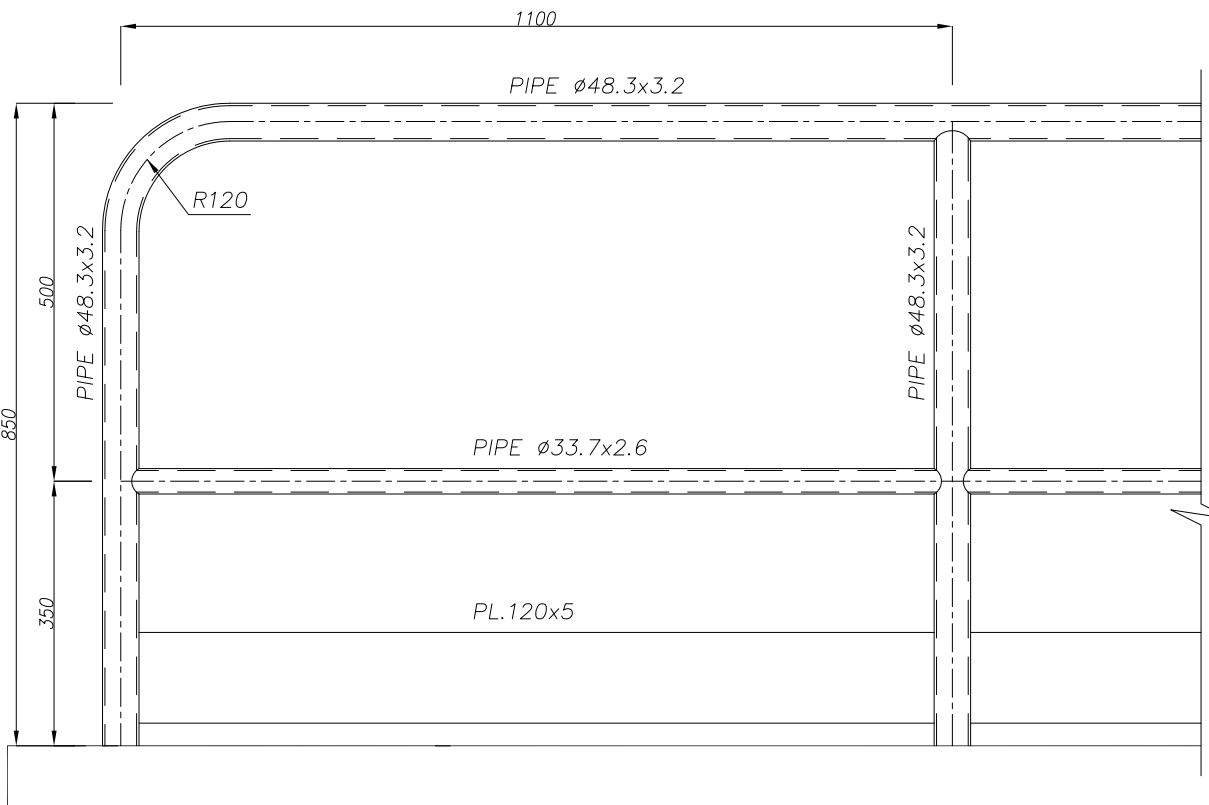
BOLT DETAIL

SC.1:10



SECTION 1-1

SC. 1:10



DETAIL OF HANDRAIL

SC. 1:10

M	-	-	-	-	-	
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23
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REFERENCES

- RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

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CONSULTANT:

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شرکت مهندسی

CONTRACTOR:

SUBCONTRACTOR:

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Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-014	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030114-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

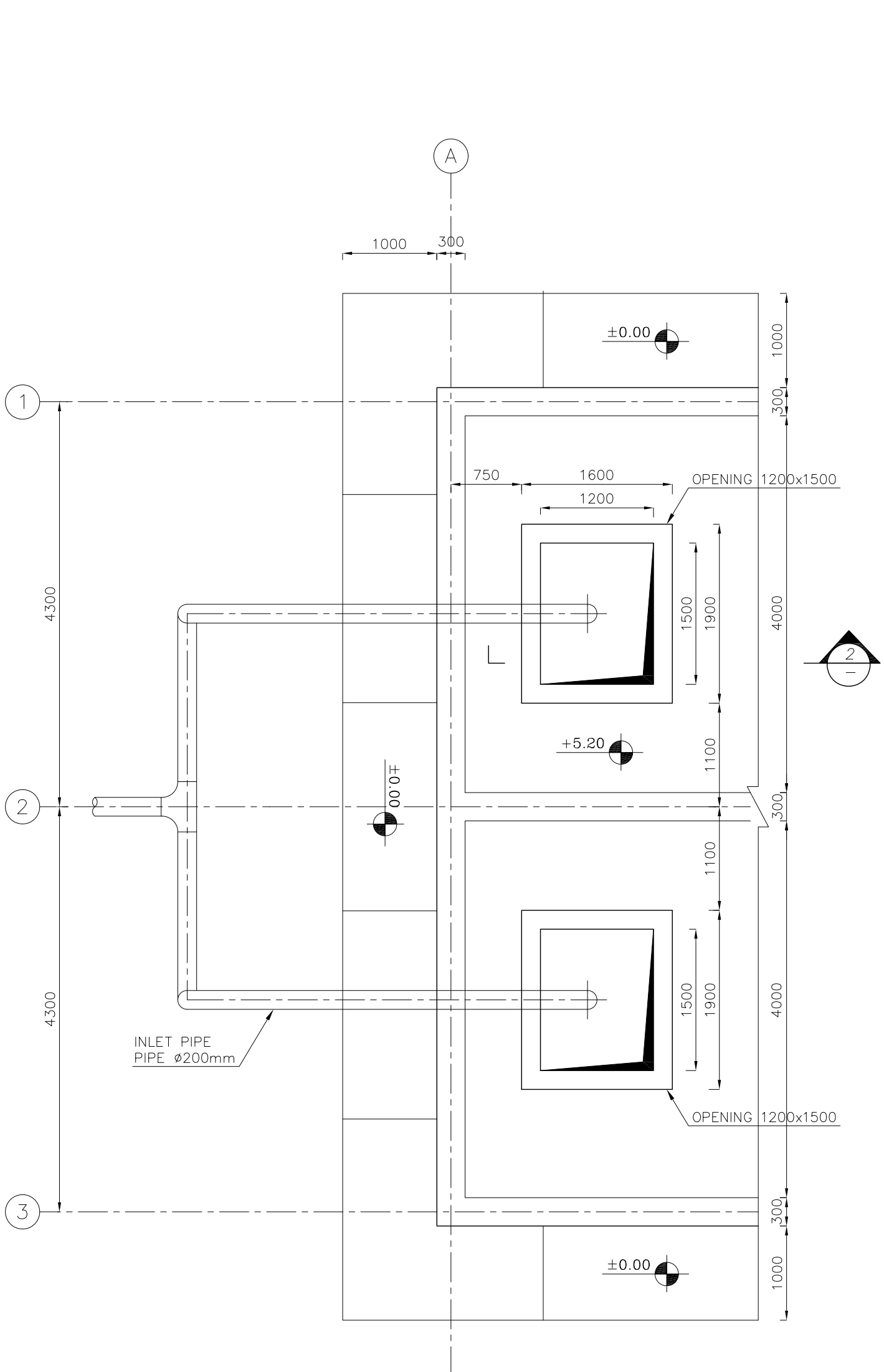
PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: HANDRAIL PLAN & DETAILS

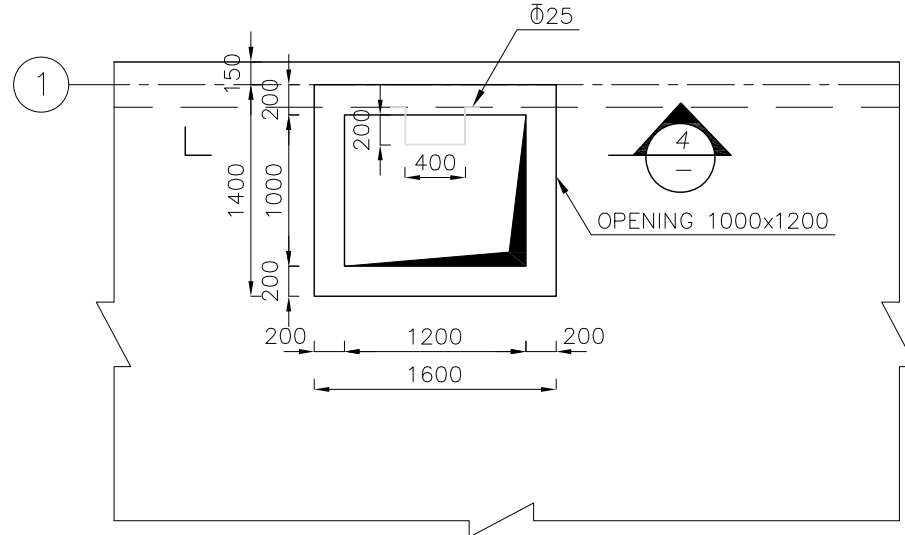
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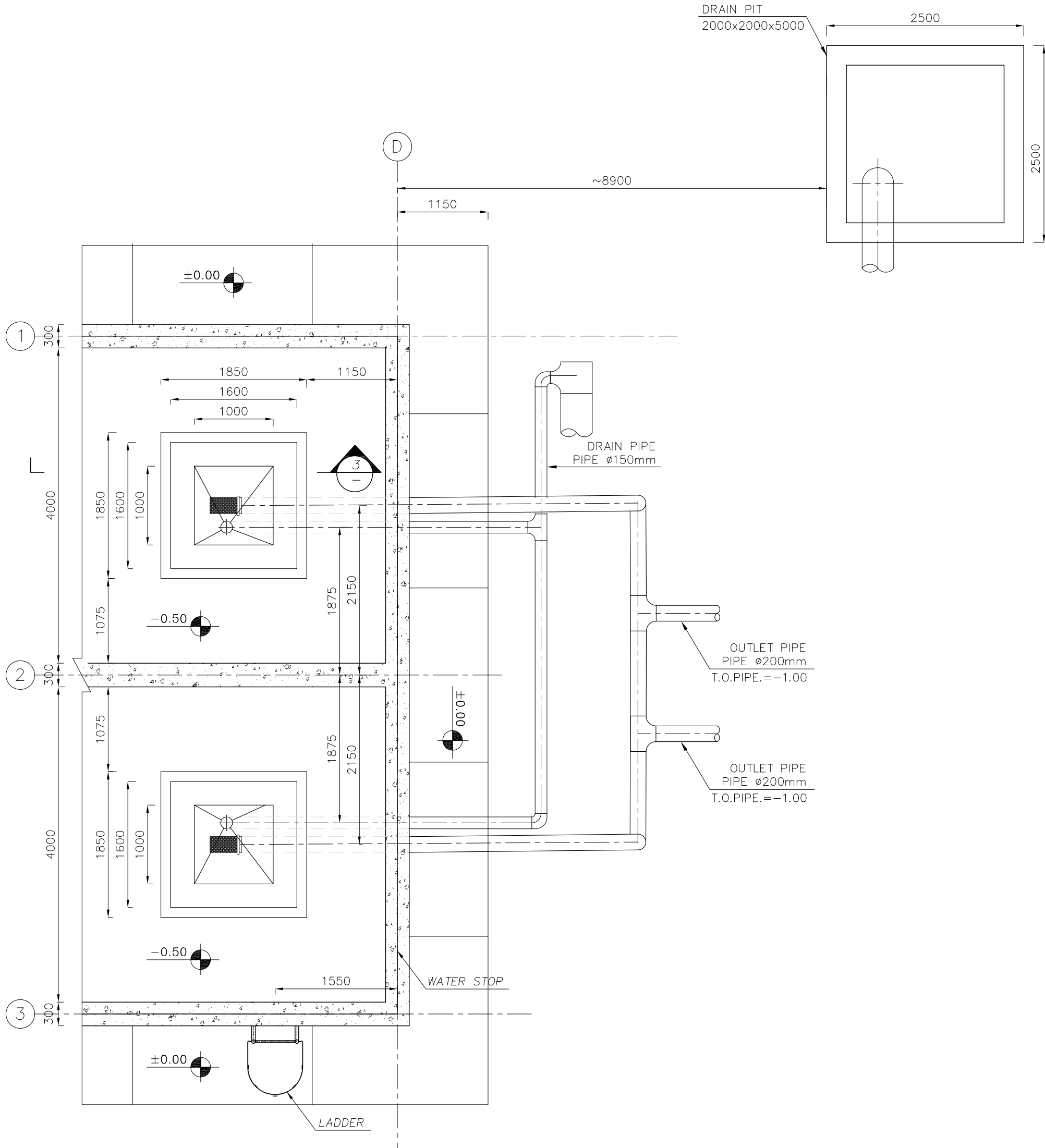
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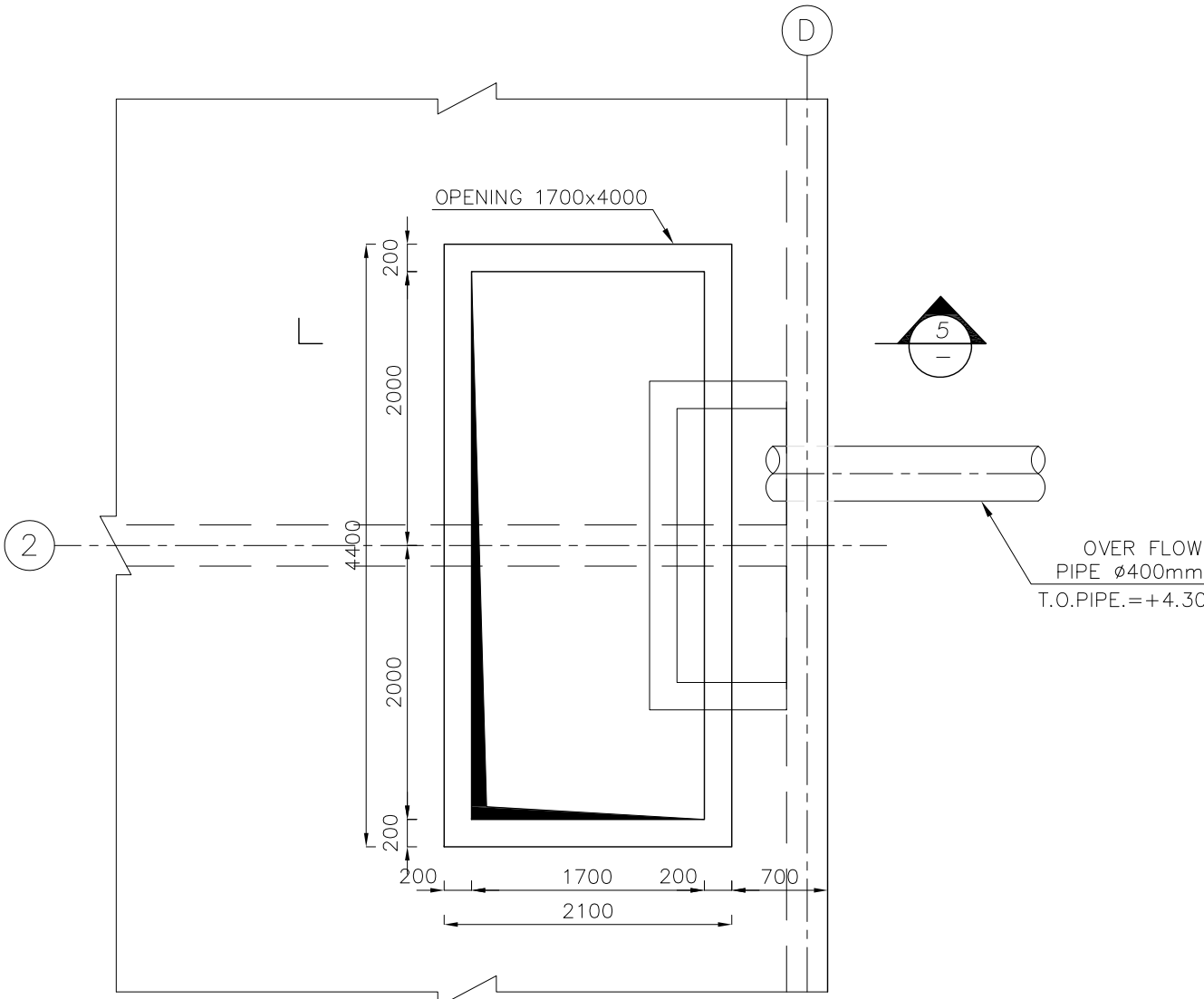
DETAIL A
SC. 50:50



DETAIL C
SC. 1:50



DETAIL B
SC. 1:50



DETAIL D
SC. 1:50

REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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CONSULTANT:

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CONSULTING and PROJECT MANAGEMENT
شرکت مهندسی

CONTRACTOR:

SUBCONTRACTOR:

	Name	Date:	Sign.	CLIENT DOC . NO.
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-015
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030115-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

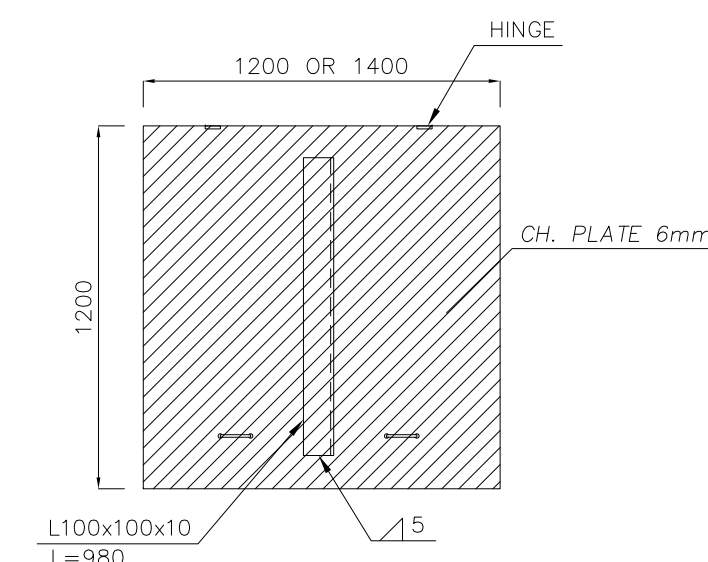
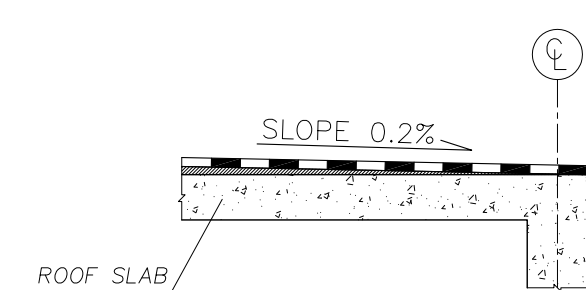
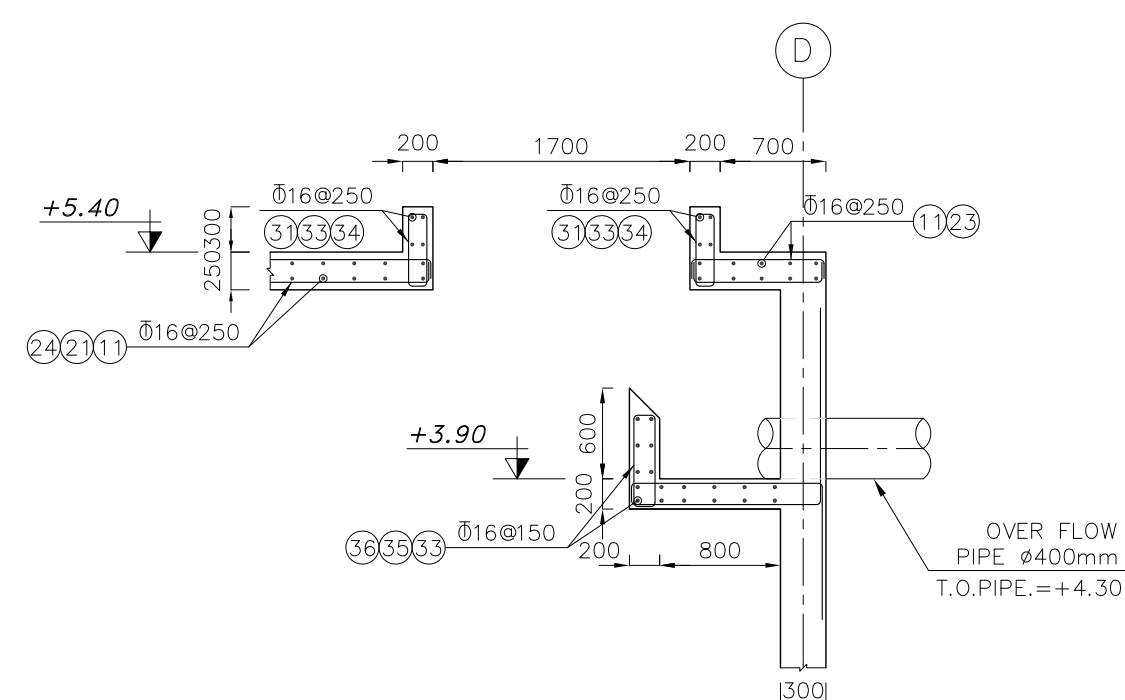
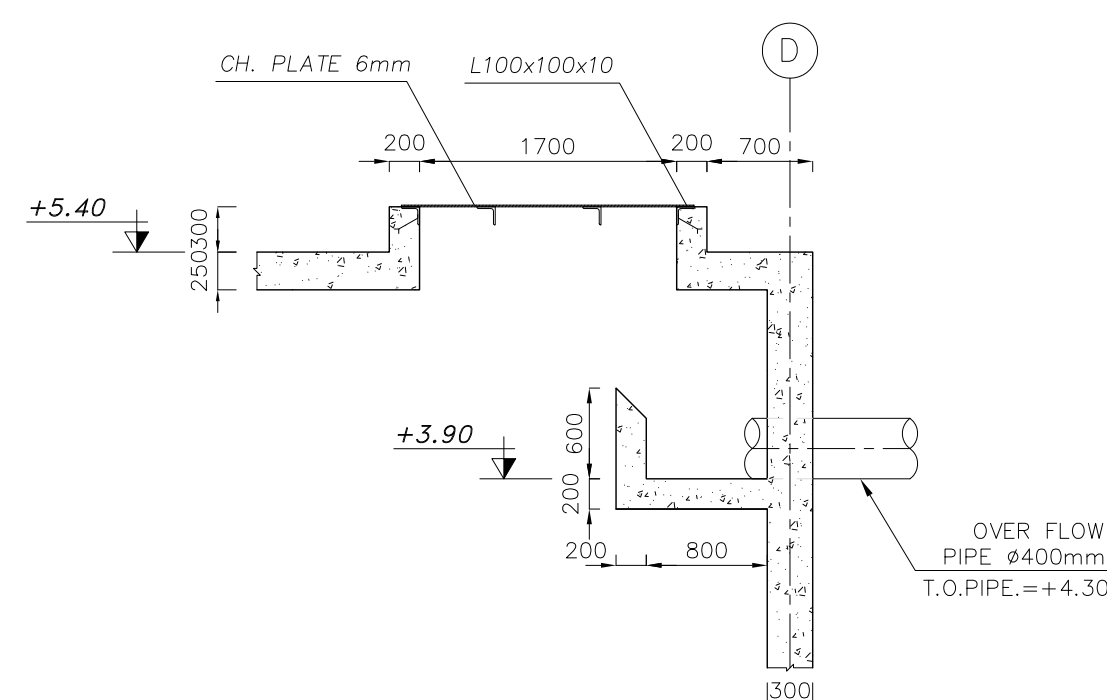
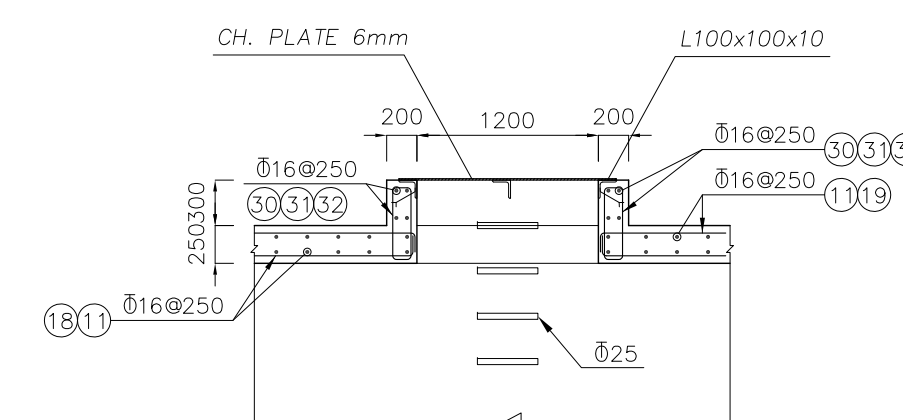
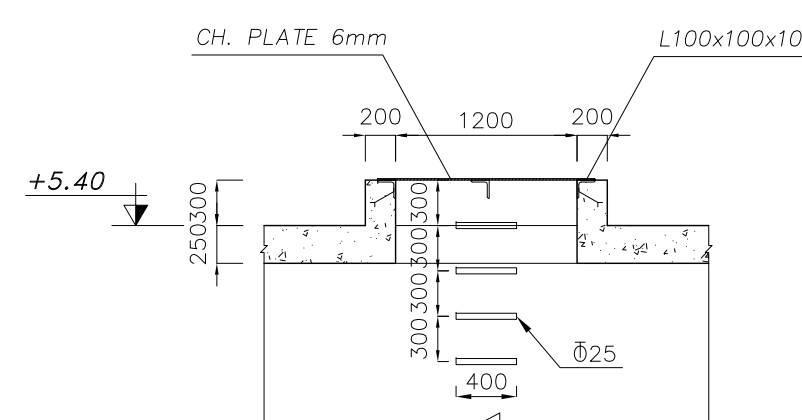
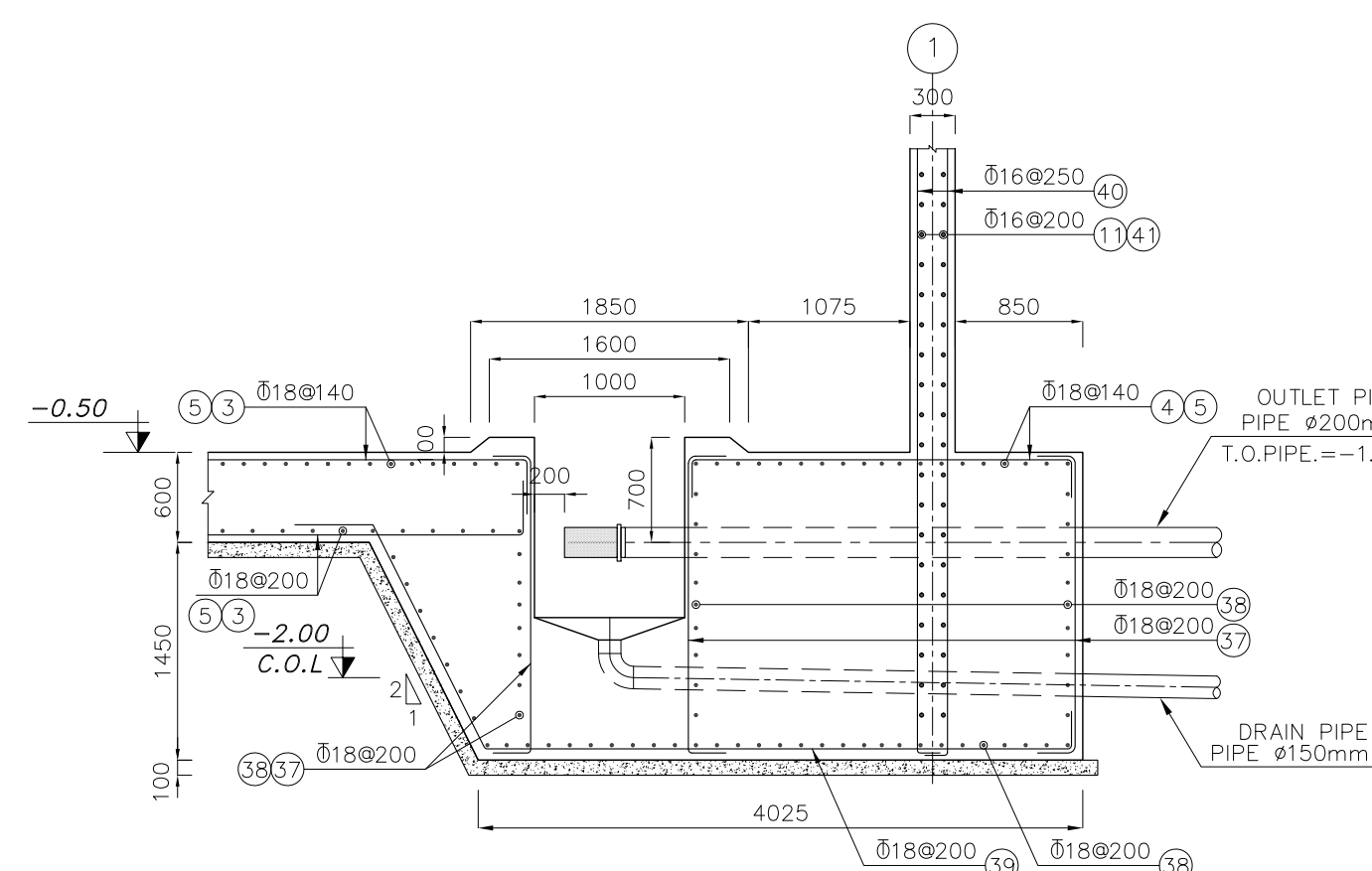
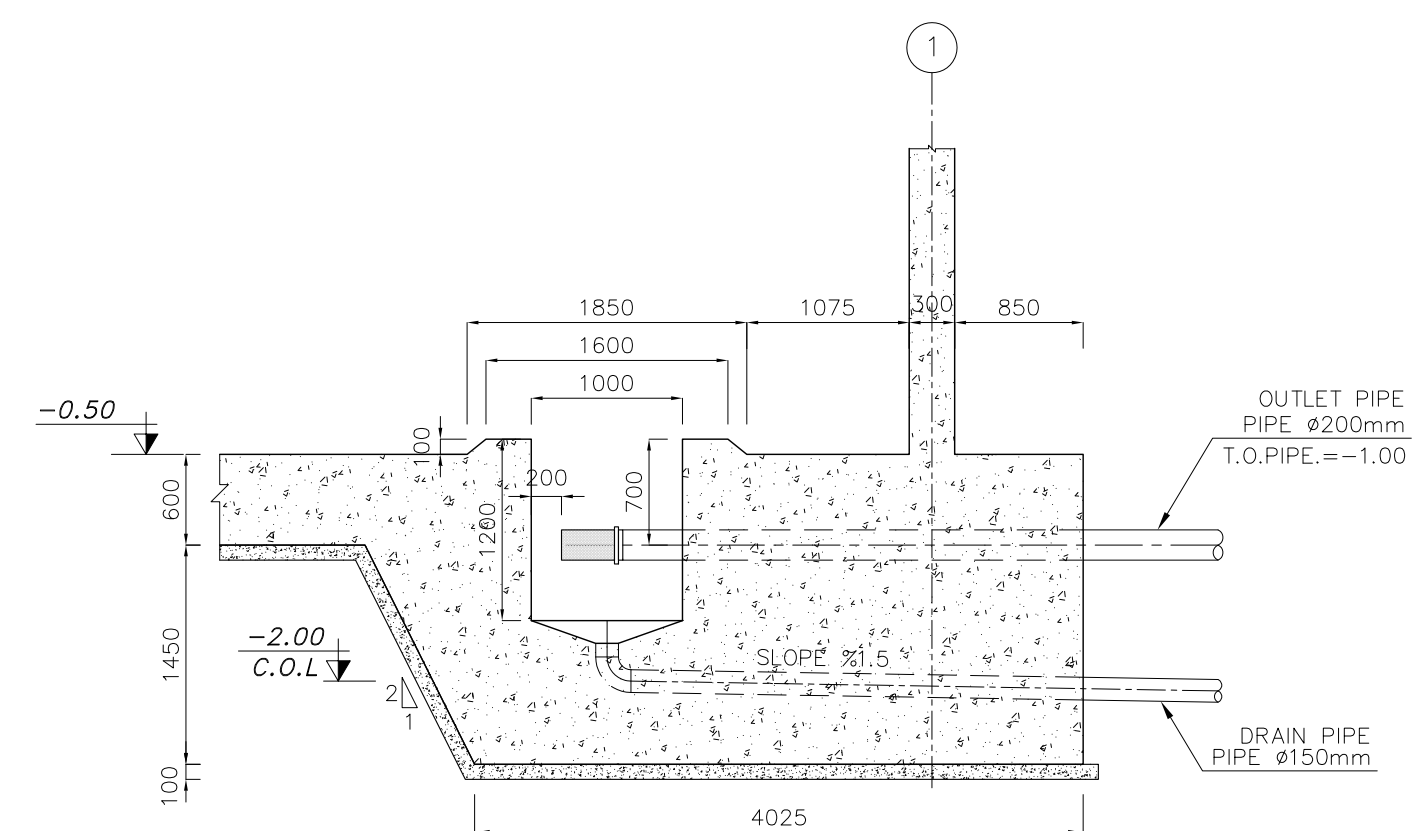
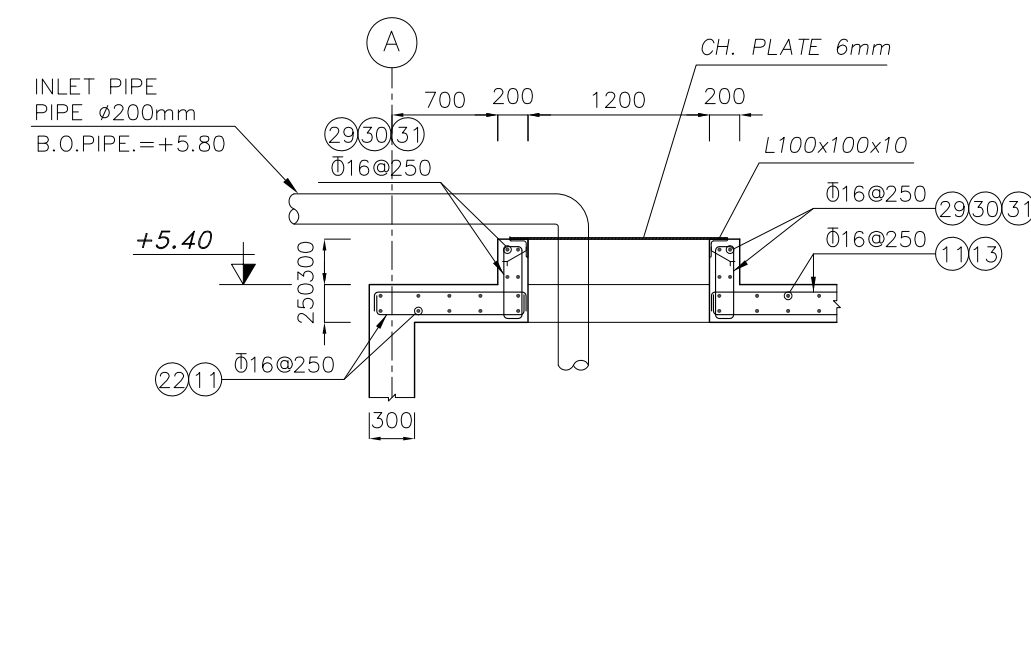
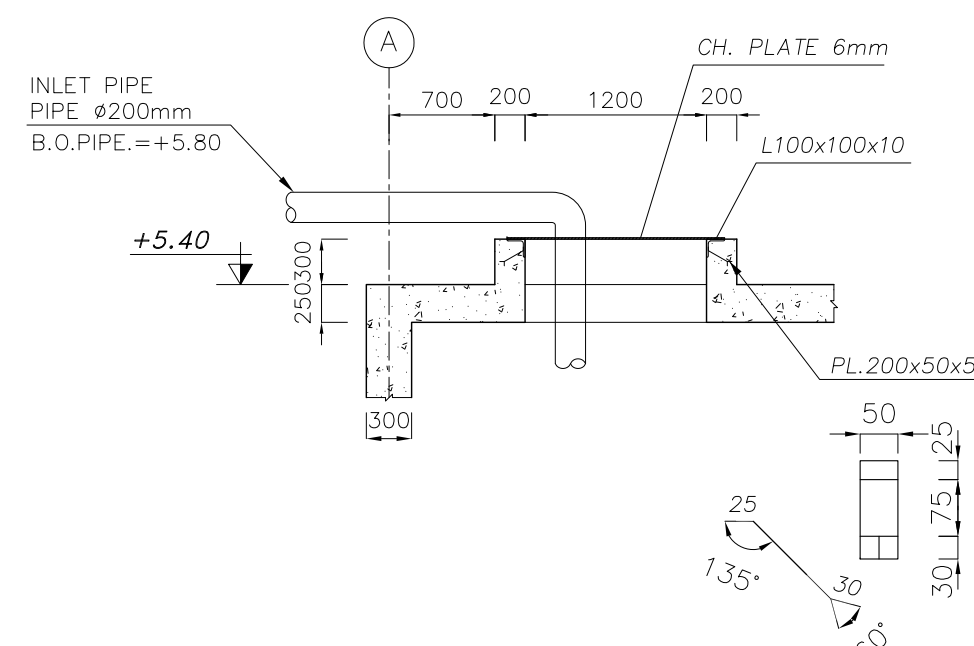
PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: DETAIL "A" TO "D"

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	015	0	A1	1/1

File name:157DCGU1030115-00.DWG

Rev.	DESCRIPTION	Prepared	Checked	Approved	Date
0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED	1405.01.23



REFERENCES

— RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

1. All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
2. Reinforced concrete shall achieve the specified compressive strength of $f_c = 300 \text{ kg/cm}^2$ on cylinder samples with dimensions of 150 mm diameter $\times$ 300 mm height, unless otherwise noted. The maximum water - to - cement ratio (W/C) shall not exceed 0.40.
3. Portland cement, Type II, shall be used for all concrete works, with a minimum cement content of 350 kg/m³.
4. Reinforcement bars shall have a yield strength of 4000 kg/cm², conforming to Type AIII specifications.
5. Lean concrete with specified compressive strength of $f_c = 100 \text{ kg/cm}^2$ and cement content of 150 kg/m³ shall be placed immediately after excavation to mitigate soil weathering.
6. Bar overlaps, end hooks, bends and development lengths shall comply with the requirements of INBC - 9, Section 9 - 21.
7. Final slopes shall be determined on-site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

CLIENT:



CONSULTANT:

BARSOO  **برسو**
CONSULTING and PROJECT MANAGEMENT شرکت مهندسی

CONTRACTOR:

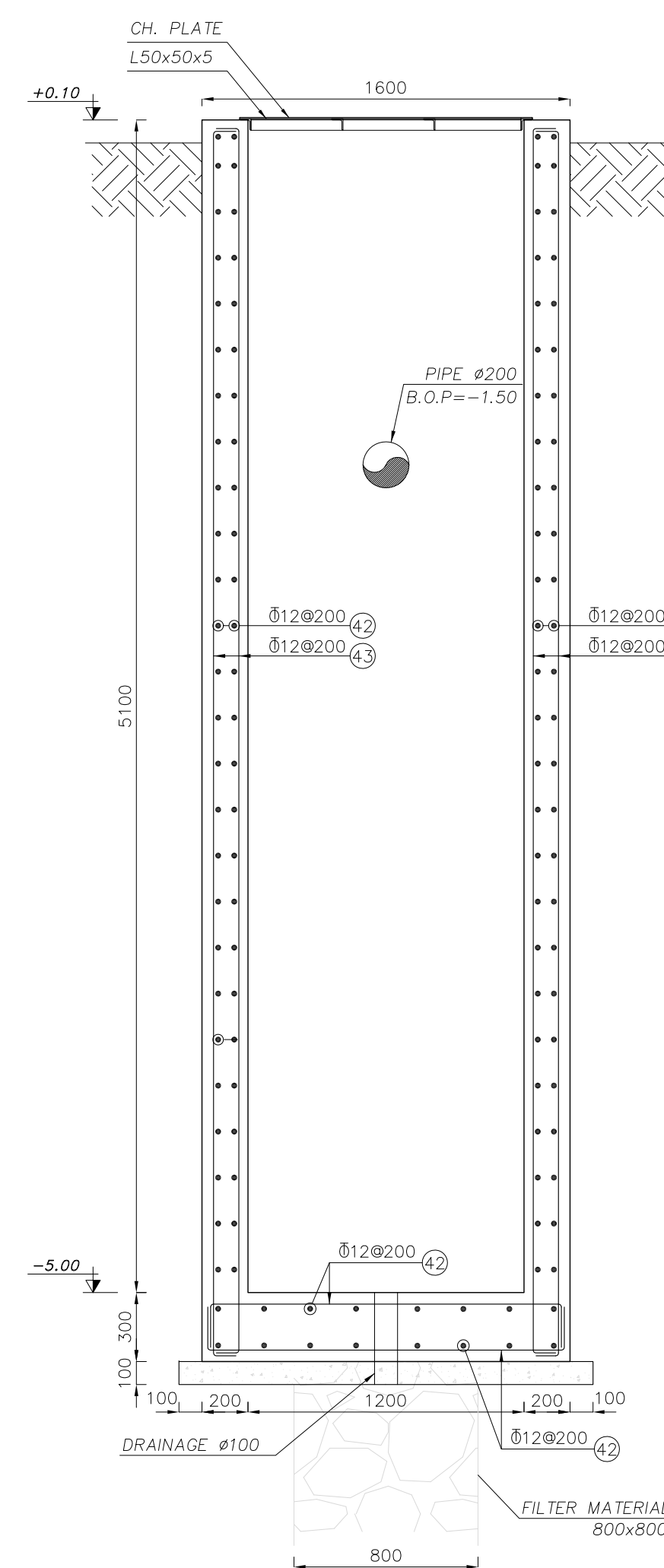
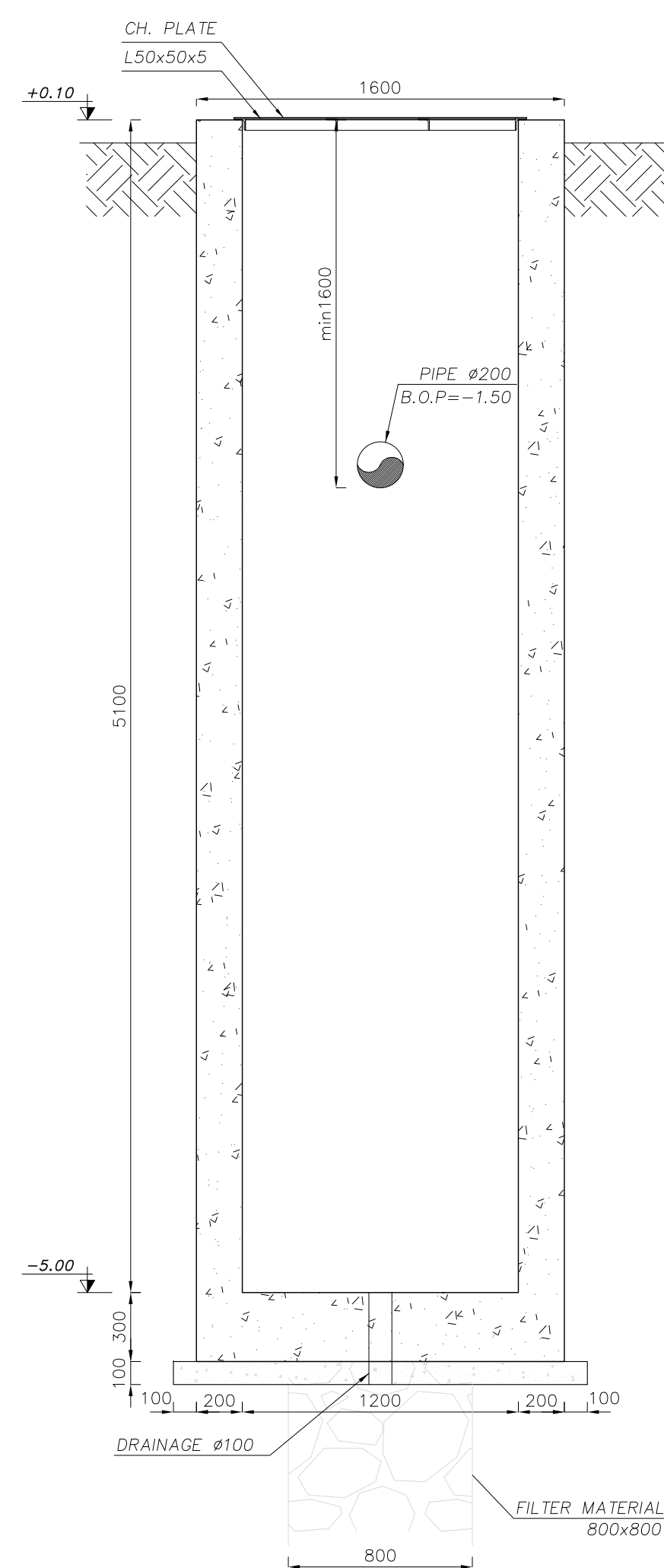
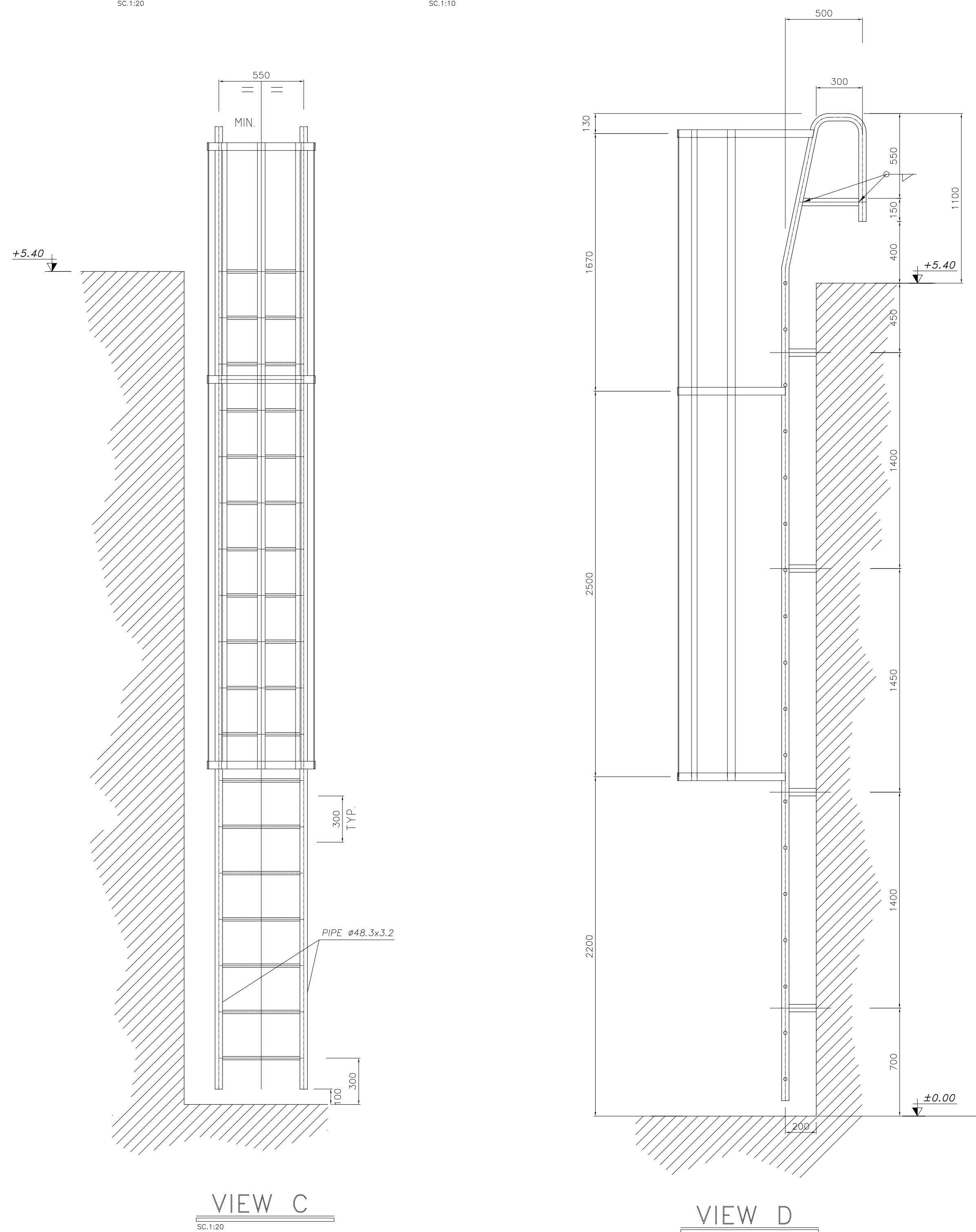
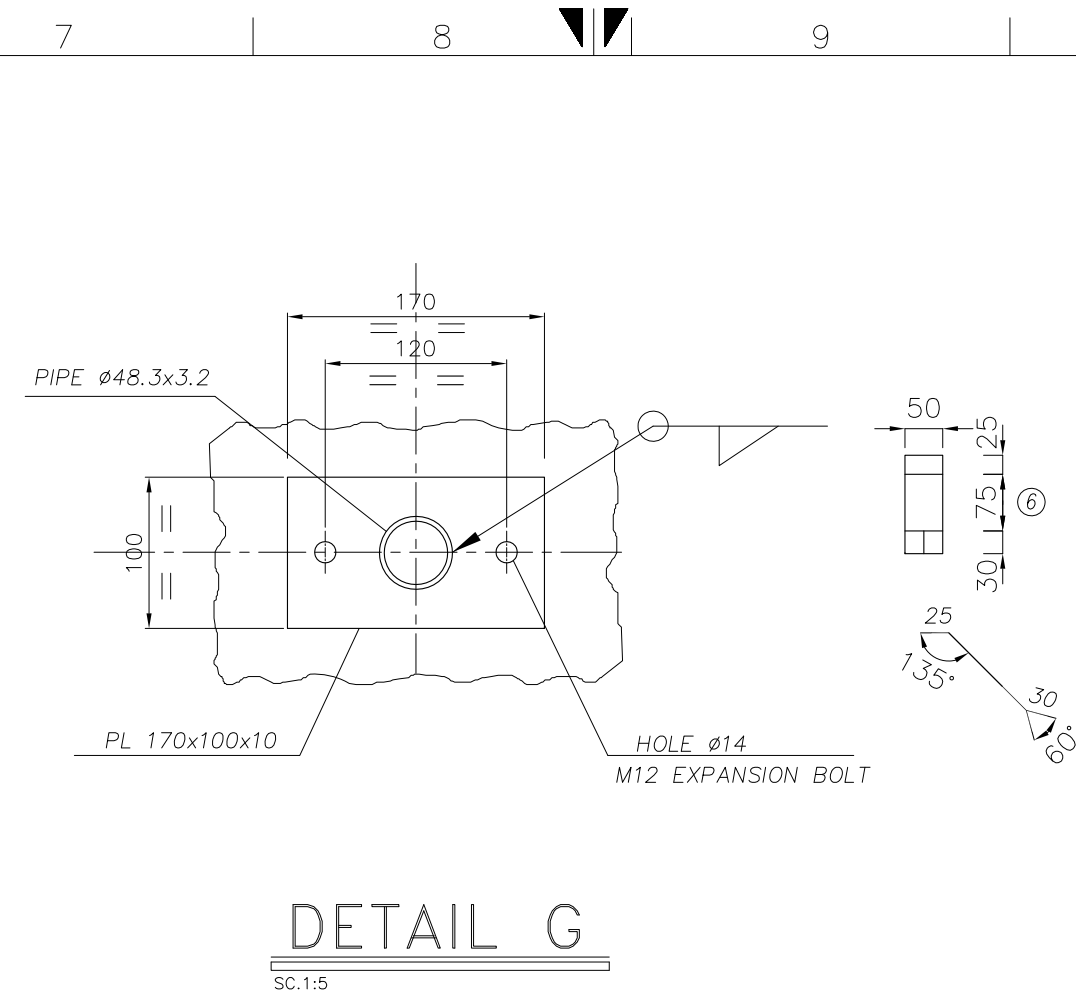
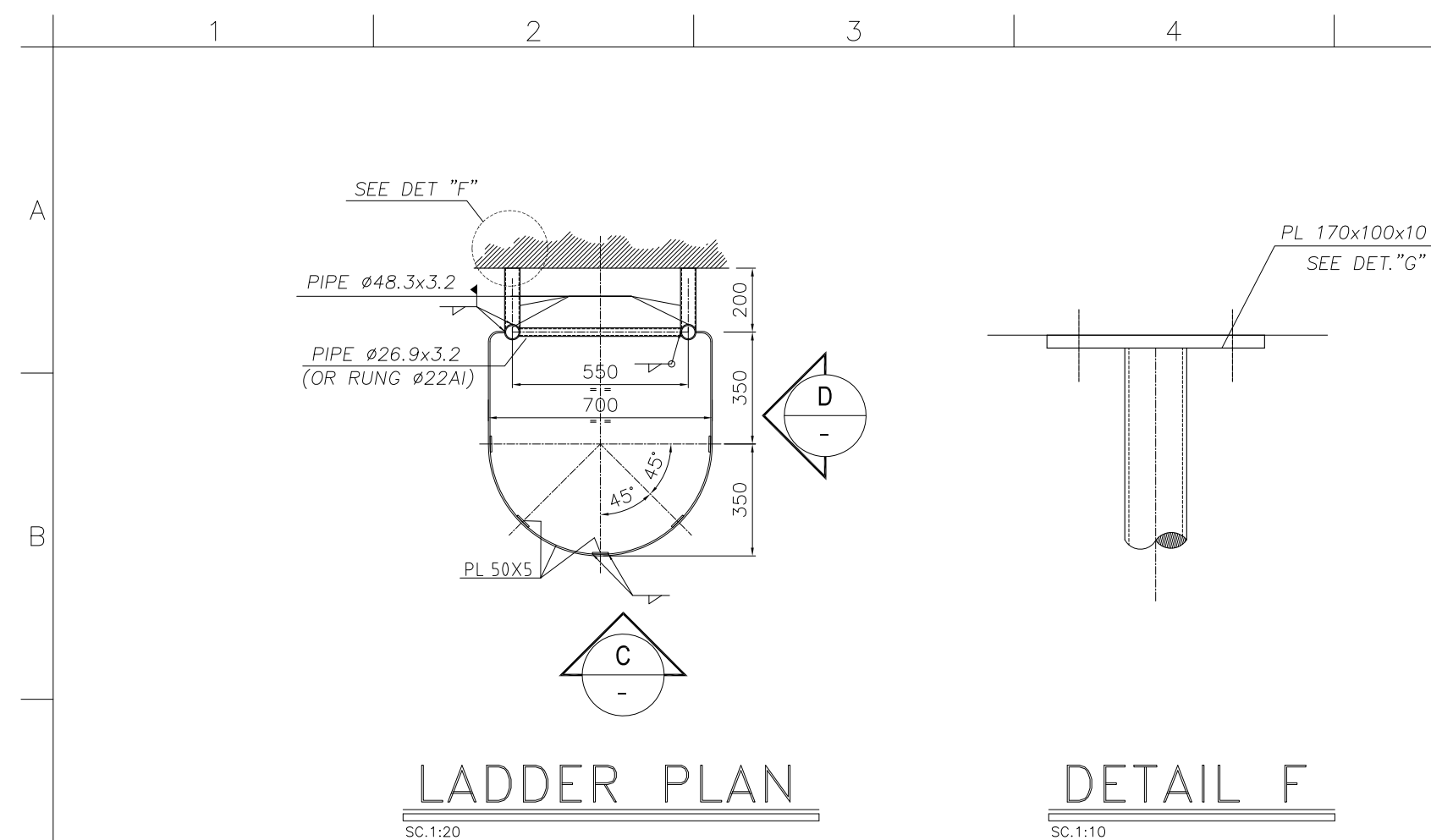
SUBCONTRACTOR:

	Name	Date:	Sign.	CLIENT DOC . NO.	
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-0	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030116-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

DRAWING TITLE: SECTION 2-2 TO 5-5 & REINFORCEMENT SECTIONS

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SH
S	SM01	D	BOP	WWTP	DWG	CV	016	0	A1	1



REFERENCES

— RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

1. All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
2. Reinforced concrete shall achieve the specified compressive strength of $f_c = 30 \text{ kg/cm}^2$ on cylinder samples with dimensions of 150 mm diameter $\times$ 300 mm height, unless otherwise noted. The maximum water - to - cement ratio (W/C) shall not exceed 0.40.
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7. Final slope shall be determined on-site based on actual soil conditions and approved by the site supervision team.

for TENDER DOCUMENT

CLIENT:



CONSULTANT:

BARSOO  **برسو**
CONSULTING and PROJECT MANAGEMENT **شرکت مهندسی**

CONTRACTOR:

SUBCONTRACTOR:	
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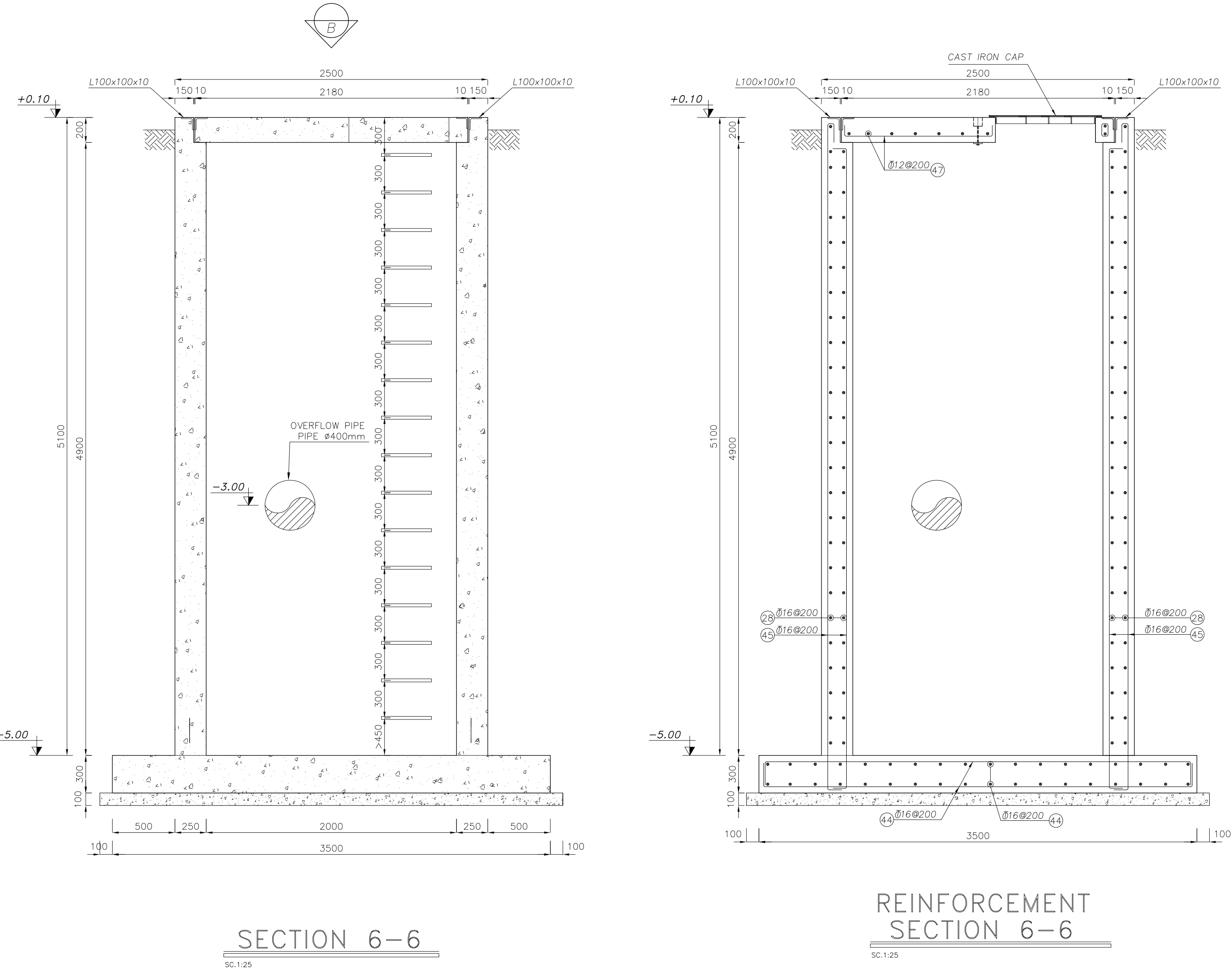
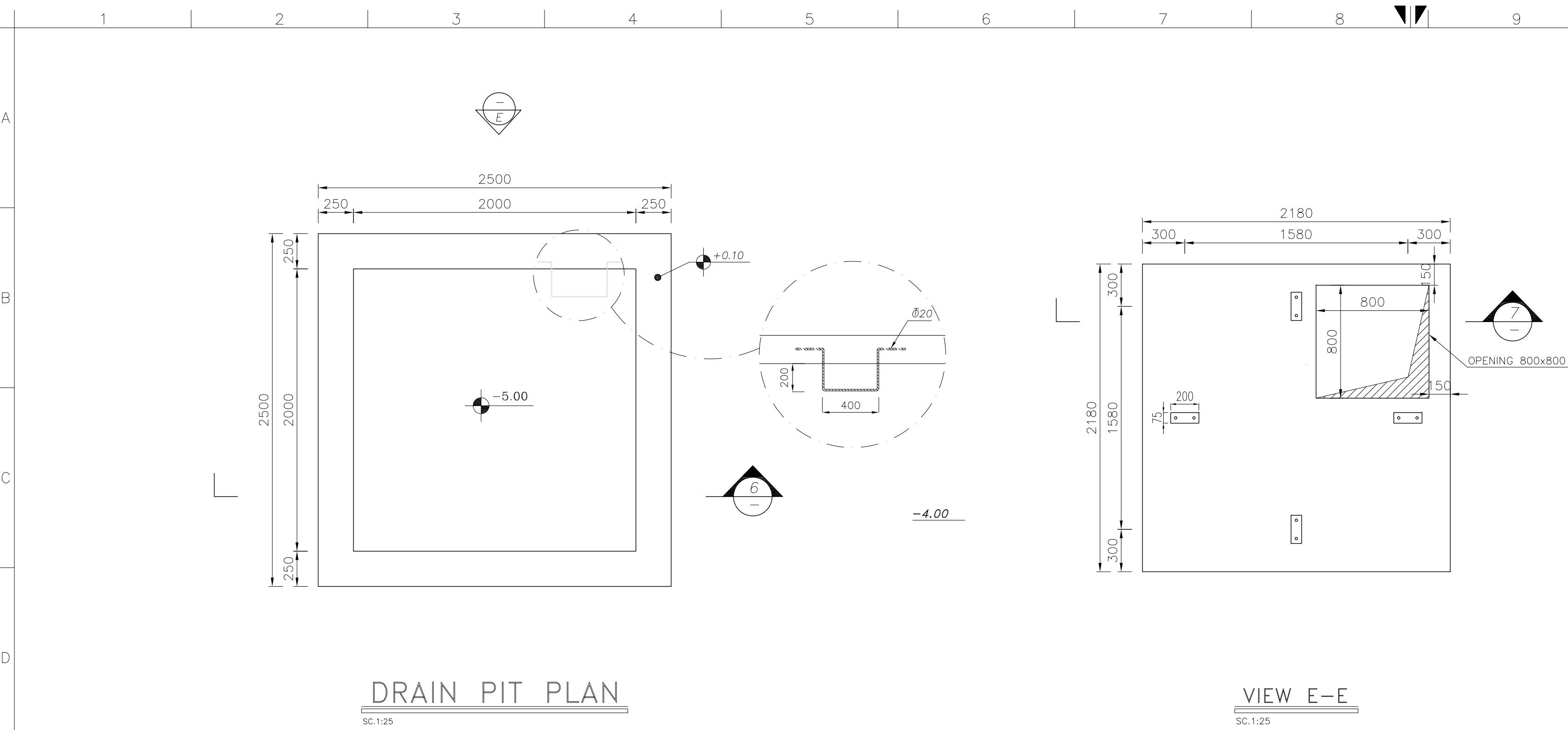
	Name	Date:	Sign.	CLIENT DOC . NO.	
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-017	
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030117-00	
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m³)

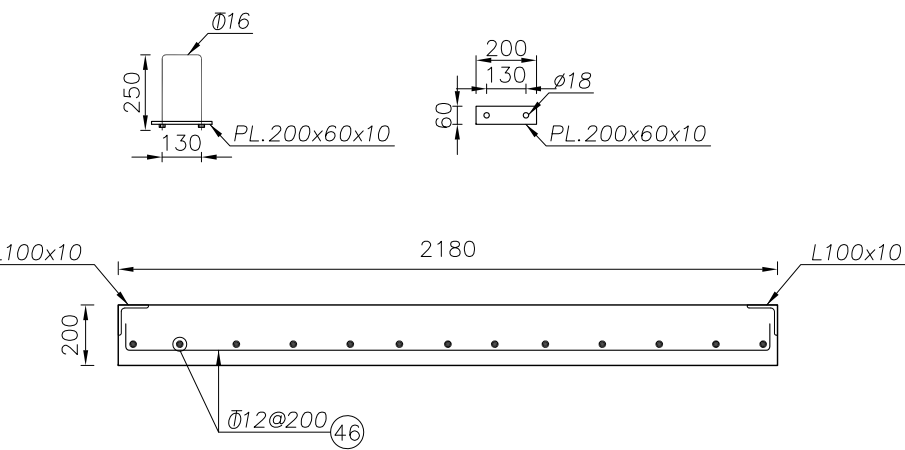
DRAWING TITLE: **LADDER & SUMP PLAN & DETAILS**

DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SMO1	D	BOP	WWTP	DWG	CV	017	0	A1	1 /

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M	-	-	-	-	-
	0	FIRST ISSUE	Z.MANSOURI	AH.KOSARIEH	A.MONFARED
	Rev.	DESCRIPTION	Prepared	Checked	Approved
	1	2	3	4	5



BAR BENDING SCHEDULE									
PROJECT TITLE : RAW WATER TANK 800m ³				CHKD:		COMMENT:		DWG. NO.	
				APPD:					
BARSOO CONSULTING ENGINEERS				DATE:		PAGE 1 OF 1			
Pos.	#	No.	UNIT LENGTH (m)	SHAPE (mm)		TOTAL LENGTH (m)			
						Ø12	Ø16	Ø18	
1	18	131	12.00		11700				1572.00
2	18	131	11.64		11340				1524.00
3	18	24	8.00		7200				192.00
4	18	24	3.14		2540				75.36
5	18	260	11.05		10450				2873.00
6	18	12	3.15		2550				37.80
7	18	12	3.80		3200				45.00
8	18	12	3.10		2500				37.20
9	16	622	2.00		1750		1244.00		
10	16	614	5.65		5400		3469.10		
11	16	246	9.30		8800		2287.80		
12	16	8	4.04		3790		32.32		
13	16	204	12.00		11750		2448.00		
14	16	116	9.75		9500		1131.00		
15	16	14	8.45		8200		118.30		
16	12	50	1.50		1500	75.00			
17	16	324	1.75		1500		567.00		
18	16	20	8.60		8100		172.00		
19	16	20	11.60		11100		232.00		
20	16	12	7.50		7250		90.00		
21	16	12	4.90		4650		58.80		
22	16	28	1.50		1000		42.00		
23	16	34	1.30		800		44.20		
24	16	20	7.20		6950		144.00		
25	16	10	3.00		2500		30.00		
26	16	20	2.05		1550		41.00		
27	16	10	6.60		6100		66.00		
28	16	132	2.85		2350		376.00		
29	16	16	2.30		1800		36.80		
30	16	32	2.00		1500		64.00		
31	16	128	1.20		450		153.60		
32	16	16	1.80		1300		28.80		
33	16	34	4.80		4300		163.20		
34	16	16	2.50		2000		40.00		
35	16	16	1.40		550		22.70		
36	16	16	3.00		1200		48.00		
37	18	54	2.52		1920			136.08	
38	18	156	3.70		3100			577.20	
39	18	20	6.16		2750			123.20	
40	16	24	3.45		3200		82.80		
41	16	12	2.35		1850		28.20		
42	12	236	1.65		1250	389.40			
43	12	56	5.67		5270	317.52			
44	16	72	3.85		3350		277.20		
45	16	44	5.77		5270		253.88		
46	12	32	2.48		2080	79.36			
47	12	24	1.53		1130	36.72			
TOTAL LENGTH (m)						898.00	13792.60	7194.28	
UNIT WEIGHT (Kg/m)						0.888	1.580	2.000	
WEIGHT (Kg)						797.42	21792.31	14388.56	
GRAND TOTAL WEIGHT (Kg)						36978.29			

REFERENCES

RAW WATER TANK BASIC DRAWING DWG: S-SM01-D-BOP-WWTP-DWG-UT-001-00

NOTE

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for TENDER DOCUMENT

CLIENT:	CONSULTANT:

CONTRACTOR:	SUBCONTRACTOR:
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	Name	Date:	Sign.	CLIENT DOC . NO.
Approved	A.MONFARED	1405.01.23	--	S-SM01-D-BOP-WWTP-DWG-CV-018
Checked:	AH.KOSARIEH	1405.01.23	--	PROJECT NO.: 157DCGU1030118-00
Designed:	Z.MANSOURI	1405.01.23	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: RAW WATER STORAGE TANK (800 m ³)										
DRAWING TITLE: DRAIN PIT PLAN & SECTIONS										
DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
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