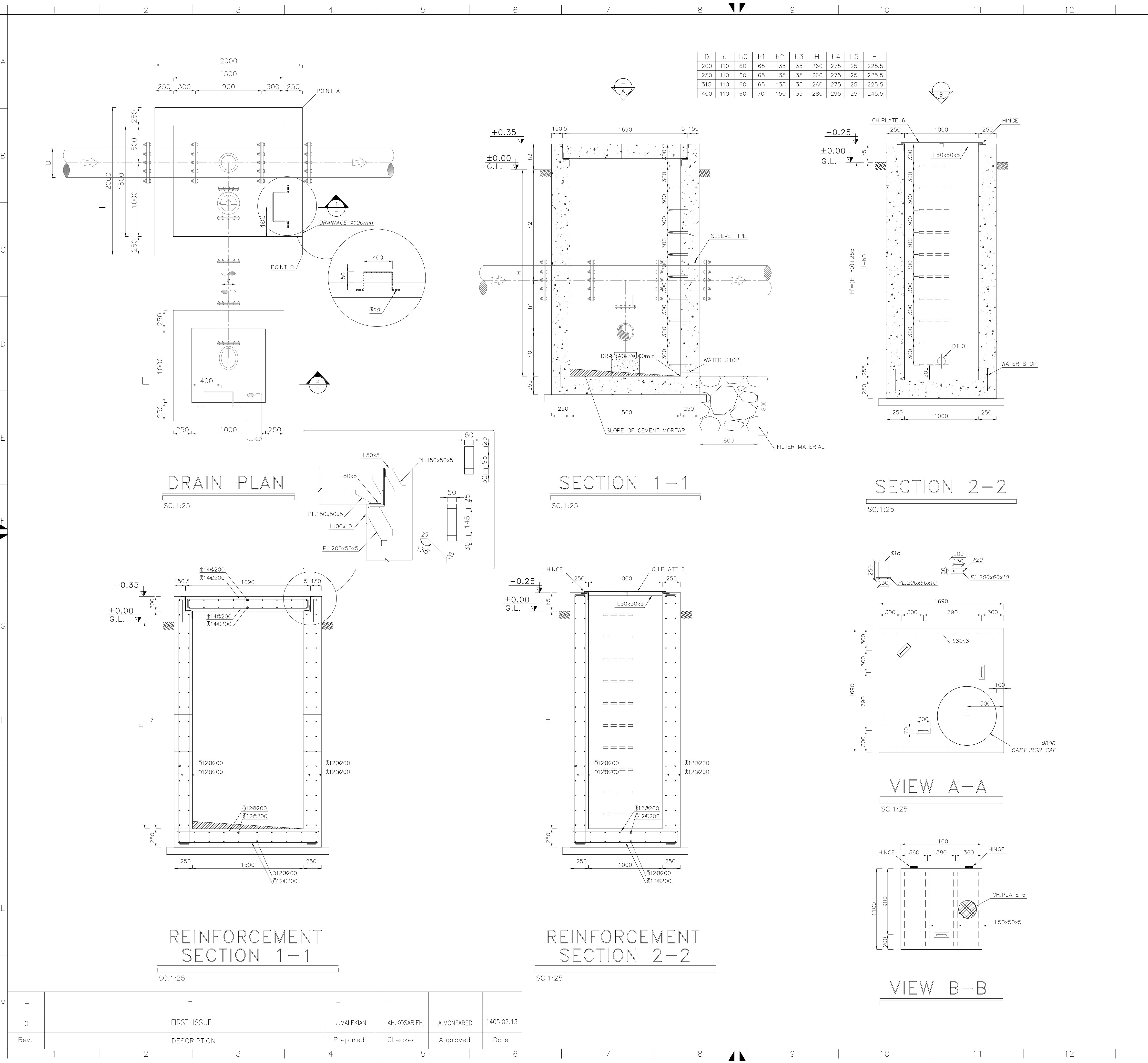


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REFERENCE DOCUMENTS

No.

LEGEND :

LOCATION POINT			
NAME	POINT	X	Y
DR-1-1	A	2866.613	21301.650
	B	2868.613	21301.650
DR-1-2	A	2993.723	22261.910
	B	2993.723	22259.910

NOTES :

- All dimensions are specified in millimeters, and all coordinates and elevations are in meters.
- 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.
- Portland cement, Type II, shall be used for all concrete works, with a minimum cement content of 350 kg/m^3 .
- Reinforcement bars shall have a yield strength of 4000 kg/cm^2 , conforming to Type AIII specifications.
- Lean concrete with specified compressive strength of $f_c = 100 \text{ kg/cm}^2$ and cement content of 150 kg/m^3 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.

KEY PLAN

for TENDER DOCUMENT

CLIENT:



CONSULTANT:



CONTRACTOR:

SUBCONTRACTOR:

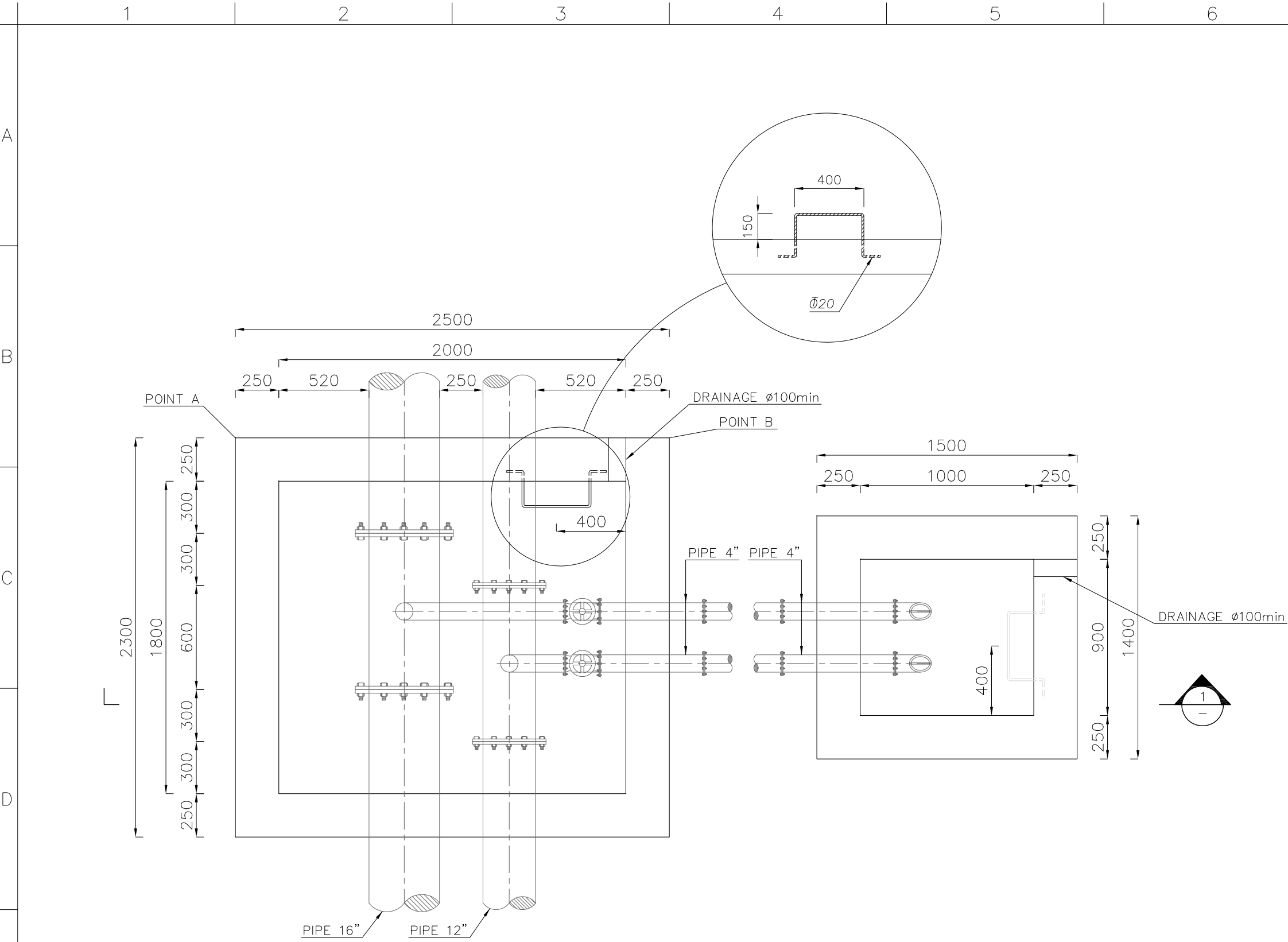
	Name	Date:	Sign.	CLIENT DOC . NO.
Approved	A.MONFARED	1405.02.13	--	S-SM01-D-BOP-WWTP-DWG-CV-202
Checked:	AH.KOSARIEH	1405.02.13	--	PROJECT NO.: 157DCGU1020202-00
Designed:	J.MALEKIAN	1405.02.13	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: INDUSTRIAL WASTE WATER TRANSFER LINE

DRAWING TITLE: DRAIN PIT PLAN(DN200 TO DN400) & SECTIONS

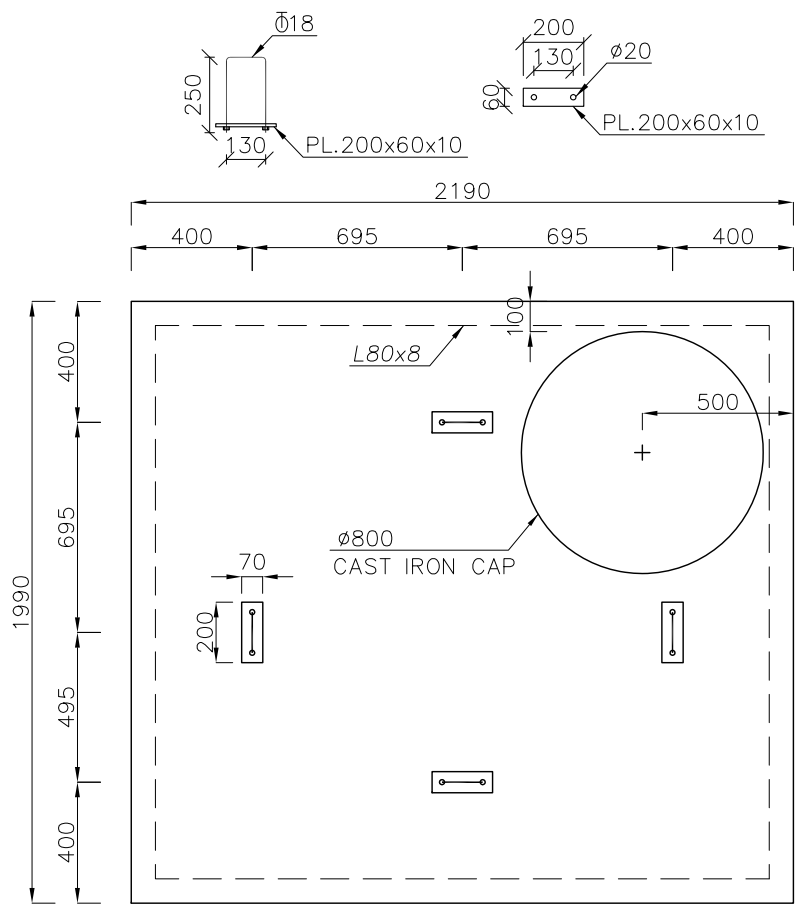
DRAWING NO.										
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	202	0	A1	1/1

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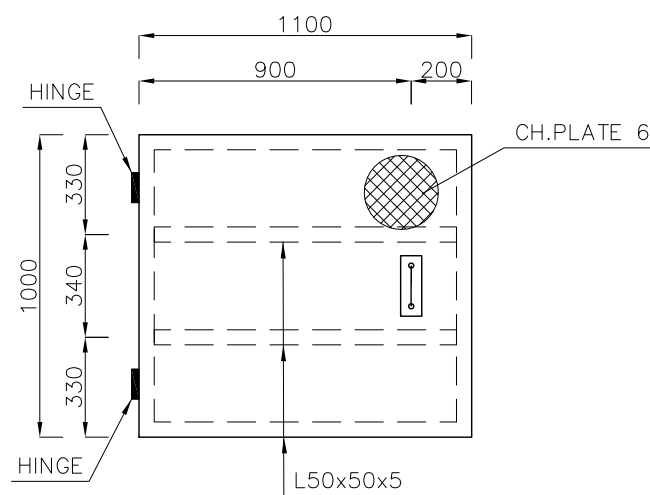
DOUBLE DRAIN PIT PLAN

SC.1:25



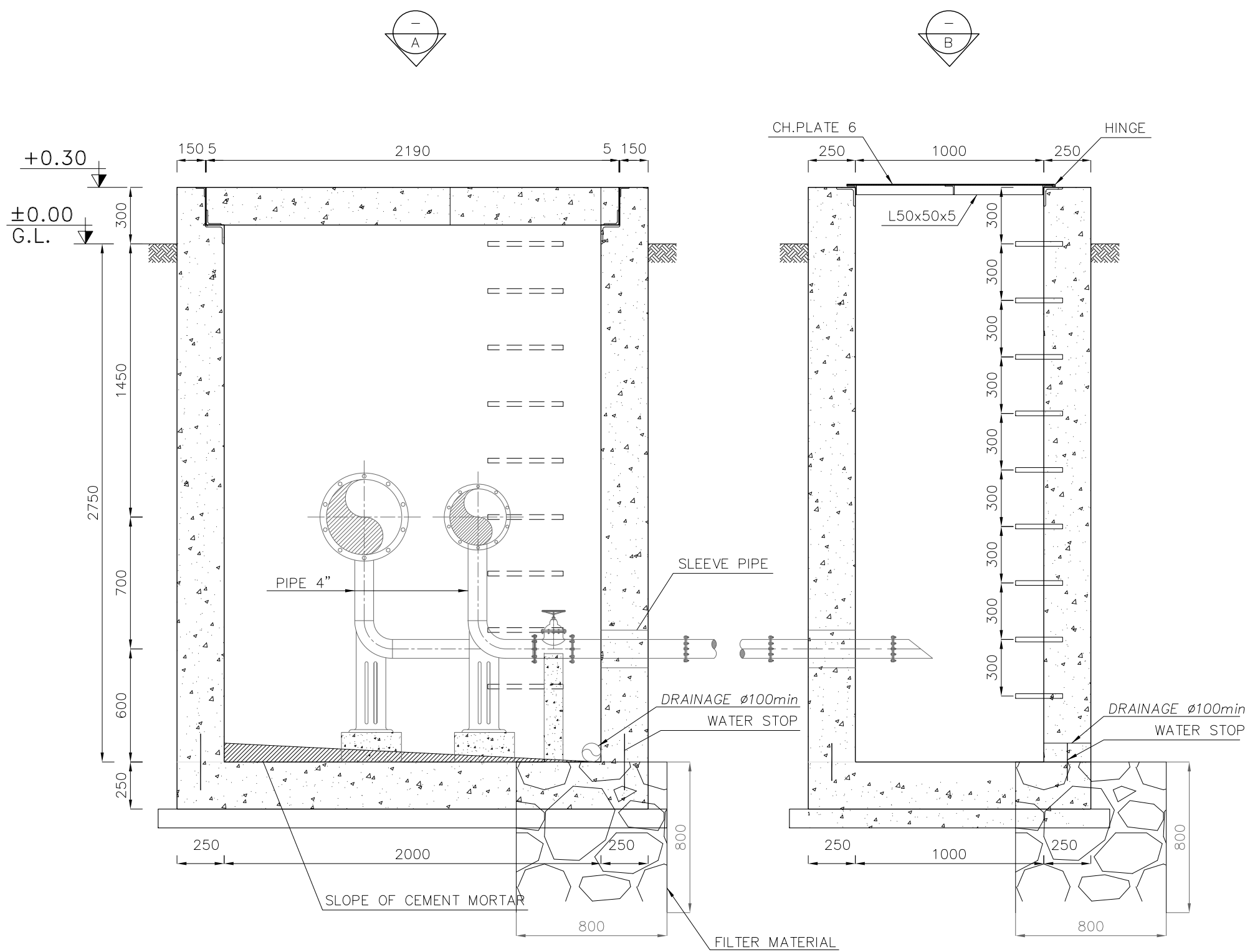
VIEW A-A

SC.1:25



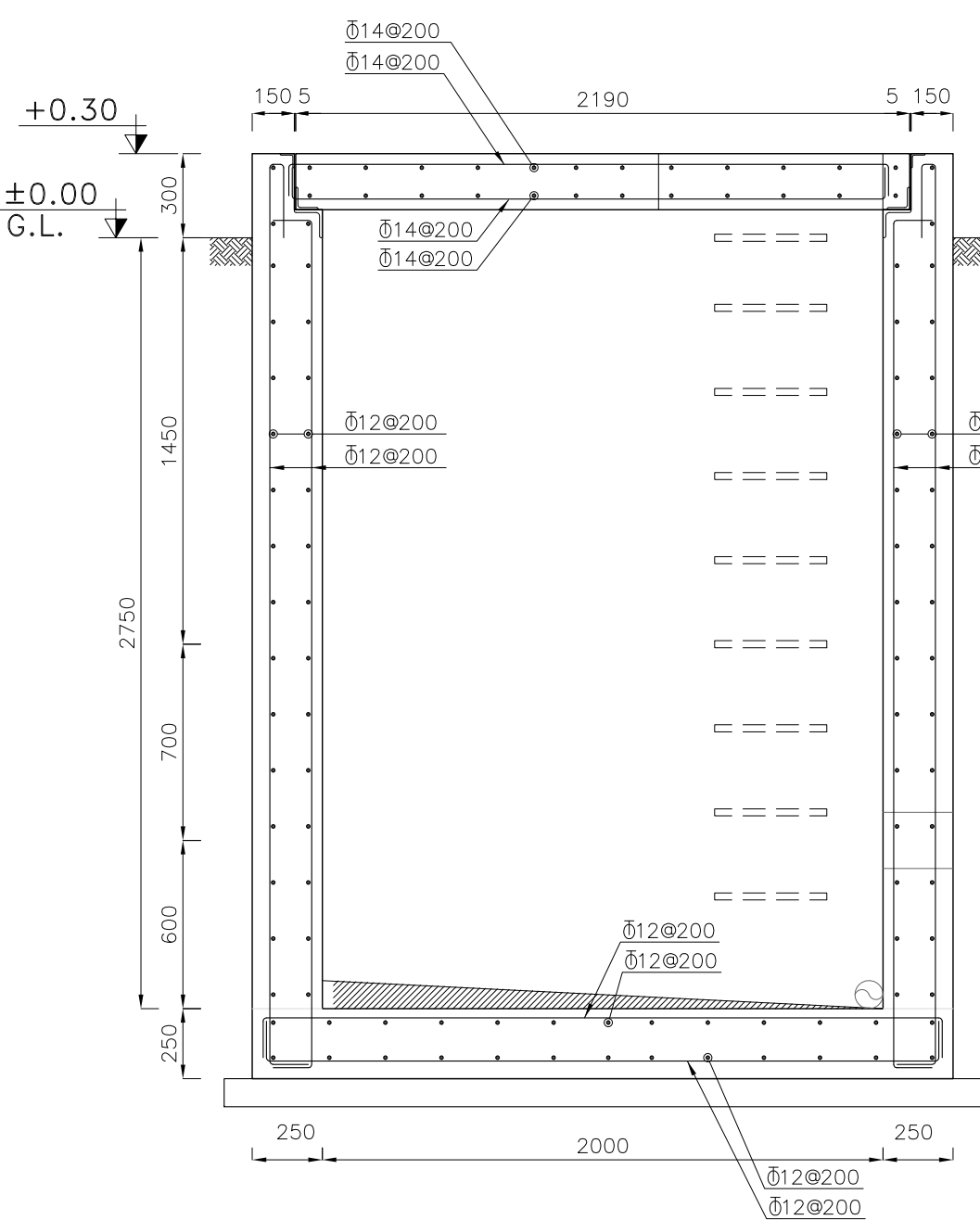
VIEW B-B

SC.1:25



SECTION 1-1

SC.1:25



REINFORCEMENT SECTION 1-1

SC.1:25

REFERENCE DOCUMENTS

No.

LEGEND :

LOCATION POINT			
NAME	POINT	X	Y
DR-2-1	A	2960.457	21216.035
	B	2960.457	21218.495

NOTES :

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

KEY PLAN

for TENDER DOCUMENT

CLIENT:

شرکت توسعه آذین و فولاد گل، تهران
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	1405.02.13	--	S-SM01-D-BOP-WWTP-DWG-CV-203	
Checked:	AH.KOSARIEH	1405.02.13	--	PROJECT NO.: 157DCGU1020203-00	
Designed:	J.MALEKIAN	1405.02.13	--	SCALE 1:1000	DOC CLASS NO.: --

PROJECT: **INDUSTRIAL WASTE WATER TRANSFER LINE**

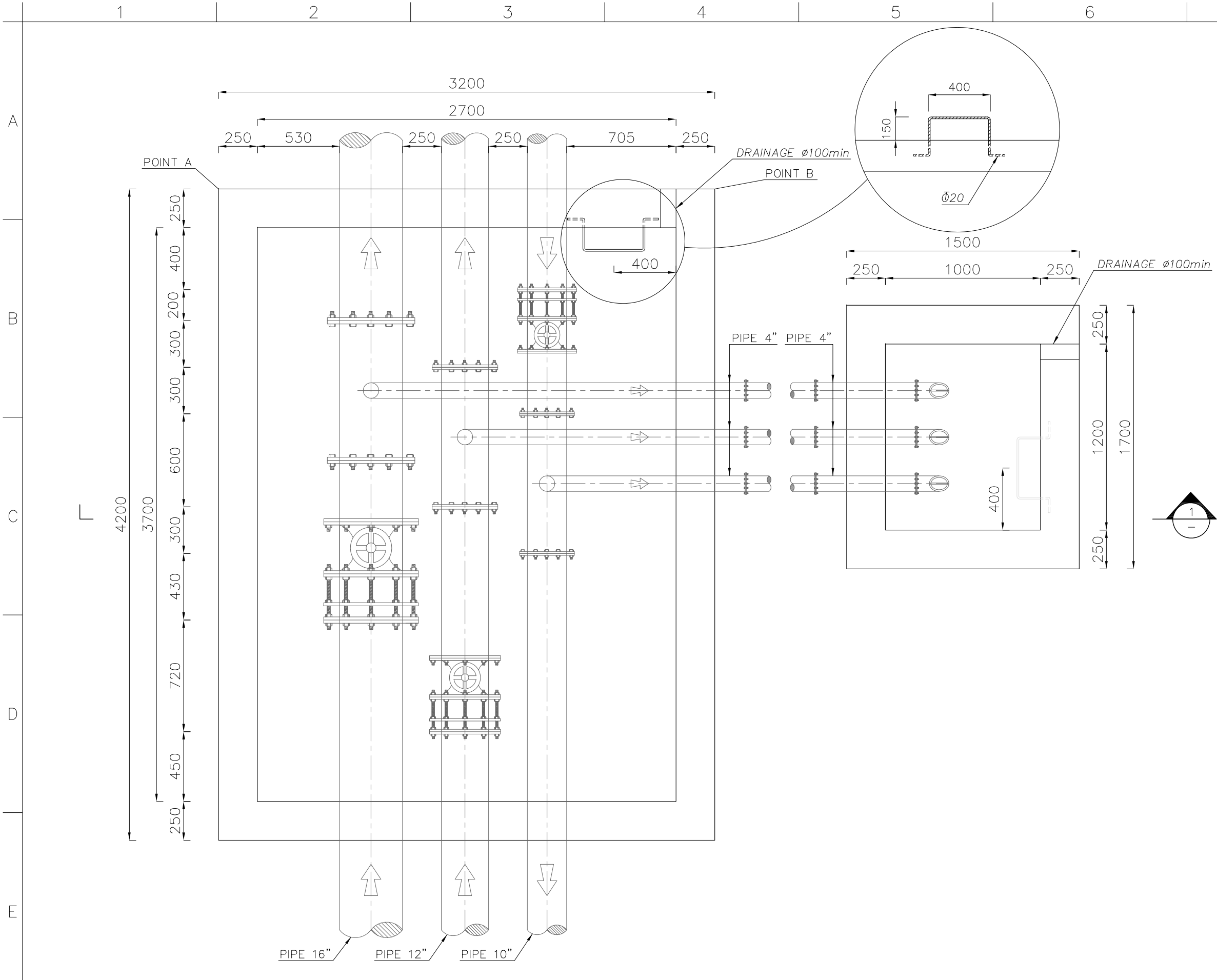
DRAWING TITLE: **DOUBLE DRAIN PIT PLAN (DN315 & DN400) & SECTIONS**

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	203	0	A1	1/1

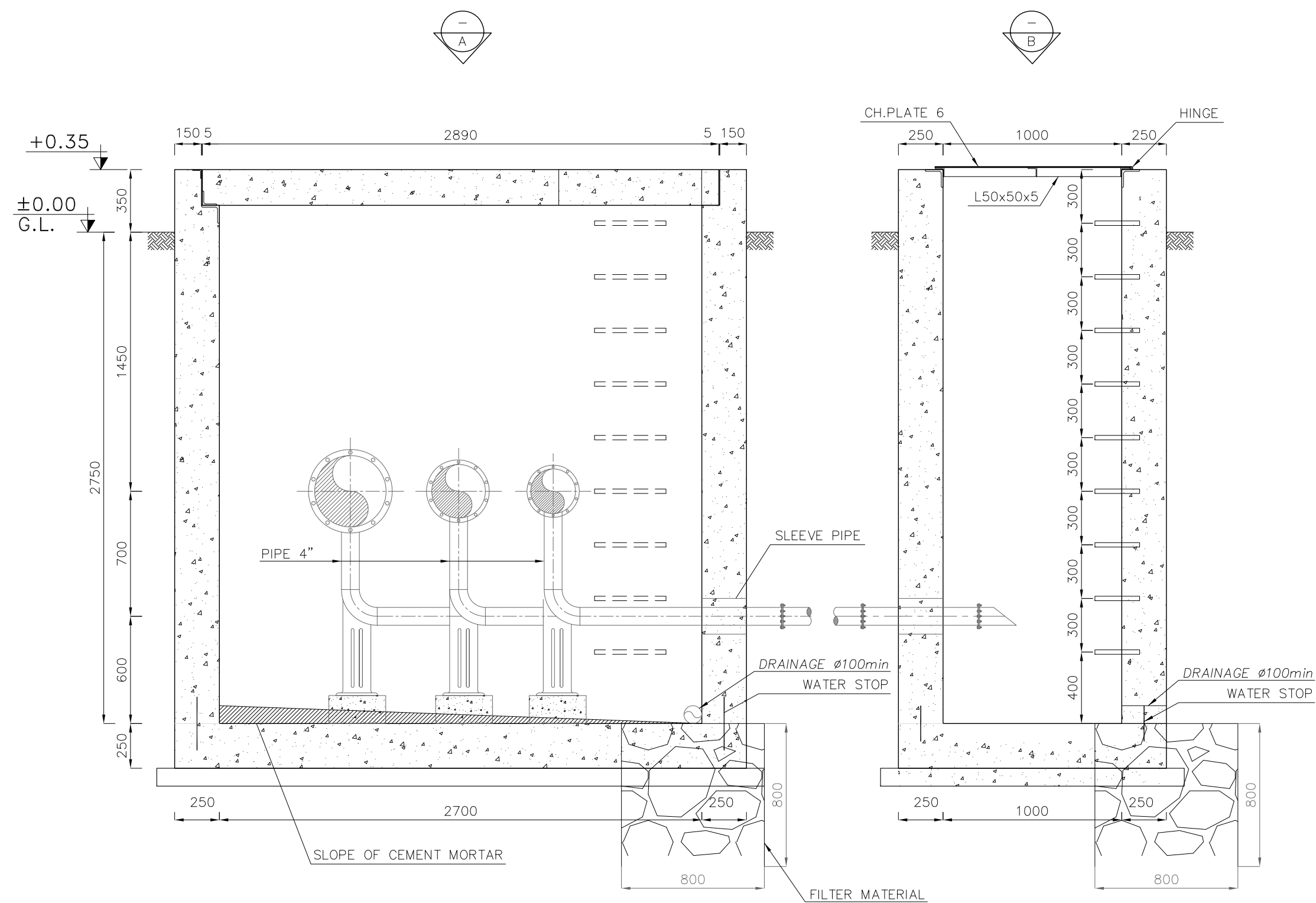
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date
0	FIRST ISSUE	J.MALEKIAN	AH.KOSARIEH	A.MONFARED	1405.02.13

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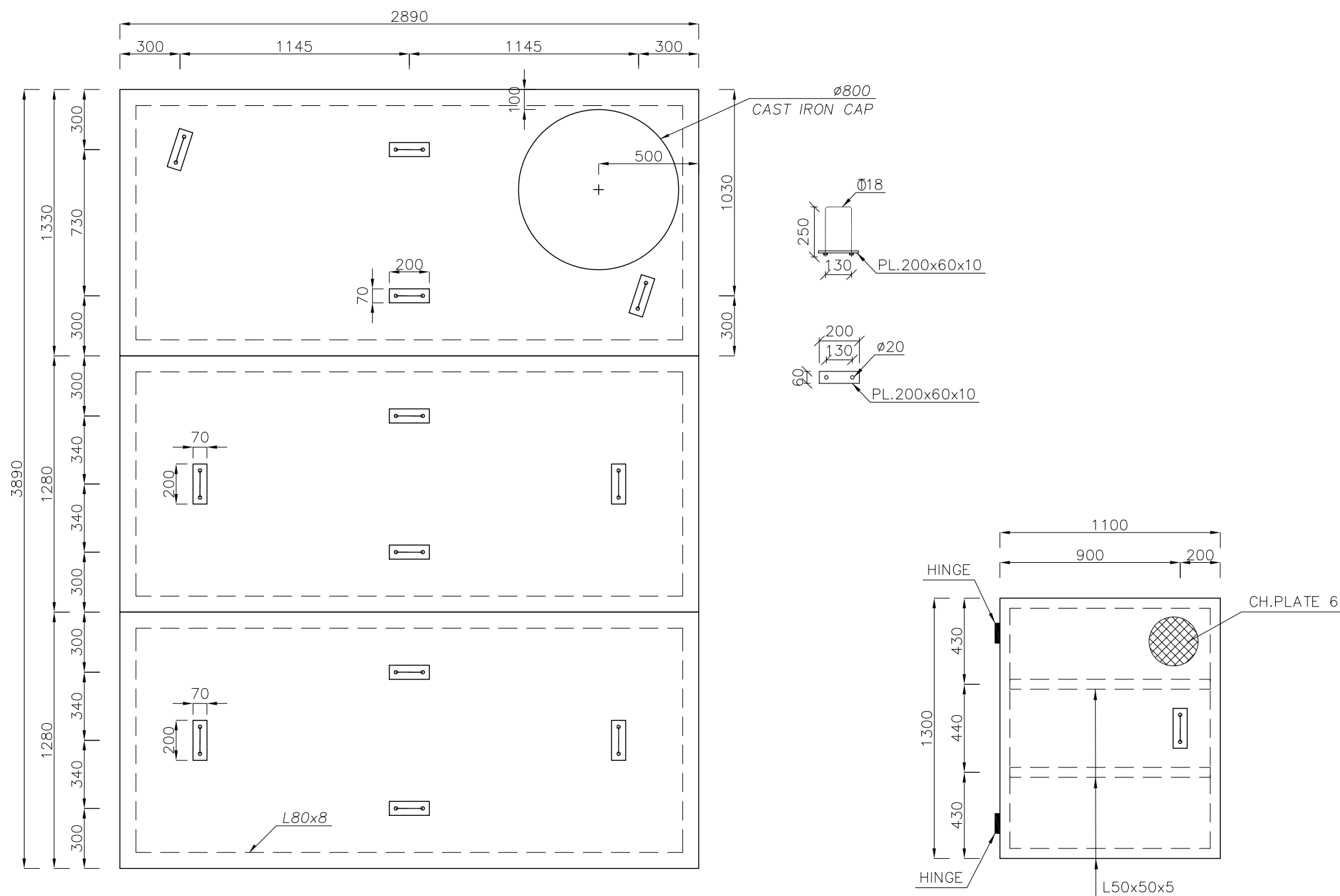
TRIPLE DRAIN PIT PLAN

SC.1:25



SECTION 1-1

SC.1:25

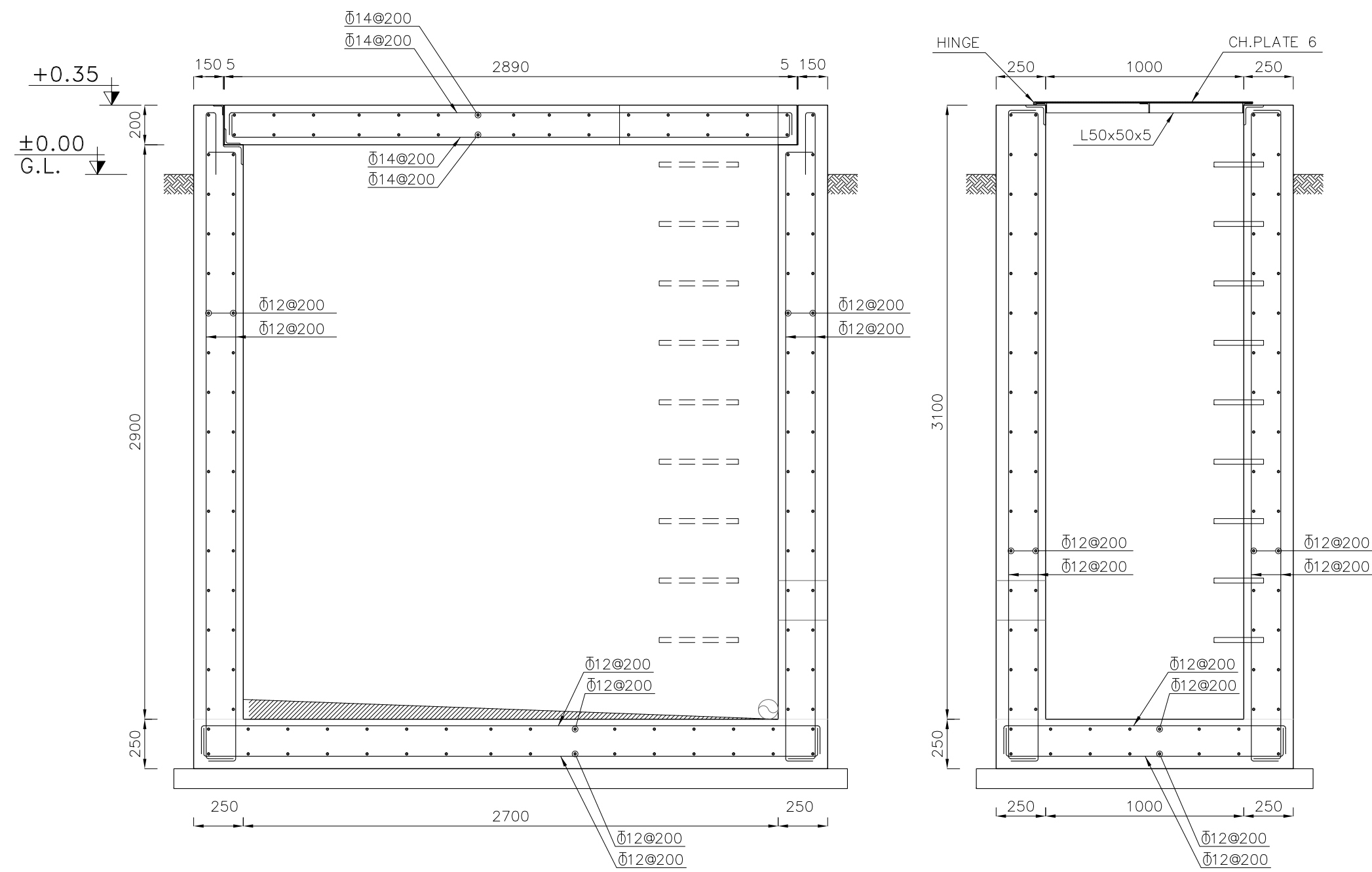


VIEW A-A

SC.1:25

VIEW B-B

SC.1:25



REINFORCEMENT
SECTION 1-1

SC.1:25

REFERENCE DOCUMENTS

No.

LEGEND :

LOCATION POINT			
NAME	POINT	X	Y
DR-3-1	A	3325.408	21089.773
	B	3225.408	21086.603
DR-3-2	A	3523.448	21861.847
	B	3523.448	21865.017

NOTES :

- 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.

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CONTRACTOR:

SUBCONTRACTOR:

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Approved	A.MONFARED	1405.02.13	--	S-SM01-D-BOP-WWTP-DWG-CV-204
Checked:	AH.KOSARIEH	1405.02.13	--	PROJECT NO.: 157DCGU1020204-00
Designed:	J.MALEKIAN	1405.02.13	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT: INDUSTRIAL WASTE WATER TRANSFER LINE

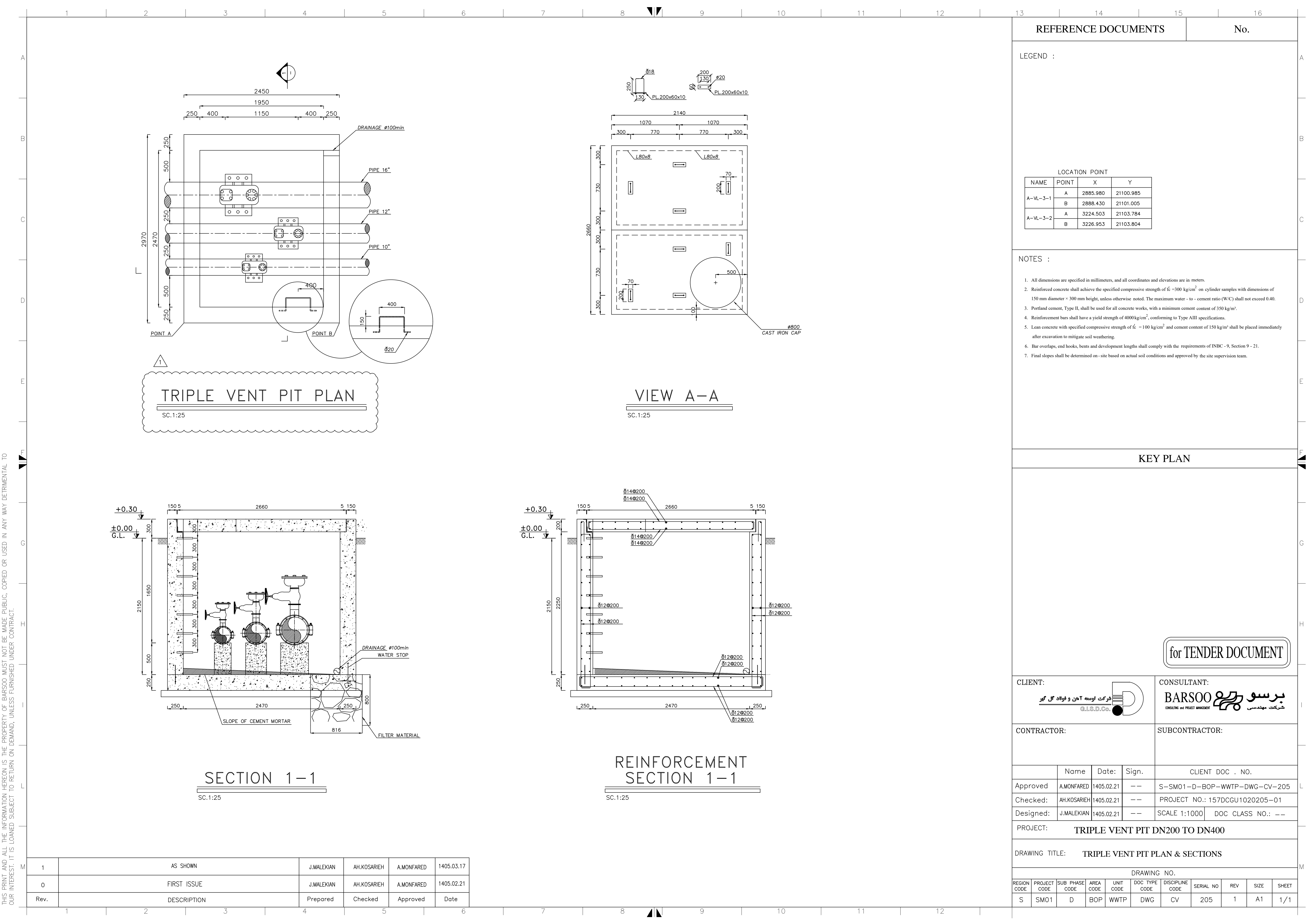
DRAWING TITLE: TRIPLE DRAIN & GATE VALVE PIT PLAN
(DN250 TO DN400) & SECTIONS

DRAWING NO.

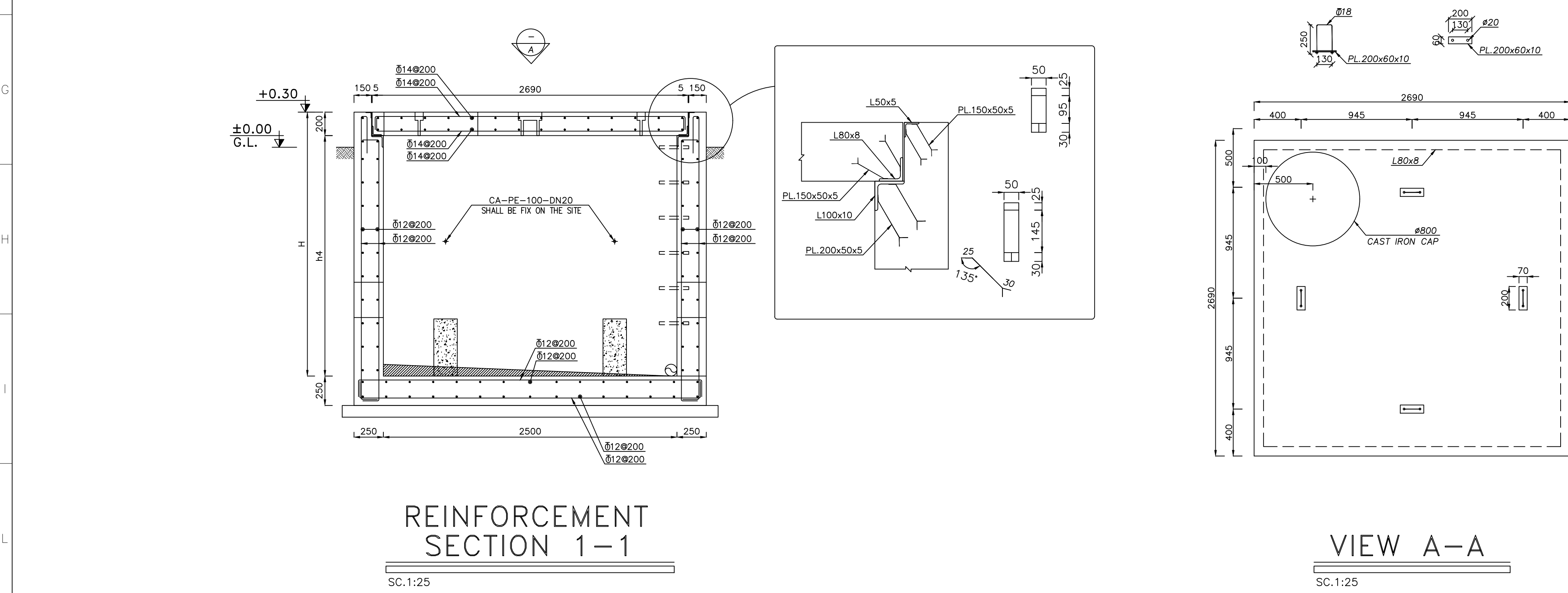
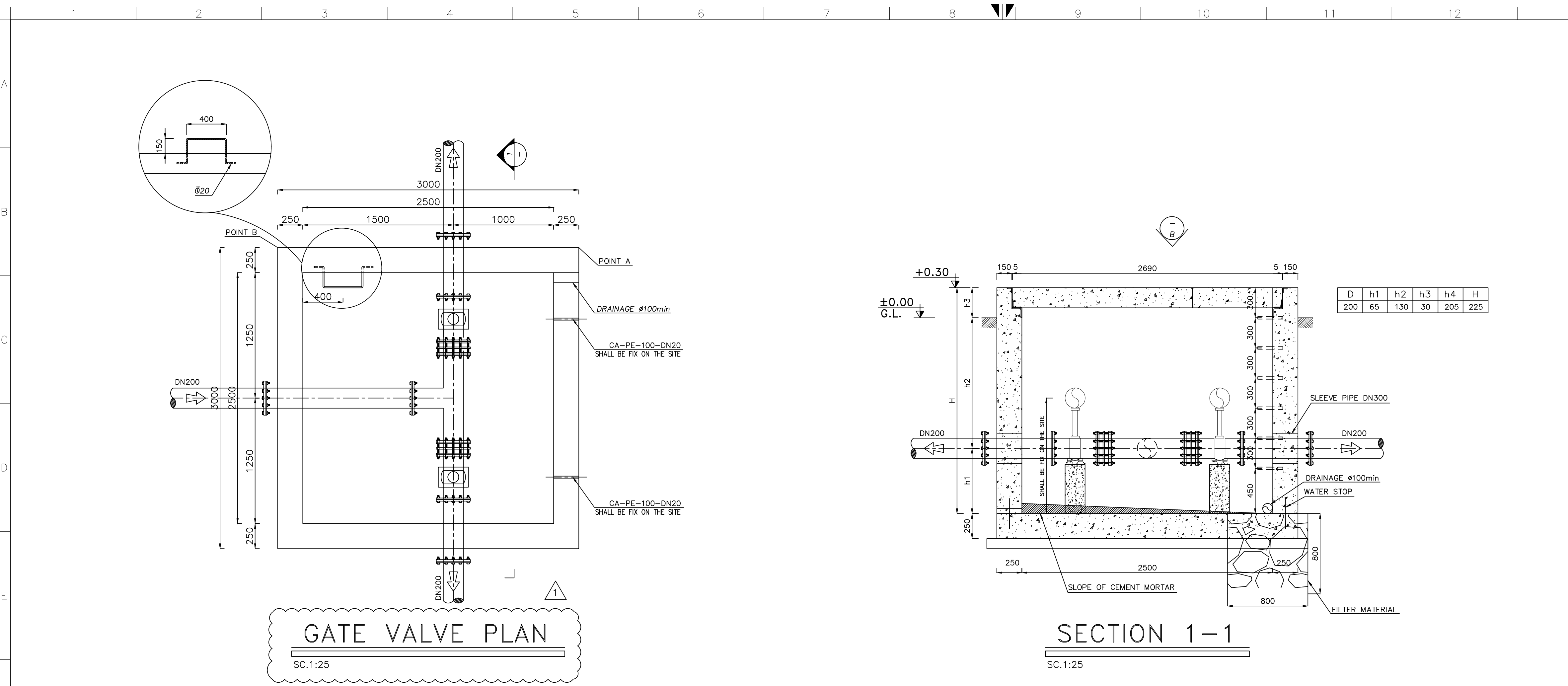
REGION CODE	PROJECT CODE	SUB PHASE CODE	AREA CODE	UNIT CODE	DOC TYPE CODE	DISCIPLINE CODE	SERIAL NO	REV	SIZE	SHEET
S	SM01	D	BOP	WWTP	DWG	CV	204	0	A1	1/1

Rev.	DESCRIPTION	Prepared	Checked	Approved	Date
0	FIRST ISSUE	J.MALEKIAN	AH.KOSARIEH	A.MONFARED	1405.02.13

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1	AS SHOWN	J.MALEKIAN	AH.KOSARIEH	A.MONFARED	1405.03.17
0	FIRST ISSUE	J.MALEKIAN	AH.KOSARIEH	A.MONFARED	1405.02.22
Rev.	DESCRIPTION	Prepared	Checked	Approved	Date

REFERENCE DOCUMENTS

No.

LEGEND :

LOCATION POINT

NAME	POINT	X	Y
JUNCTION-4	A	3017.284	21295.128
	B	3014.284	21295.128

NOTES :

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.

KEY PLAN

for TENDER DOCUMENT

CLIENT:

شركت توسعه آهن 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	1405.02.22	--	S-SM01-D-BOP-WWTP-DWG-CV-206
Checked:	AH.KOSARIEH	1405.02.22	--	PROJECT NO.: 157DCGU1020206-01
Designed:	J.MALEKIAN	1405.02.22	--	SCALE 1:1000 DOC CLASS NO.: --

PROJECT:

GATE VALVE DN200

DRAWING TITLE:

GATE VALVE 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
S	SM01	D	BOP	WWTP	DWG	CV	206	1	A1	1/1