

GA-DWG-GE-10-0000**DRAWINGS**

10-10-2022	0	First edition	FPG	MJG
DATE	REVISION	AIM OF REVISION	DRAWN UP BY	CHECKED BY

Comments

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GENERAL PLANS

GA-DWG-GE-10-0001 GENERAL PLAN DEWATERING FACILITY

CURRENT STAGE

PROCESS DIAGRAMS

GA-DWG-PR-10-0010 P&ID (CURRENT STAGE)

CIVIL WORK

GA-DWG-CW-10-0011 DEWATERING FACILITY PLAN. GEOMETRIC DEFINITION (CURRENT STAGE)

GA-DWG-CW-10-0012 DEWATERING FACILITY SECTION A. GEOMETRIC DEFINITION (CURRENT STAGE)

GA-DWG-CW-10-0013 DEWATERING FACILITY SECTION B. GEOMETRIC DEFINITION (CURRENT STAGE)

GA-DWG-CW-10-0014 DEWATERING FACILITY SECTION C. GEOMETRIC DEFINITION (CURRENT STAGE)

MECHANICAL EQUIPMENTS

GA-DWG-ME-10-0011 DEWATERING FACILITY PLAN. MECHANICAL EQUIPMENT (CURRENT STAGE)

GA-DWG-ME-10-0012 DEWATERING FACILITY SECTION A. MECHANICAL EQUIPMENT (CURRENT STAGE)

GA-DWG-ME-10-0013 DEWATERING FACILITY SECTION B. MECHANICAL EQUIPMENT (CURRENT STAGE)

GA-DWG-ME-10-0014 DEWATERING FACILITY SECTION C. MECHANICAL EQUIPMENT (CURRENT STAGE)

FIRST EXTENSION STAGE

PROCESS DIAGRAMS

GA-DWG-PR-10-0020 P&ID (FIRST EXTENSION STAGE)

CIVIL WORK

GA-DWG-CW-10-0021 DEWATERING FACILITY PLAN. GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)

GA-DWG-CW-10-0022 DEWATERING FACILITY SECTION A. GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)

GA-DWG-CW-10-0023 DEWATERING FACILITY SECTION B. GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)

GA-DWG-CW-10-0024 DEWATERING FACILITY SECTION C. GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)

MECHANICAL EQUIPMENTS

GA-DWG-ME-10-0021 DEWATERING FACILITY PLAN. MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

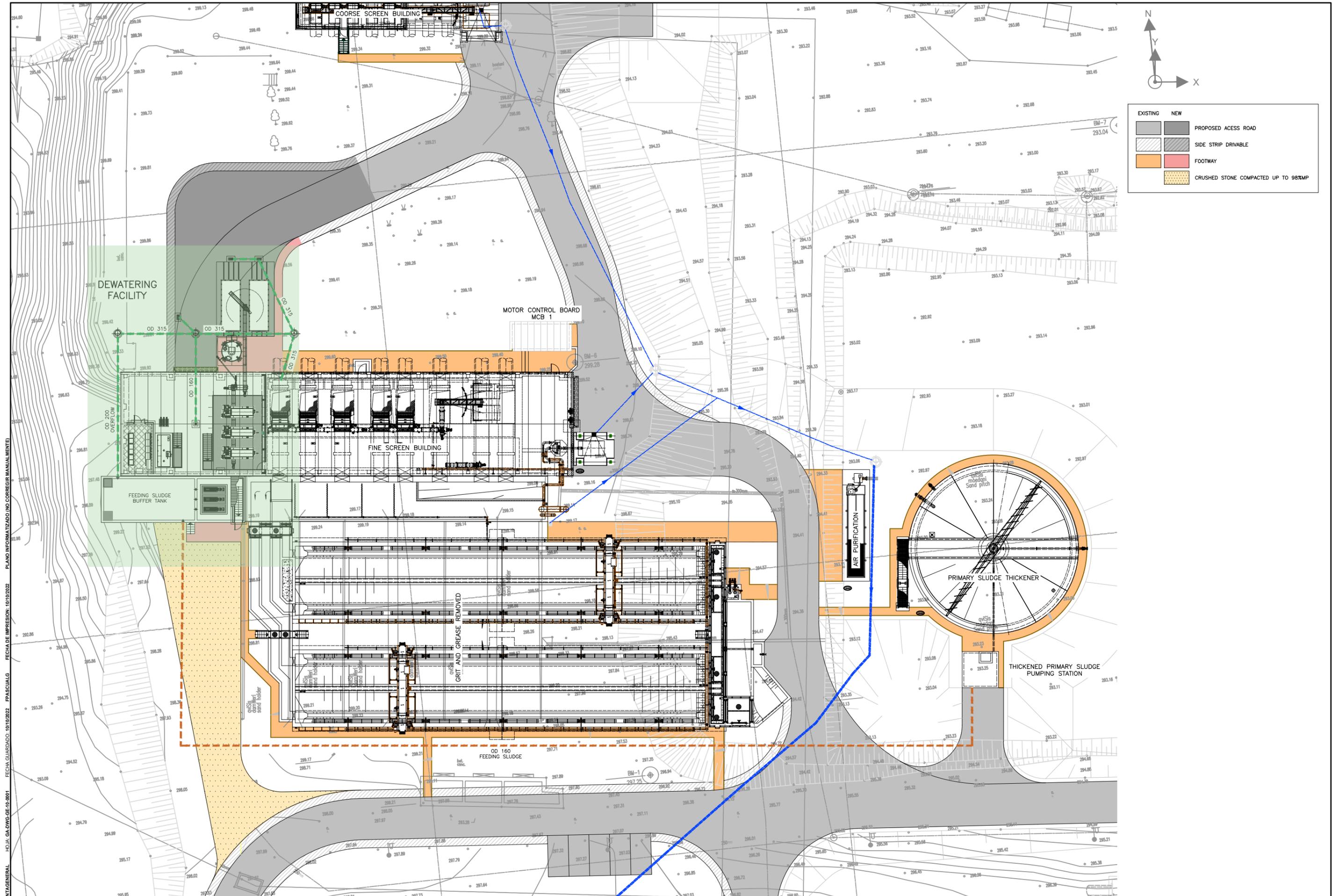
GA-DWG-ME-10-0022 DEWATERING FACILITY SECTION A. MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

GA-DWG-ME-10-0023 DEWATERING FACILITY SECTION B. MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

GA-DWG-ME-10-0024 DEWATERING FACILITY SECTION C. MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

ELECTRICITY

GA-DWG-EE-10-0001 SINGLE LINE DIAGRAM. MCC



N
Y
X

EXISTING	NEW	
		PROPOSED ACCESS ROAD
		SIDE STRIP DRIVABLE
		FOOTWAY
		CRUSHED STONE COMPACTED UP TO 98%MP

FICHERO: 06 GE PLANT GENERAL H.C.A. GA-DWG-GE-10-0001 FECHA DE IMPRESION: 10/10/2022 #PASCUALG PLANO INFORMATIZADO (NO CORREGIR MANUALMENTE)

BIDDERS

PROJECT
SLUDGE DEWATERING IN GARDABANI (GEORGIA)

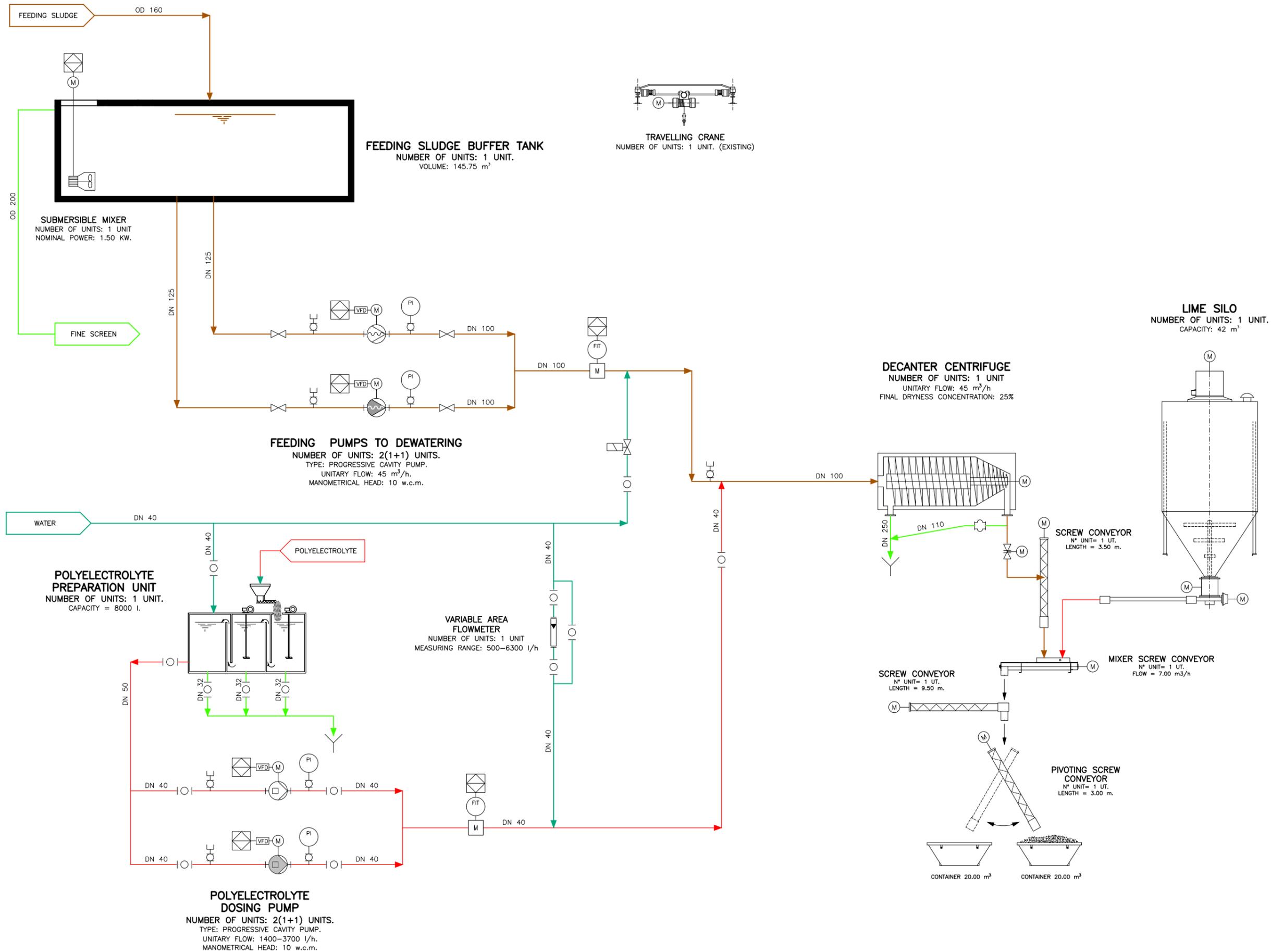
DATE
 OCTOBER 2022

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TITLE
GENERAL PLAN DEWATERING FACILITY

SCALES (DIN A1)
 1:200
 DRAWING NUMBER:
 GA-DWG-GE-10-0001

FICHERO: 00_PR-DIAGRAMAS FUNCIONAMIENTO_H2A_GA-DWG-PR-10-0010_FECHA GUARDADO: 07/10/2022 #PASCUALG #FECHA DE IMPRESION: 10/10/2022 #PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



PROJECT
SLUDGE DEWATERING IN GARDABANI
(GEORGIA)

DATE
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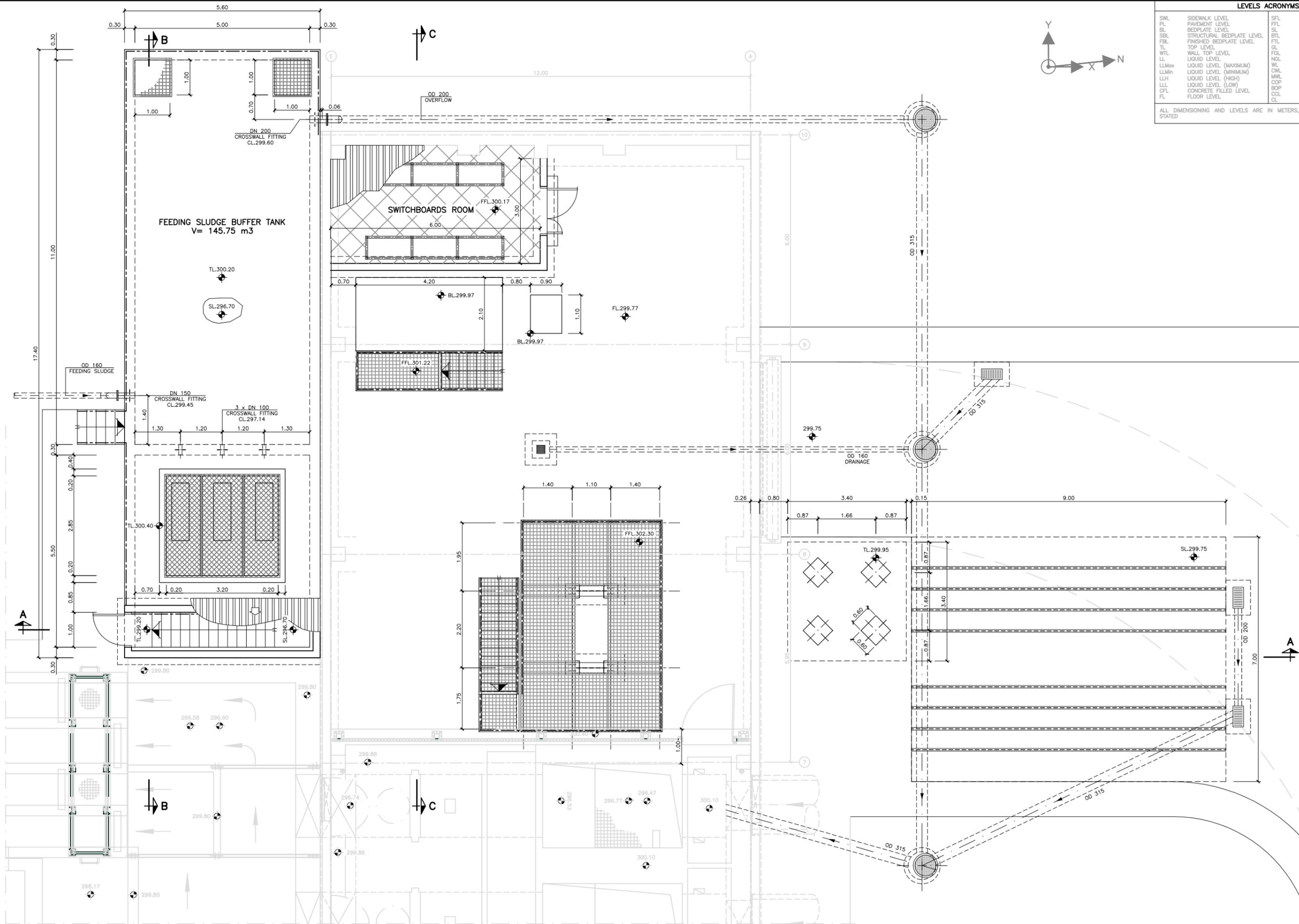
TITLE
P&ID
(CURRENT STAGE)

SCALES (DIN A1)
S/E
DRAWING NUMBER:
GA-DWG-PR-10-0010

LEVELS ACRONYMS

SWL	SIDEWALK LEVEL	SFL	STRUCTURAL FLOOR LEVEL
PL	PAVEMENT LEVEL	FFL	FINISHED FLOOR LEVEL
BL	BEDPLATE LEVEL	SL	SLAB LEVEL
SBL	STRUCTURAL BEDPLATE LEVEL	FTL	FOUNDATION TOP LEVEL
FBL	FINISHED BEDPLATE LEVEL	FTL	FOUNDATION TOP LEVEL
TL	TOP LEVEL	GL	GROUND LEVEL
WTL	WALL TOP LEVEL	FGL	FINISHED GROUND LEVEL
LL	LIQUID LEVEL	NGL	NATURAL GROUND LEVEL
LLMax	LIQUID LEVEL (MAXIMUM)	WL	WEIR LEVEL
LLMin	LIQUID LEVEL (MINIMUM)	CWL	CONCRETE WEIR LEVEL
LLH	LIQUID LEVEL (HIGH)	MWL	METALLIC WEIR LEVEL
LLL	LIQUID LEVEL (LOW)	COP	CENTER LINE OF PIPE
CPL	CONCRETE FILLED LEVEL	BOP	BOTTOM OF PIPE
FL	FLOOR LEVEL	CCL	CONCRETE CORBEL LEVEL
		CL	CENTER LINE

ALL DIMENSIONING AND LEVELS ARE IN METERS, EXCEPT WHEN EXPRESSLY STATED



PLAN
SCALE 1:50

BIDDERS

PROJECT
SLUDGE DEWATERING IN GARDABANI (GEORGIA)

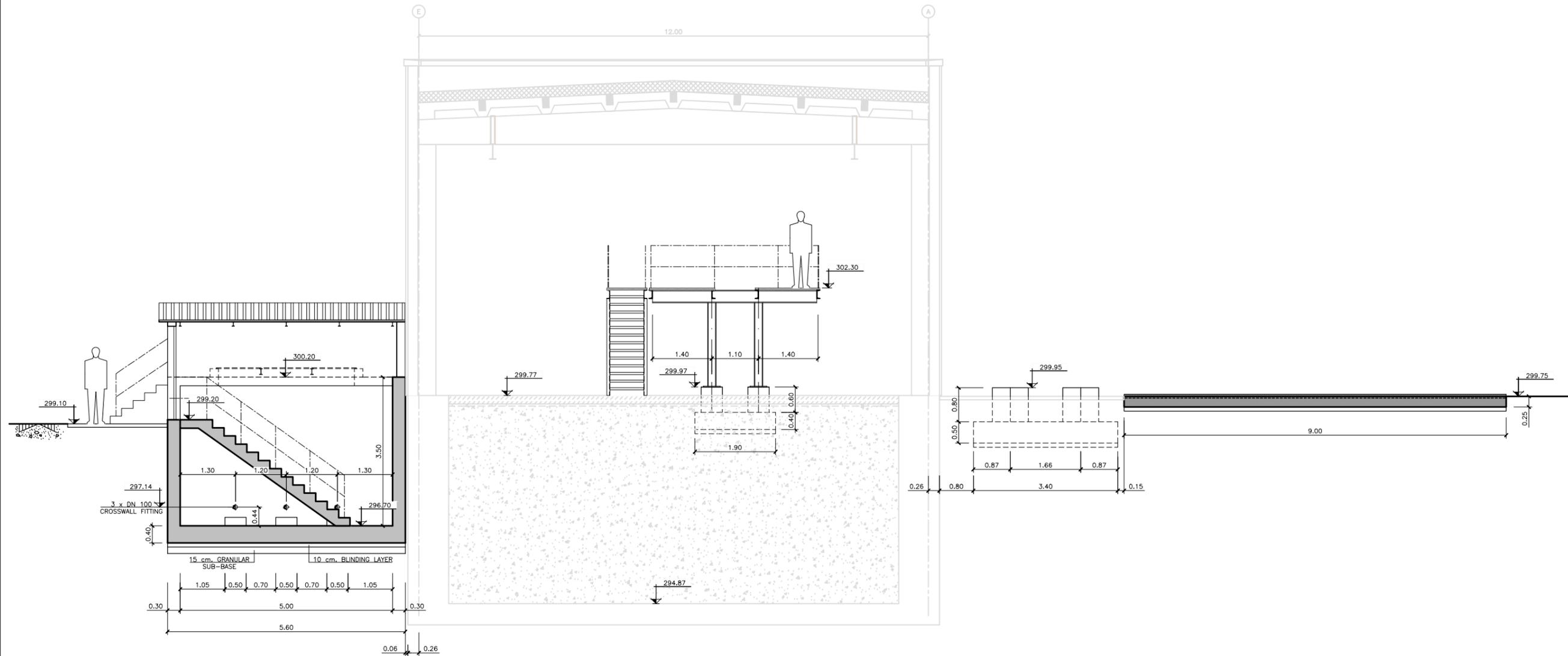
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TITLE
DEWATERING FACILITY PLAN
GEOMETRIC DEFINITION (CURRENT STAGE)

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0011

FICHERO: 30_MEFEDFODESHDRATACION_HOJA_GA-DWG-CW-10-0012_FECHA_GUARDADO: 10/10/2022_FASCUAL G_FECHA DE IMPRESION: 10/10/2022_PLANO INFORMATIZADO (NO CORREGIR MANUALMENTE)



SECTION A-A
SCALE 1:50



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

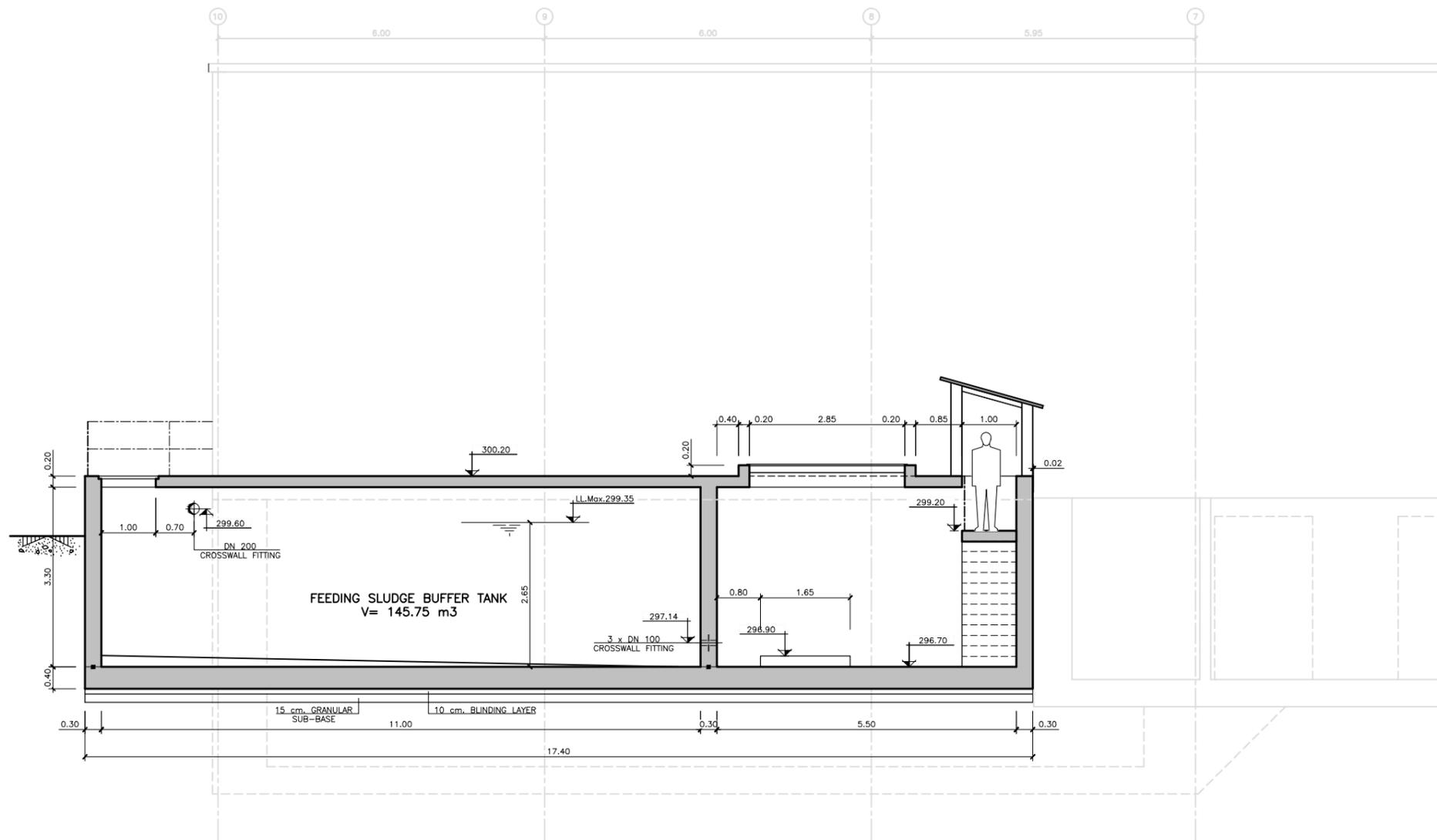
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TITLE
**DEWATERING FACILITY
SECTION A
GEOMETRIC DEFINITION (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0012

FICHERO: 30_MEFEPDESDEHIDRATACION_HOJA_GA-DWG-CW-10-0013_FECHA_GUARDADO: 10/10/2022_FASCUAL_G_FECHA DE IMPRESION: 10/10/2022_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



SECTION B-B
SCALE 1:50



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

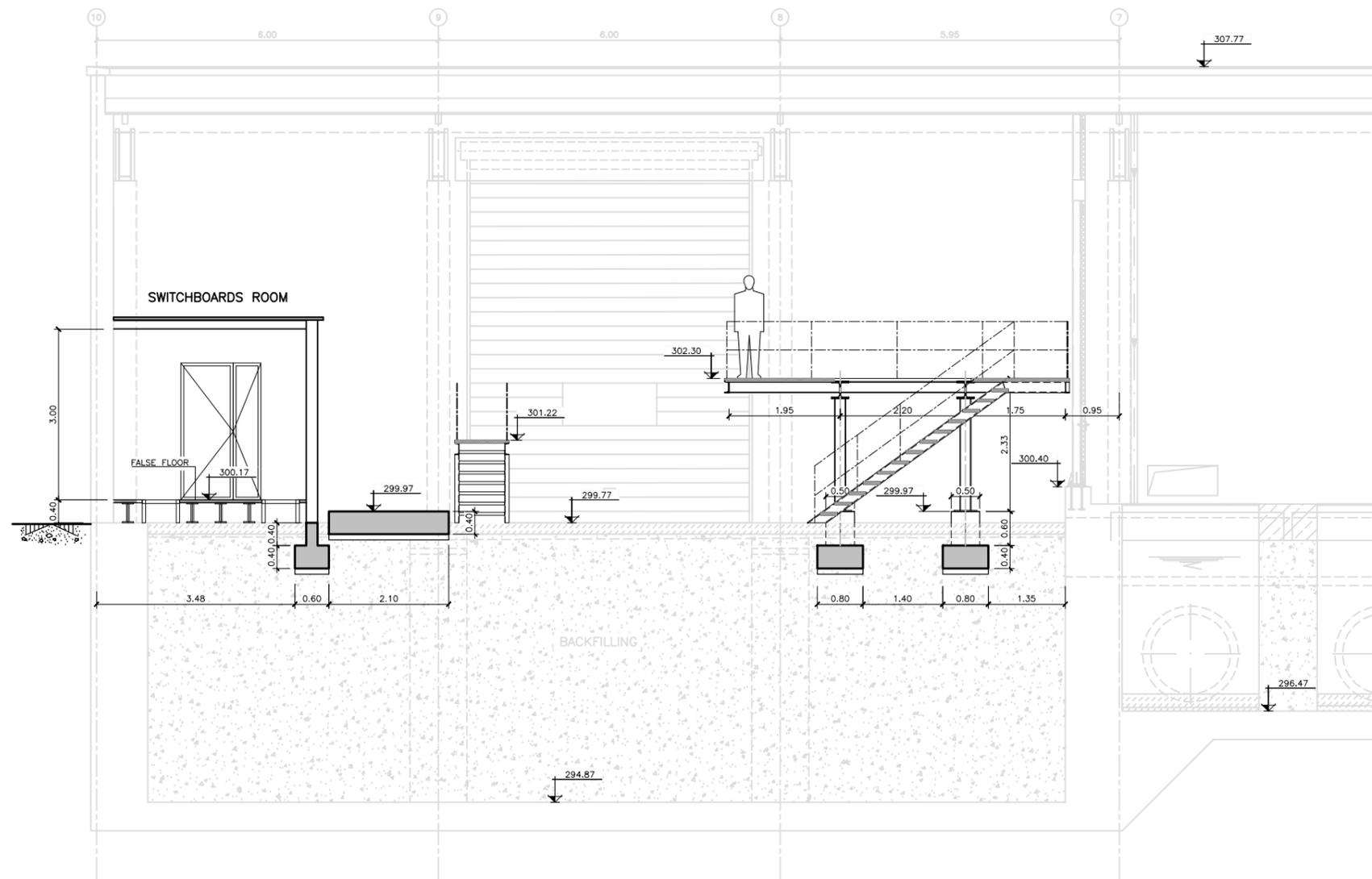
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TITLE
**DEWATERING FACILITY
SECTION B
GEOMETRIC DEFINITION (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0013

FICHERO: 30_MEFEP/GEDES/DESHIDRATACION_HOJA_GA-DWG-CW-10-0014 FECHA GUARDADO: 10/10/2022 #PASCUAL G FECHA DE IMPRESION: 10/10/2022 PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



SECTION C-C
SCALE 1:50



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

DATE
**OCTOBER
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TITLE
**DEWATERING FACILITY
SECTION C
GEOMETRIC DEFINITION (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0014

FICHERO: 30_ME_EDFCODESHIDRATACION_HOJA_GA-DWG-ME-10-0011_FECHA_GUARDADO: 10/10/2022_IPASCUJALG_FECHA DE IMPRESION: 10/10/2022_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)

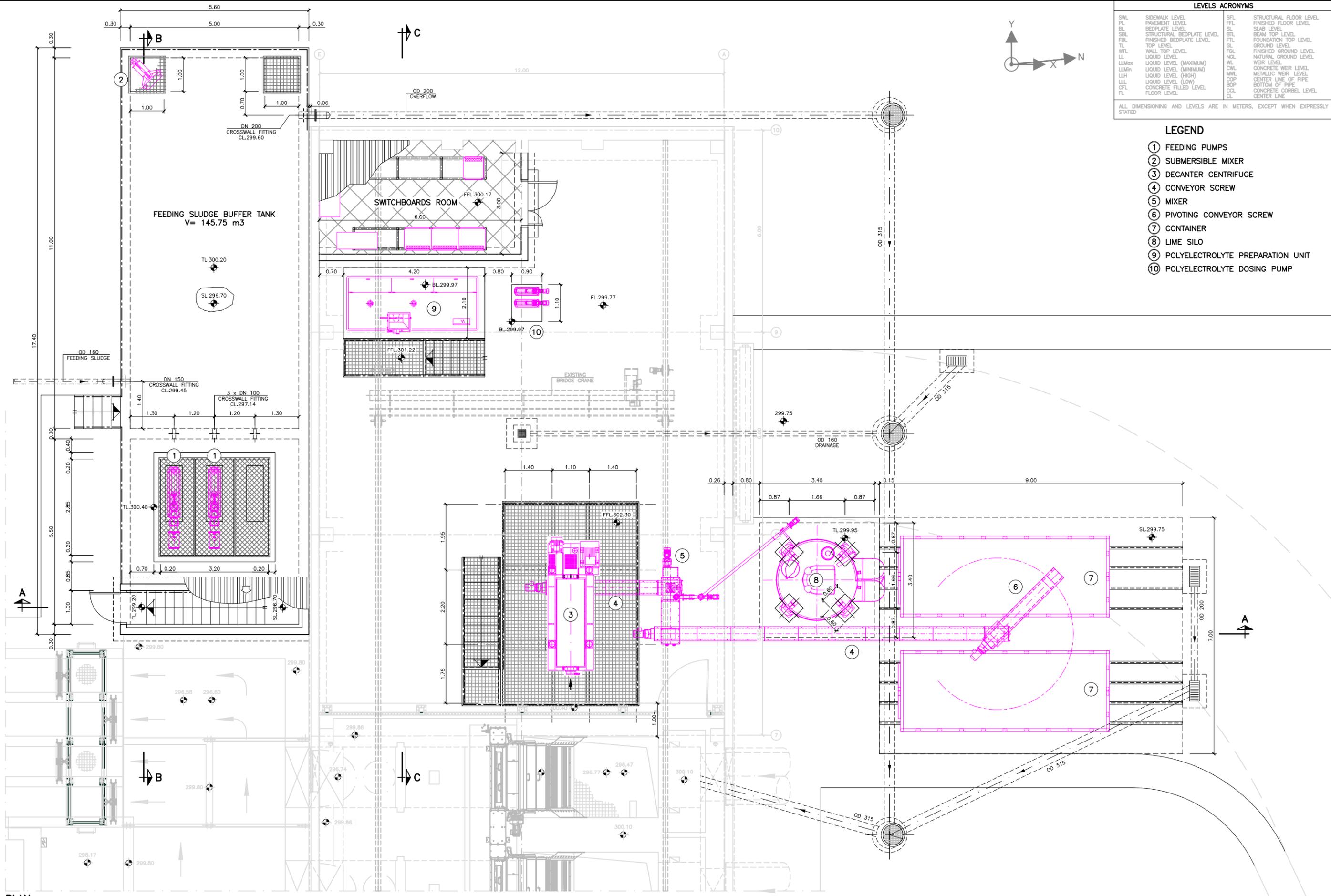
LEVELS ACRONYMS

SWL	SIDEWALK LEVEL	SFL	STRUCTURAL FLOOR LEVEL
PL	PAVEMENT LEVEL	FFL	FINISHED FLOOR LEVEL
BL	BEDPLATE LEVEL	SL	SLAB LEVEL
SBL	STRUCTURAL BEDPLATE LEVEL	BTL	BEAM TOP LEVEL
FBL	FINISHED BEDPLATE LEVEL	FTL	FOUNDATION TOP LEVEL
TL	TOP LEVEL	GL	GROUND LEVEL
WTL	WALL TOP LEVEL	FGL	FINISHED GROUND LEVEL
LL	LIQUID LEVEL	NGL	NATURAL GROUND LEVEL
LLMax	LIQUID LEVEL (MAXIMUM)	WL	WEIR LEVEL
LLMin	LIQUID LEVEL (MINIMUM)	CWL	CONCRETE WEIR LEVEL
LLH	LIQUID LEVEL (HIGH)	MWL	METALLIC WEIR LEVEL
LLL	LIQUID LEVEL (LOW)	COP	CENTER LINE OF PIPE
CPL	CONCRETE FILLED LEVEL	SOP	BOTTOM OF PIPE
FL	FLOOR LEVEL	CCL	CONCRETE CORBEL LEVEL
		CL	CENTER LINE

ALL DIMENSIONING AND LEVELS ARE IN METERS, EXCEPT WHEN EXPRESSLY STATED

LEGEND

- ① FEEDING PUMPS
- ② SUBMERSIBLE MIXER
- ③ DECANTER CENTRIFUGE
- ④ CONVEYOR SCREW
- ⑤ MIXER
- ⑥ PIVOTING CONVEYOR SCREW
- ⑦ CONTAINER
- ⑧ LIME SILO
- ⑨ POLYELECTROLYTE PREPARATION UNIT
- ⑩ POLYELECTROLYTE DOSING PUMP



PLAN
SCALE 1:50

BIDDERS

PROJECT
SLUDGE DEWATERING IN GARDABANI (GEORGIA)

DATE
OCTOBER 2022

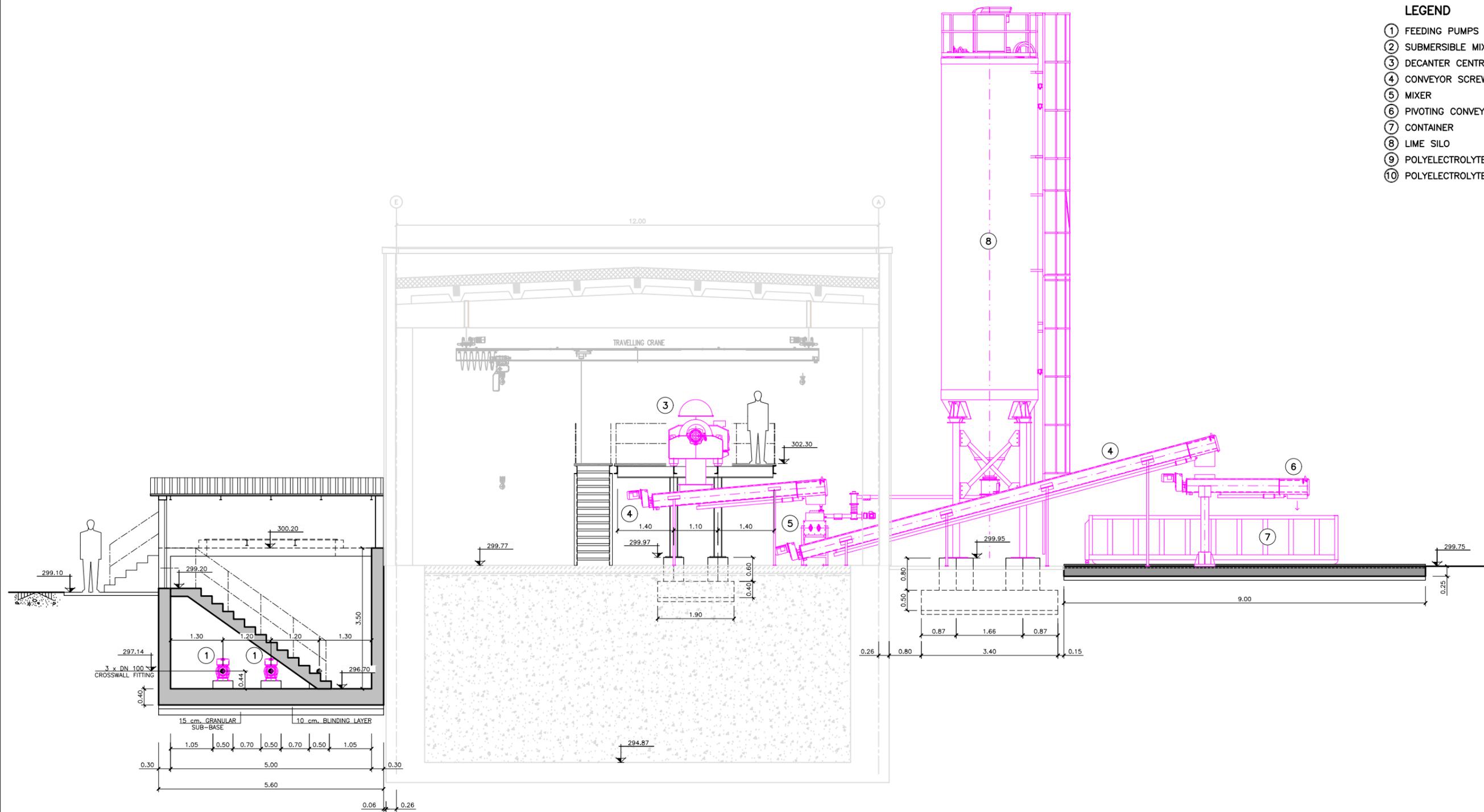
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TITLE
**DEWATERING FACILITY
MECHANICAL EQUIPMENT (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0011

FICHERO: 30_ME-EDF-CODESHIDRATACION_HOJA_GA-DWG-ME-10-0012_FECHA_GUARDADO: 10/10/2022_IPASCUALG_FECHA DE IMPRESION: 10/10/2022_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)

- LEGEND**
- ① FEEDING PUMPS
 - ② SUBMERSIBLE MIXER
 - ③ DECANTER CENTRIFUGE
 - ④ CONVEYOR SCREW
 - ⑤ MIXER
 - ⑥ PIVOTING CONVEYOR SCREW
 - ⑦ CONTAINER
 - ⑧ LIME SILO
 - ⑨ POLYELECTROLYTE PREPARATION UNIT
 - ⑩ POLYELECTROLYTE DOSING PUMP



SECTION A-A
SCALE 1:50



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

DATE
**OCTOBER
2022**

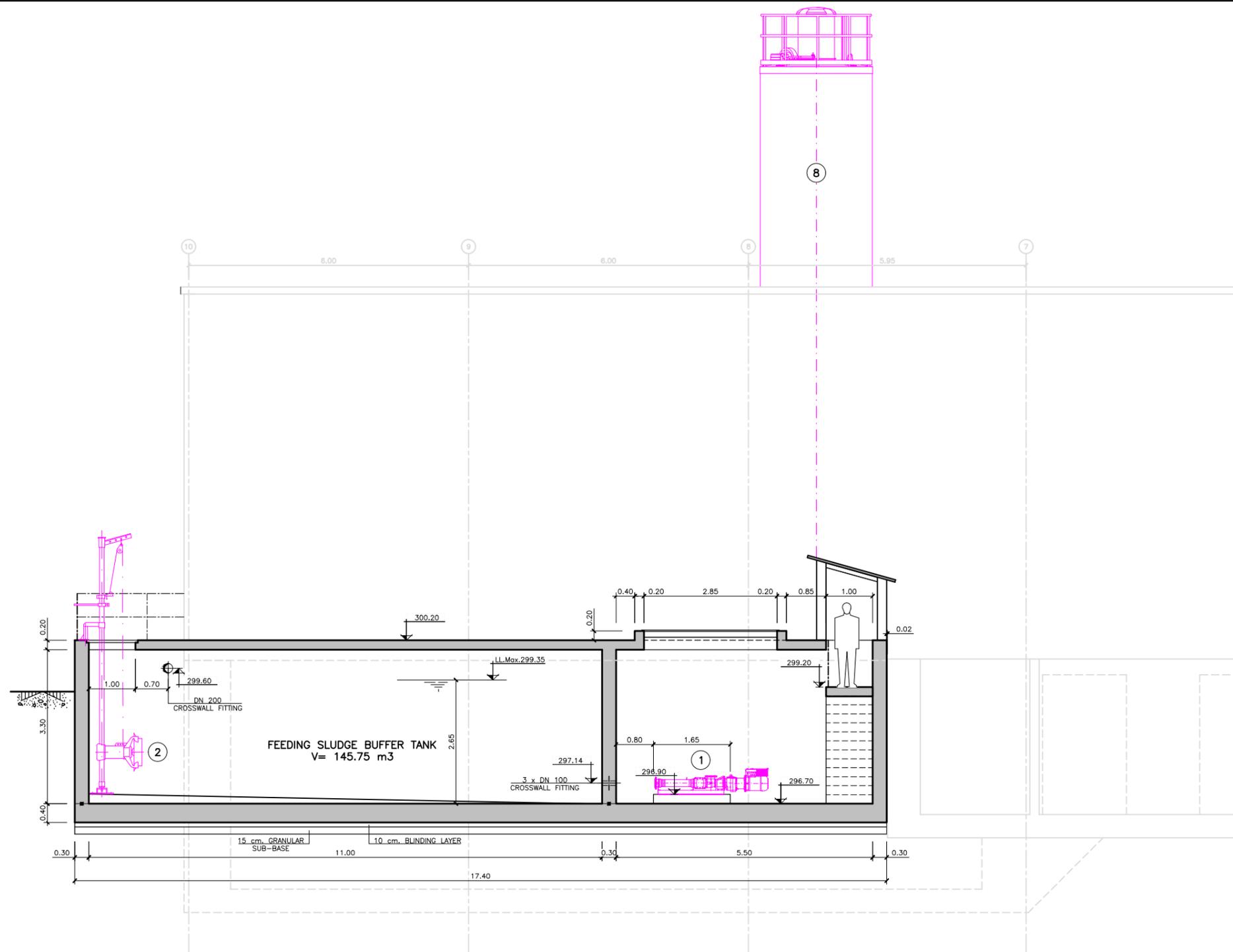
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TITLE
**DEWATERING FACILITY
SECTION A
MECHANICAL EQUIPMENT (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0012

LEGEND

- ① FEEDING PUMPS
- ② SUBMERSIBLE MIXER
- ③ DECANTER CENTRIFUGE
- ④ CONVEYOR SCREW
- ⑤ MIXER
- ⑥ PIVOTING CONVEYOR SCREW
- ⑦ CONTAINER
- ⑧ LIME SILO
- ⑨ POLYELECTROLYTE PREPARATION UNIT
- ⑩ POLYELECTROLYTE DOSING PUMP



SECTION B-B
SCALE 1:50

FICHERO: 30_ME_EBPFCODESHIDRATACION_HOJA_GA-DWG-ME-10-0013_FECHA GUARDADO: 10/10/2022 #PASCUALG FECHA DE IMPRESION: 10/10/2022 PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

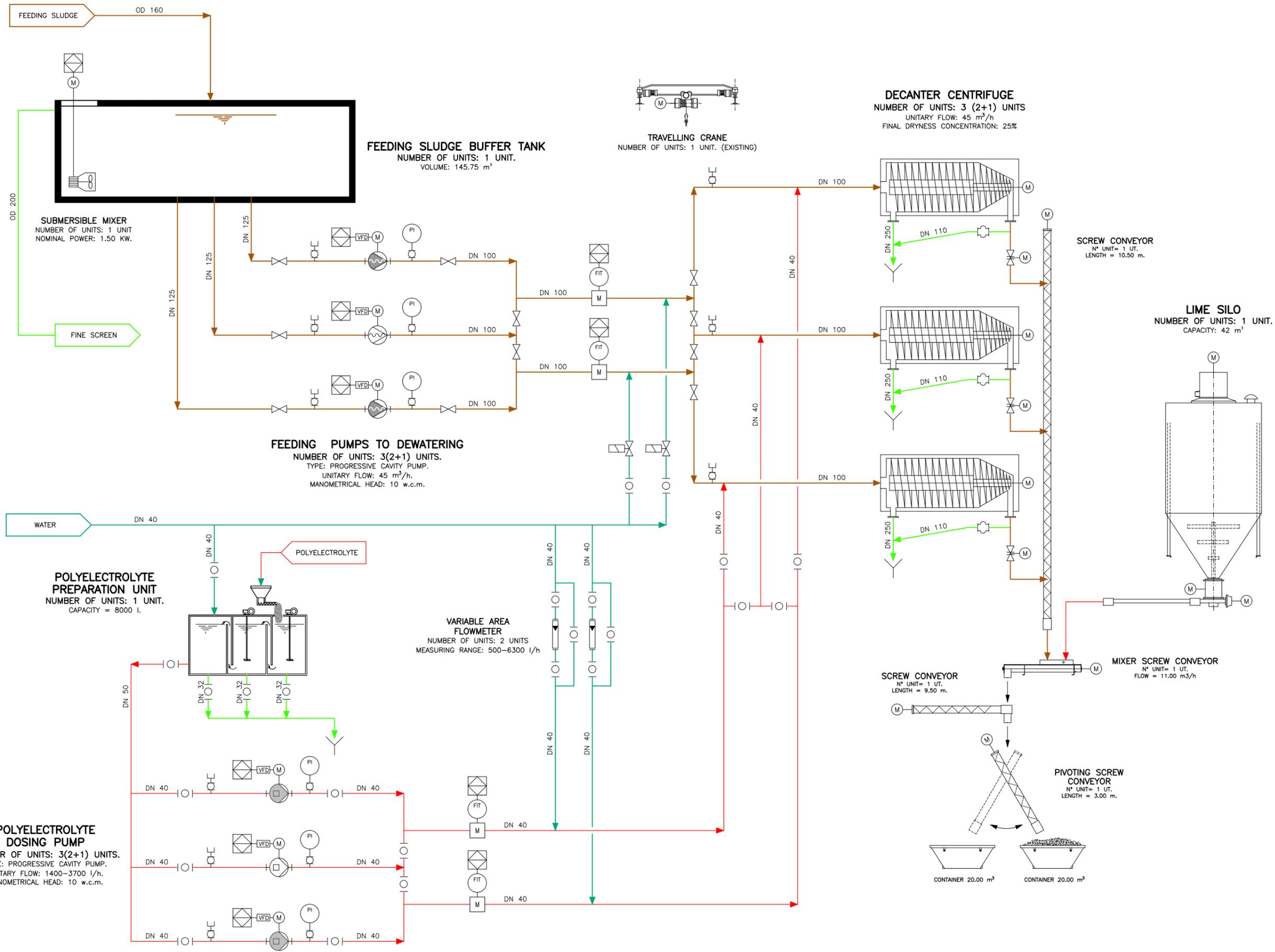
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TITLE
**DEWATERING FACILITY
SECTION B
MECHANICAL EQUIPMENT (CURRENT STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0013

FICHERO: 00_PR-DIAGRAMAS FUNCIONAMIENTO HUAJ GA-DWG-PR-10-0020 FECHA GUARDADO: 07/10/2022 #PASCUALG FECHA DE IMPRESION: 10/10/2022 PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



PROJECT
 SLUDGE DEWATERING IN GARDABANI
 (GEORGIA)

DATE
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 2022

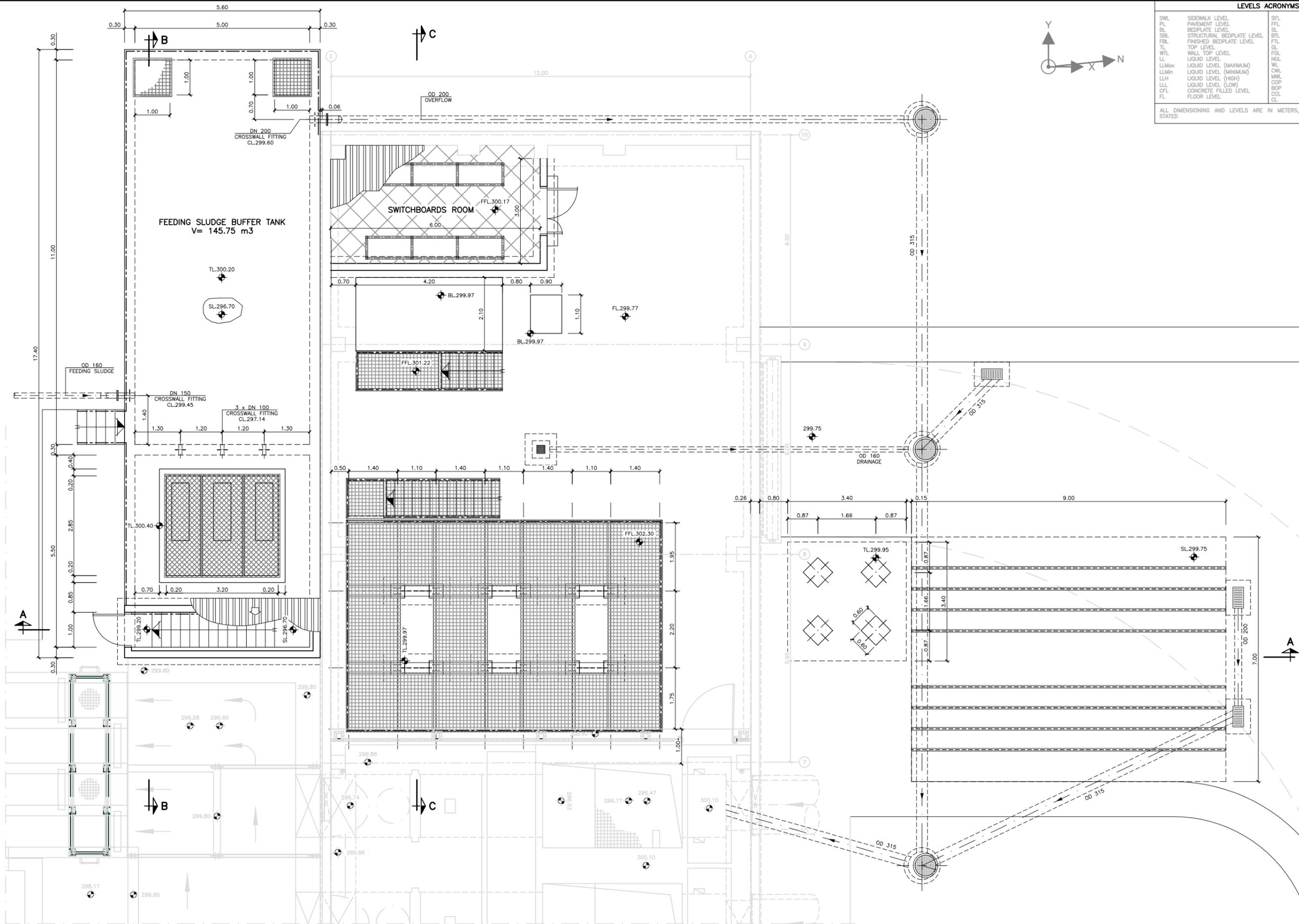
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TITLE
 P&ID
 (FIRST EXTENSION STAGE)

SCALES (DIN A1) S/E
DRAWING NUMBER:
 GA-DWG-PR-10-0020

LEVELS ACRONYMS			
SWL	SIDEWALK LEVEL	SFL	STRUCTURAL FLOOR LEVEL
PL	PAVEMENT LEVEL	FFL	FINISHED FLOOR LEVEL
BL	BEDPLATE LEVEL	SL	SLAB LEVEL
SBL	STRUCTURAL BEDPLATE LEVEL	BTL	BEAM TOP LEVEL
FBL	FINISHED BEDPLATE LEVEL	FTL	FOUNDATION TOP LEVEL
TL	TOP LEVEL	GL	GROUND LEVEL
WTL	WALL TOP LEVEL	FGL	FINISHED GROUND LEVEL
LL	LIQUID LEVEL	NGL	NATURAL GROUND LEVEL
LLMax	LIQUID LEVEL (MAXIMUM)	WL	WEIR LEVEL
LLMin	LIQUID LEVEL (MINIMUM)	CWL	CONCRETE WEIR LEVEL
LLH	LIQUID LEVEL (HIGH)	MWL	METALLIC WEIR LEVEL
LLL	LIQUID LEVEL (LOW)	COP	CENTER LINE OF PIPE
CPL	CONCRETE FILLED LEVEL	BDP	BOTTOM OF PIPE
FL	FLOOR LEVEL	CCL	CONCRETE CORBEL LEVEL
		CL	CENTER LINE

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BIDDERS



PROJECT

SLUDGE DEWATERING IN GARDABANI (GEORGIA)

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TITLE

DEWATERING FACILITY PLAN
GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)

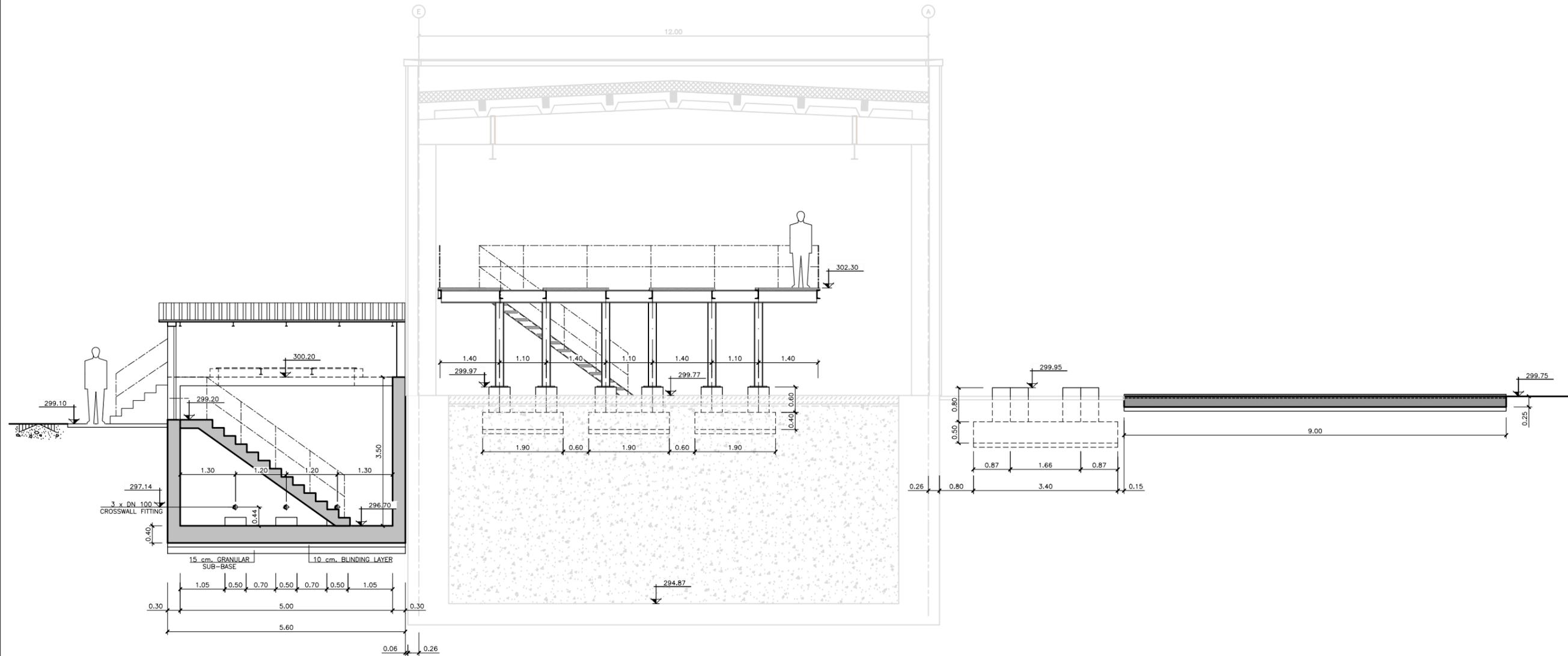
SCALES (DIN A1)

1:50

DRAWING NUMBER:

GA-DWG-CW-10-0021

FICHERO: 30_MEFEDFODESHDRATACION_HOJA_GA-DWG-CW-10-0022_FECHA_GUARDADO: 10/10/2022_FECHA DE IMPRESION: 10/10/2022_PPASCUALG_PLANO INFORMATIZADO (NO CORREGIR MANUALMENTE)



SECTION A-A
SCALE 1:50



PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

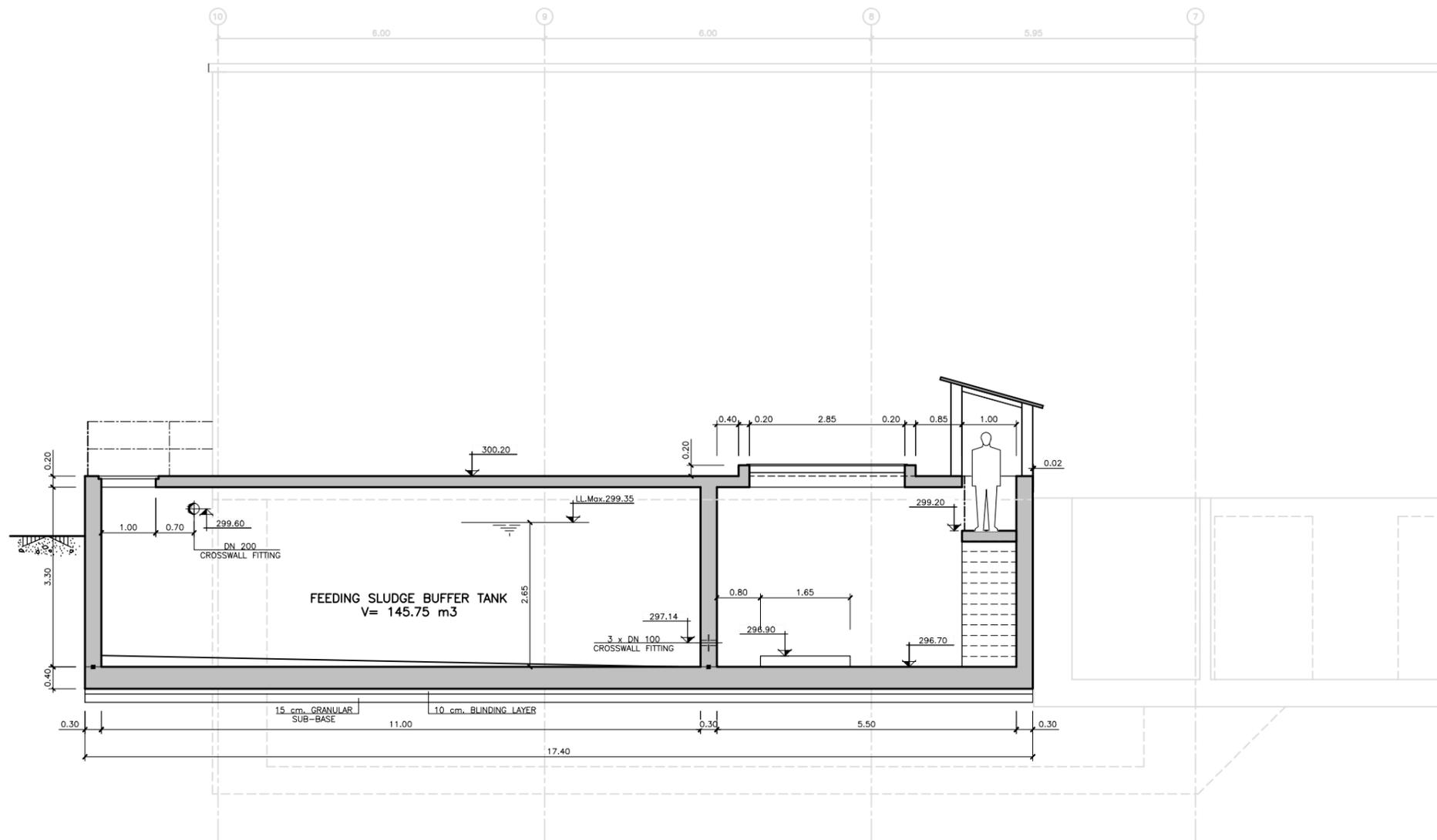
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TITLE
**DEWATERING FACILITY
SECTION A
GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0022

FICHERO: 30_MEFEPDESDEHIDRATACION_HOJA_GA-DWG-CW-10-0023_FECHA_GUARDADO: 10/10/2022_FASCUAL_G_FECHA DE IMPRESION: 10/10/2022_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



SECTION B-B
SCALE 1:50

BIDDERS



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TITLE
**DEWATERING FACILITY
SECTION B
GEOMETRIC DEFINITION (FIRST EXTENSION STAGE)**

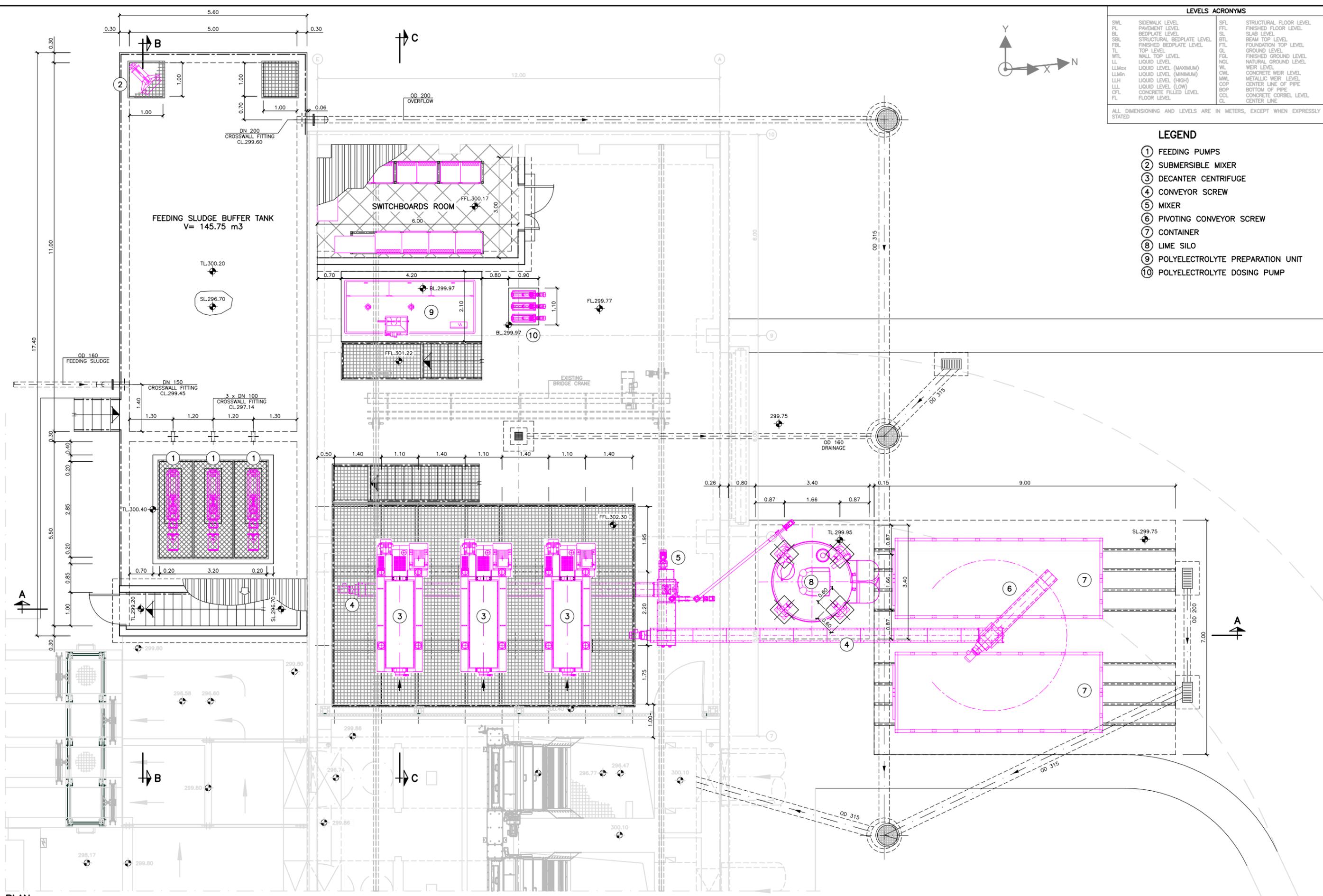
SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-CW-10-0023

FICHERO: 30_ME_EBP CODIFICACION HOJA: GA-DWG-ME-10-0021 FECHA GUARDADO: 10/10/2022 IPASCUALG FECHA DE IMPRESION: 10/10/2022 PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)

LEVELS ACRONYMS			
SWL	SIDWALK LEVEL	SFL	STRUCTURAL FLOOR LEVEL
PL	PAVEMENT LEVEL	FFL	FINISHED FLOOR LEVEL
BL	BEDPLATE LEVEL	SL	SLAB LEVEL
SBL	STRUCTURAL BEDPLATE LEVEL	BTL	BEAM TOP LEVEL
FBL	FINISHED BEDPLATE LEVEL	FTL	FOUNDATION TOP LEVEL
TL	TOP LEVEL	GL	GROUND LEVEL
WTL	WALL TOP LEVEL	FGL	FINISHED GROUND LEVEL
LL	LIQUID LEVEL	NGL	NATURAL GROUND LEVEL
LLMax	LIQUID LEVEL (MAXIMUM)	WL	WEIR LEVEL
LLMin	LIQUID LEVEL (MINIMUM)	CWL	CONCRETE WEIR LEVEL
LLH	LIQUID LEVEL (HIGH)	MWL	METALLIC WEIR LEVEL
LLL	LIQUID LEVEL (LOW)	COP	CENTER LINE OF PIPE
CPL	CONCRETE FILLED LEVEL	BOP	BOTTOM OF PIPE
FL	FLOOR LEVEL	CCL	CONCRETE CORBEL LEVEL
		CL	CENTER LINE

ALL DIMENSIONING AND LEVELS ARE IN METERS, EXCEPT WHEN EXPRESSLY STATED

- LEGEND**
- ① FEEDING PUMPS
 - ② SUBMERSIBLE MIXER
 - ③ DECANTER CENTRIFUGE
 - ④ CONVEYOR SCREW
 - ⑤ MIXER
 - ⑥ PIVOTING CONVEYOR SCREW
 - ⑦ CONTAINER
 - ⑧ LIME SILO
 - ⑨ POLYELECTROLYTE PREPARATION UNIT
 - ⑩ POLYELECTROLYTE DOSING PUMP



PLAN
SCALE 1:50

BIDDERS

PROJECT
SLUDGE DEWATERING IN GARDABANI (GEORGIA)

DATE
OCTOBER 2022

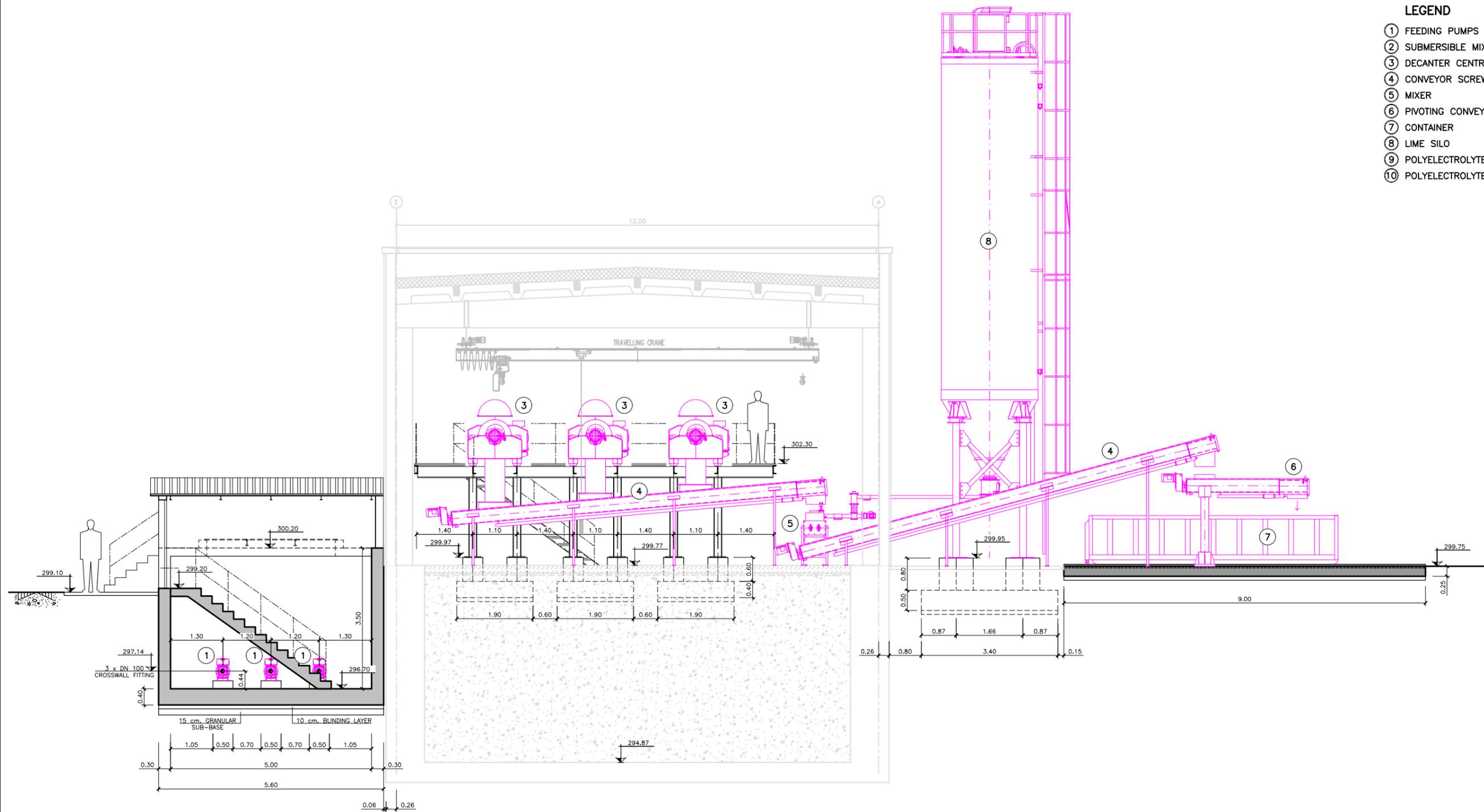
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TITLE
**DEWATERING FACILITY
MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0021

LEGEND

- ① FEEDING PUMPS
- ② SUBMERSIBLE MIXER
- ③ DECANTER CENTRIFUGE
- ④ CONVEYOR SCREW
- ⑤ MIXER
- ⑥ PIVOTING CONVEYOR SCREW
- ⑦ CONTAINER
- ⑧ LIME SILO
- ⑨ POLYELECTROLYTE PREPARATION UNIT
- ⑩ POLYELECTROLYTE DOSING PUMP



SECTION A-A
SCALE 1:50

FICHERO: 30_MEEBFCODESHIDRATACION_HOJA_GA-DWG-ME-10-0022_FECHA_GUARDADO: 10/10/2022_FECHA DE IMPRESION: 10/10/2022_IPASCUJALG_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



PROJECT
SLUDGE DEWATERING IN GARDABANI (GEORGIA)

DATE
OCTOBER 2022

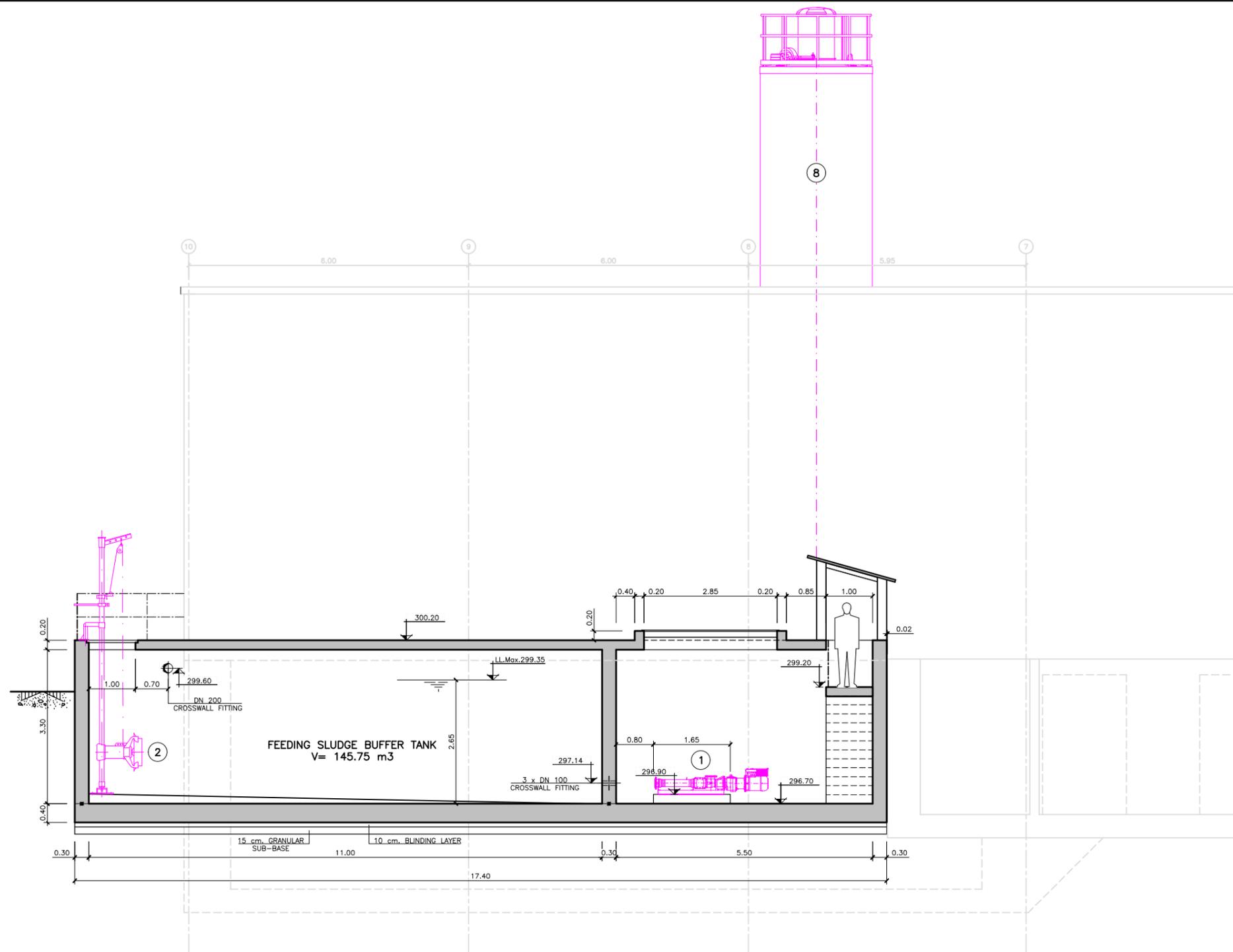
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TITLE
DEWATERING FACILITY SECTION A
MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0022

LEGEND

- ① FEEDING PUMPS
- ② SUBMERSIBLE MIXER
- ③ DECANTER CENTRIFUGE
- ④ CONVEYOR SCREW
- ⑤ MIXER
- ⑥ PIVOTING CONVEYOR SCREW
- ⑦ CONTAINER
- ⑧ LIME SILO
- ⑨ POLYELECTROLYTE PREPARATION UNIT
- ⑩ POLYELECTROLYTE DOSING PUMP



PROJECT
SLUDGE DEWATERING IN GARDABANI
(GEORGIA)

DATE
OCTOBER
2022

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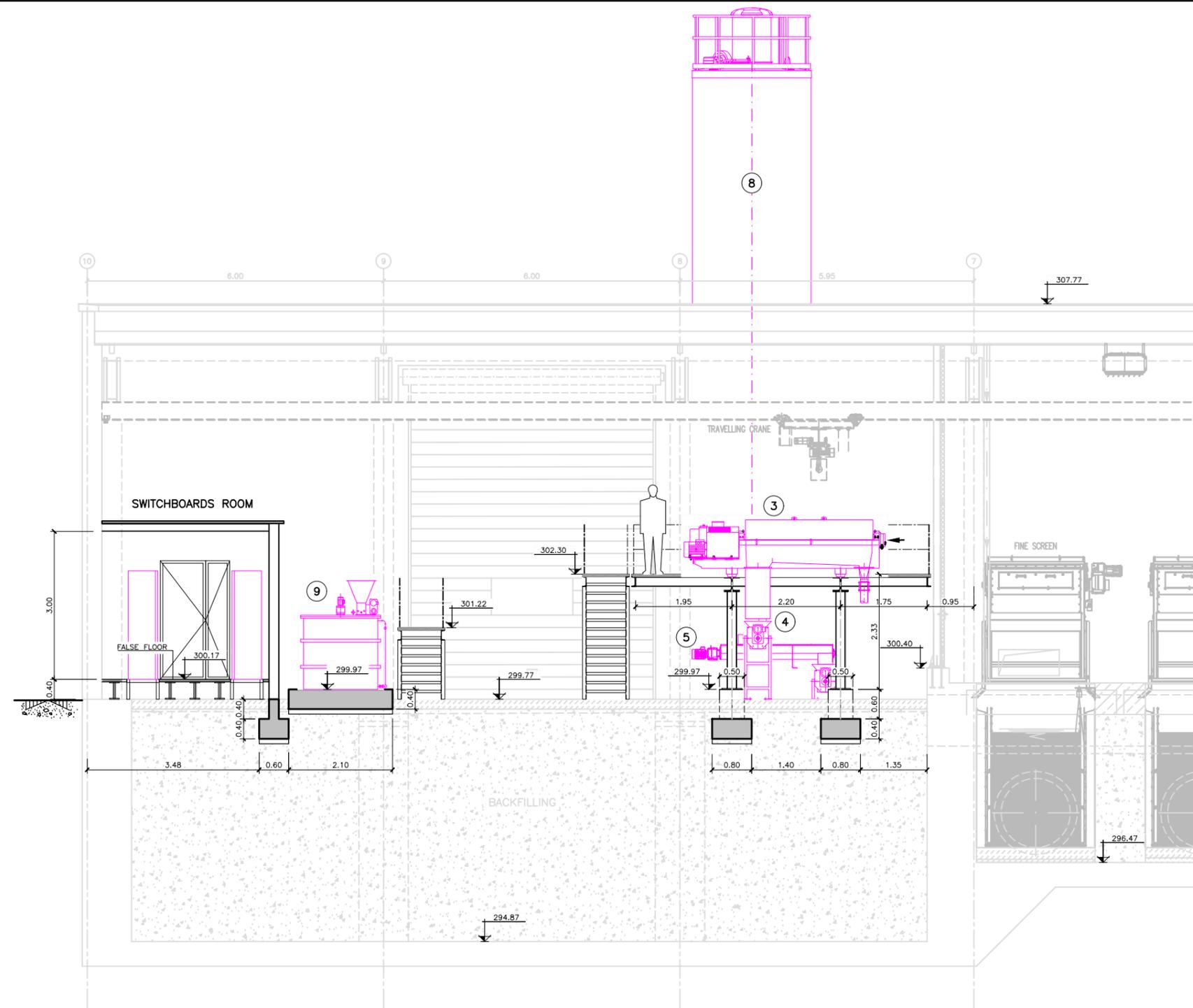
TITLE
DEWATERING FACILITY
SECTION B
MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)

SCALES (DIN A1)
 1:50
DRAWING NUMBER:
 GA-DWG-ME-10-0023

FICHERO: 30_ME_EBPFCODESDESHDRATACION_HOJA_GA-DWG-ME-10-0023_FECHA GUARDADO: 10/10/2022 #PASCUALG_FECHA DE IMPRESION: 10/10/2022 #PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)

LEGEND

- ① FEEDING PUMPS
- ② SUBMERSIBLE MIXER
- ③ DECANTER CENTRIFUGE
- ④ CONVEYOR SCREW
- ⑤ MIXER
- ⑥ PIVOTING CONVEYOR SCREW
- ⑦ CONTAINER
- ⑧ LIME SILO
- ⑨ POLYELECTROLYTE PREPARATION UNIT
- ⑩ POLYELECTROLYTE DOSING PUMP



SECTION C-C
SCALE 1:50

FICHERO: 30_ME_EBP CODIFICACION_HOJA: GA-DWG-ME-10-0024_FECHA GUARDADO: 10/10/2022_FECHA DE IMPRESION: 10/10/2022_PASCUALG_PLANO INFORMATIZADO (NO CORRIGIR MANUALMENTE)



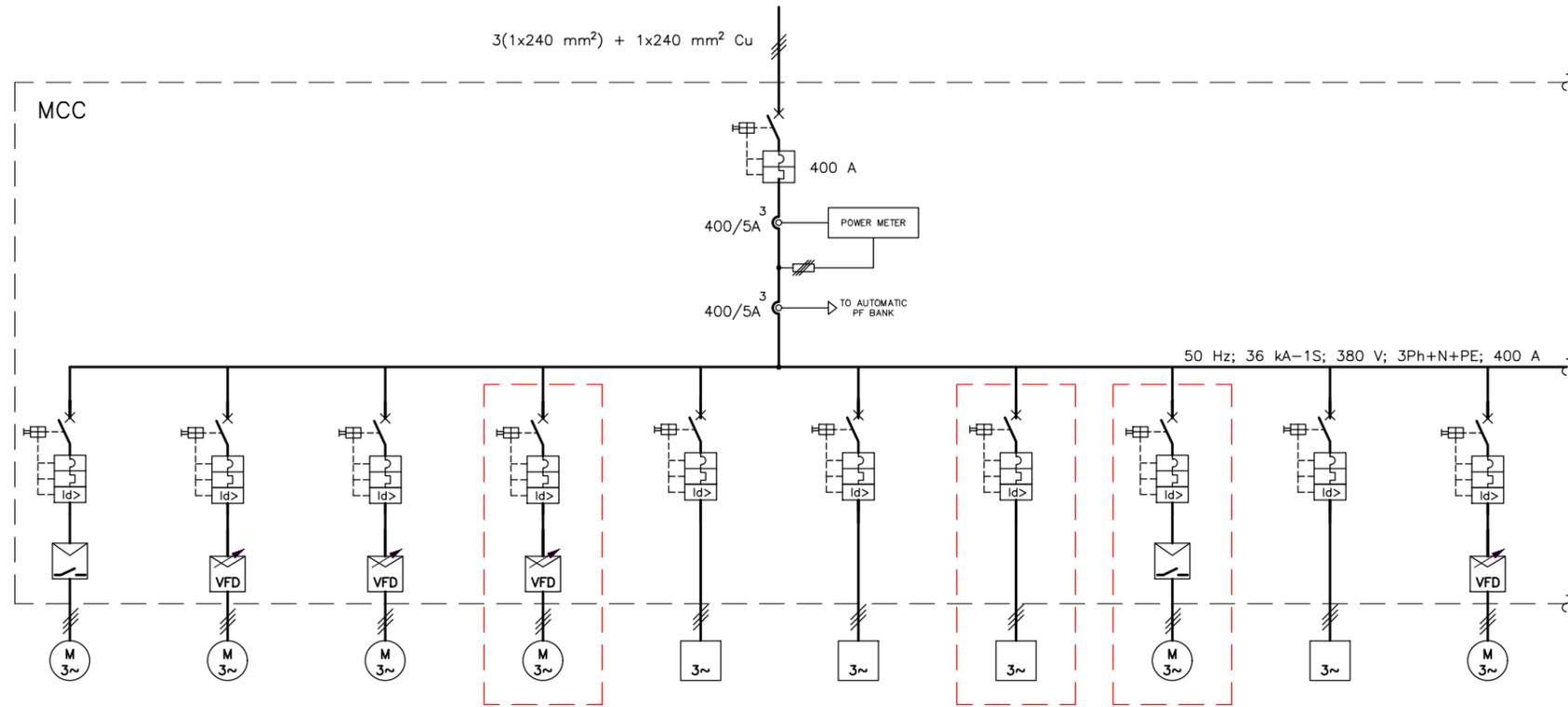
PROJECT
**SLUDGE DEWATERING IN GARDABANI
(GEORGIA)**

DATE
**OCTOBER
2022**

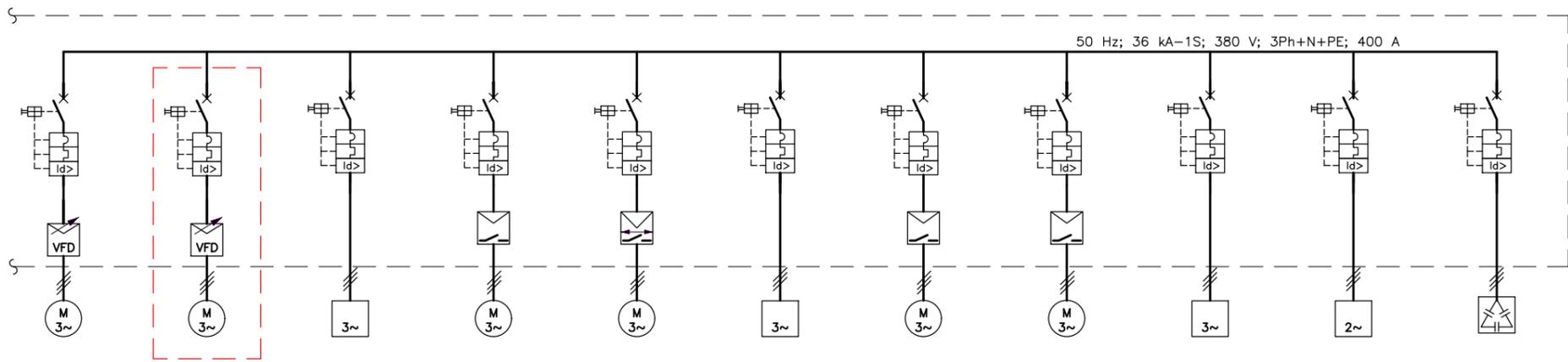
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TITLE
**DEWATERING FACILITY
SECTION C
MECHANICAL EQUIPMENT (FIRST EXTENSION STAGE)**

SCALES (DIN A1)
1:50
DRAWING NUMBER:
GA-DWG-ME-10-0024



LOAD TAG	A01	A02	A03	A04	A11	A12	A13	A14	A15	A16
LOAD DESCRIPTION	MIXER DIGESTED SLUDGE	DIGESTED SLUDGE PUMP TO DEWATERING 1	DIGESTED SLUDGE PUMP TO DEWATERING 2	DIGESTED SLUDGE PUMP TO DEWATERING 3	CENTRIFUGUE PANEL 1	CENTRIFUGUE PANEL 2	CENTRIFUGUE PANEL 3	SCREW CONVEYOR DEWATERED SLUDGE 1	COMPACT POLYELECTROLYTE AUTOMATIC PLANT 1	POLYELECTROLYTE SCREW PUMP 1
Power (kW)	1,5 kW	9,2 kW	9,2 kW	9,2 kW	60 kW	60 kW	60 kW	1,5 kW	2,03 kW	1,1 kW
Rated Current (A)	3,66 A	19,82 A	19,82 A	19,82 A	121 A	121 A	121 A	3,66 A	4,95 A	2,72 A
CB Rating (A)	16 A	25 A	25 A	25 A	160 A	160 A	160 A	16 A	16 A	16 A
Cable Composition	4x2,5 mm ²	3x4/4 mm ²	3x4/4 mm ²	3x4/4 mm ²	4x70 mm ²	4x70 mm ²	4x70 mm ²	4x2,5 mm ²	4x2,5 mm ²	3x2,5/2,5 mm ²
Length (m)	55 m	55 m	55 m	45 m	15 m	20 m	15 m	20 m	20 m	20 m
Total Voltage Drop (%)	1,03 %	2,58 %	2,79 %	3,01 %	0,91 %	0,92 %	0,93 %	1,32 %	1,54 %	1,22 %



LOAD TAG	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27
LOAD DESCRIPTION	POLYELECTROLYTE SCREW PUMP 2	POLYELECTROLYTE SCREW PUMP 3	LIME DOSING PANEL	SCREW CONVEYOR	SCREW CONVEYOR OSCILATING	ELECTRICAL ROOM HVAC	EXTERNAL AIR FAN 1	EXTERNAL AIR FAN 2	CONTROL PANEL	L&SP PANEL	AUTOMATIC CAPACITOR BANK
Power (kW)	1,1 kW	1,1 kW	5,5 kW	1,5 kW	1,5 kW	2,2 kW	0,55 kW	0,55 kW	3 kW	16 kW	10 kVar
Rated Current (A)	2,72 A	2,72 A	6,5 A	3,66 A	3,66 A	5 A	2,5 A	2,5 A	6 A	45 A	15,2 A
CB Rating (A)	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 A	16 A	50 A	25 A
Cable Composition	3x2,5/2,5 mm ²	3x2,5/2,5 mm ²	5x4 mm ²	4x2,5 mm ²	4x2,5 mm ²	4x2,5 mm ²	4x2,5 mm ²	4x2,5 mm ²	4x2,5 mm ²	5x16 mm ²	3x4 mm ²
Length (m)	15 m	15 m	55 m	55 m	65 m	15 m	50 m	50 m	15 m	15 m	-
Total Voltage Drop (%)	0,92 %	1,51 %	3 %	1,47 %	1,6 %	1,5 %	1,5 %	1,5 %	0,25 %	0,58 %	1,2 %

 FIRST EXTENSION



PROJECT
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DATE
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TITLE
SINGLE LINE DIAGRAM MCC

SCALES (DIN A1)
S/E
DRAWING NUMBER:
GA-DWG-EE-10-0001