

EMPLOYER :



THE UNITED NATIONS
CHILDREN'S FUND
(UNICEF)

ENGINEER



GITEC CONSULT GMBH
IN ASSOCIATION WITH
CONSULTING ENGINEERING CENTER (CEC)

CONTRACTOR :

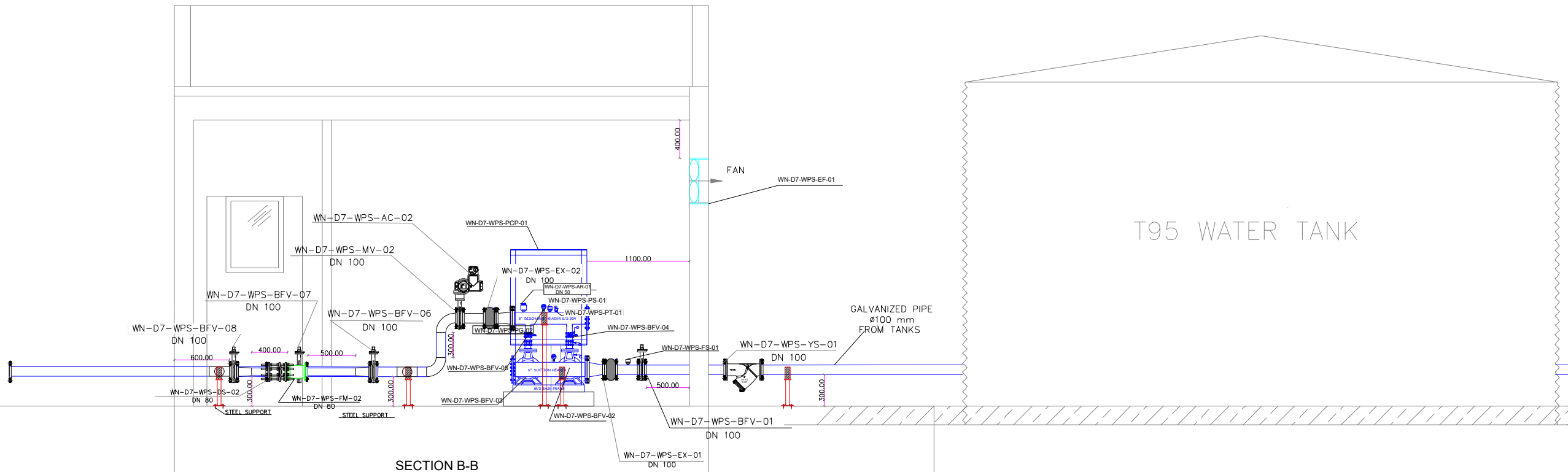


MID CONTRACTING Co.

CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP

Mechanical
AS BUILT DRAWING
WATER PUMP STATION 7

September. 2018



SECTION B-B

ITEM	AB	Manufacturer	Model
Gate valve	GV	Tis - Italy	PN 16 - Art. A021 TIS1
"Y" STRAINER	YS	Tis - Italy	PN16 Art. G032 TIS
Expansion joint	EX	Tis - Italy	PN16 Art. N316 TIS
Dismantling joint	DS	Tis - Italy	PN 16 - Art. N326 TIS3
Check valve	CV	Tis - Italy	PN 16 - Art. C071 GS
Electromagnetic flow meter	FM	Euromag - Italy	MUT 2200 EL FLANGED PN16
Butterfly valve	BFV	Tis - Italy	PN 10/16 - Art. D104 NBR Q2
Motorized Butterfly valve	MV	Jafar-Polish	PN 16 - Art. 4497
actuator	AC	bernard-Spain	code number: BCS0019766 SQ-6 III IP67
End suction pump	P1	Wilo pump Germany	type: BL 40/160-5, 5/2-L1 Art:2176114
	P2	Wilo pump Germany	P1 Serial No : 21432053/0001 P2 Serial No : 21432053/0002
PRESSURE VESSEL	PV	Wilo pump Germany	Model: LRS 1000/10 Product code: 1318
GENERATOR	GN	K J Power Generator	Model: KJP 15
Exhaust fan	EF	S&P	Model: HXBR
Flow switch	FS	VD-Italy	Model: SF1RE
Pressure switch	PT	German	Model: SMLA 035A2S11
Pressure transmitter	EF	KELLER	Model: SERIES 21 Y
pump control panel	PCP	Wilo pump Germany	*****

WN-DX-WPS-AB-00

serial number

Item type

Water pump station

District number

water network



NOTE:

Package no.	District no.	Serial No. For Drawing	Notes
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
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100	100	100	100

LEGEND:

T/B	TO BELOW
T/A	TO ABOVE
	PRESSURE GAGE WITH TRANSMITTER
	PRESSURE GAGE
	PRESSURE SWITCH
	FLEXIBLE CONNECTION
	STRAINER
	50mm AIR RELEASED VALVE
	BUTTERFLY VALVE
	BALL VALVE
	MOTORIZED BUTTERFLY VALVE

REFERENCE DRAWINGS

Drawing No.	Drawing Title

REV.	DATE	DESCRIPTION
0	18/9/2018	AS BUILT DRAWING

PROJECT: CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP

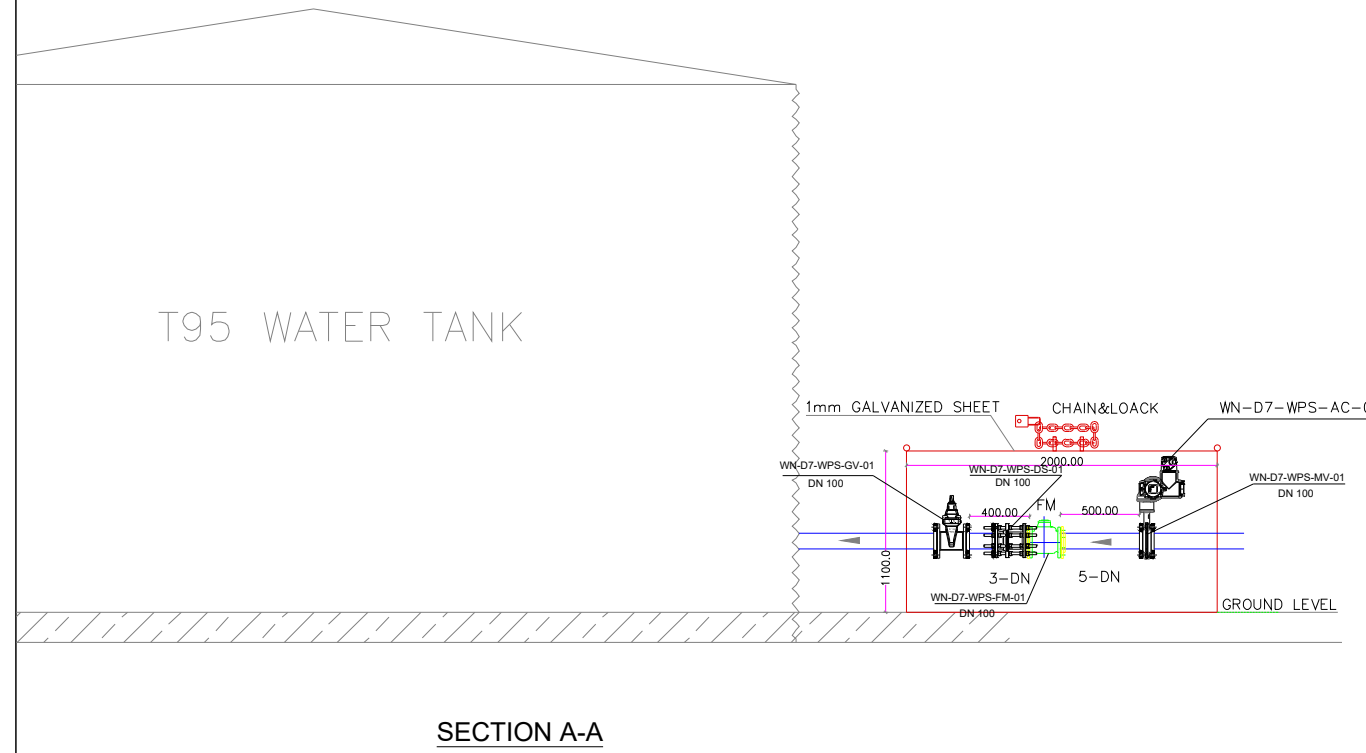
EMPLOYER: THE UNITED NATIONS CHILDREN'S FUND (UNICEF)

ENGINEER: GITEC CONSULT GMBH IN ASSOCIATION WITH CONSULTING ENGINEERING CENTER (CEC)

CONTRACTOR: MID CONTRACTING Co. AMMAN-JORDAN P.O. Box 107710, Amman J. e-mail: info@midcontracting.com.jo http://www.midcontracting.com

DRAWING TITLE: SECTION A-A

DESIGNED BY:	CHECKED BY:	APPROVED BY:
DATE:	DATE:	DATE:
SCALE:	DATE:	SHEET:
2	A3/1:50	18/9/2018
		1/1



SECTION A-A

WN-DX-WPS-AB-00

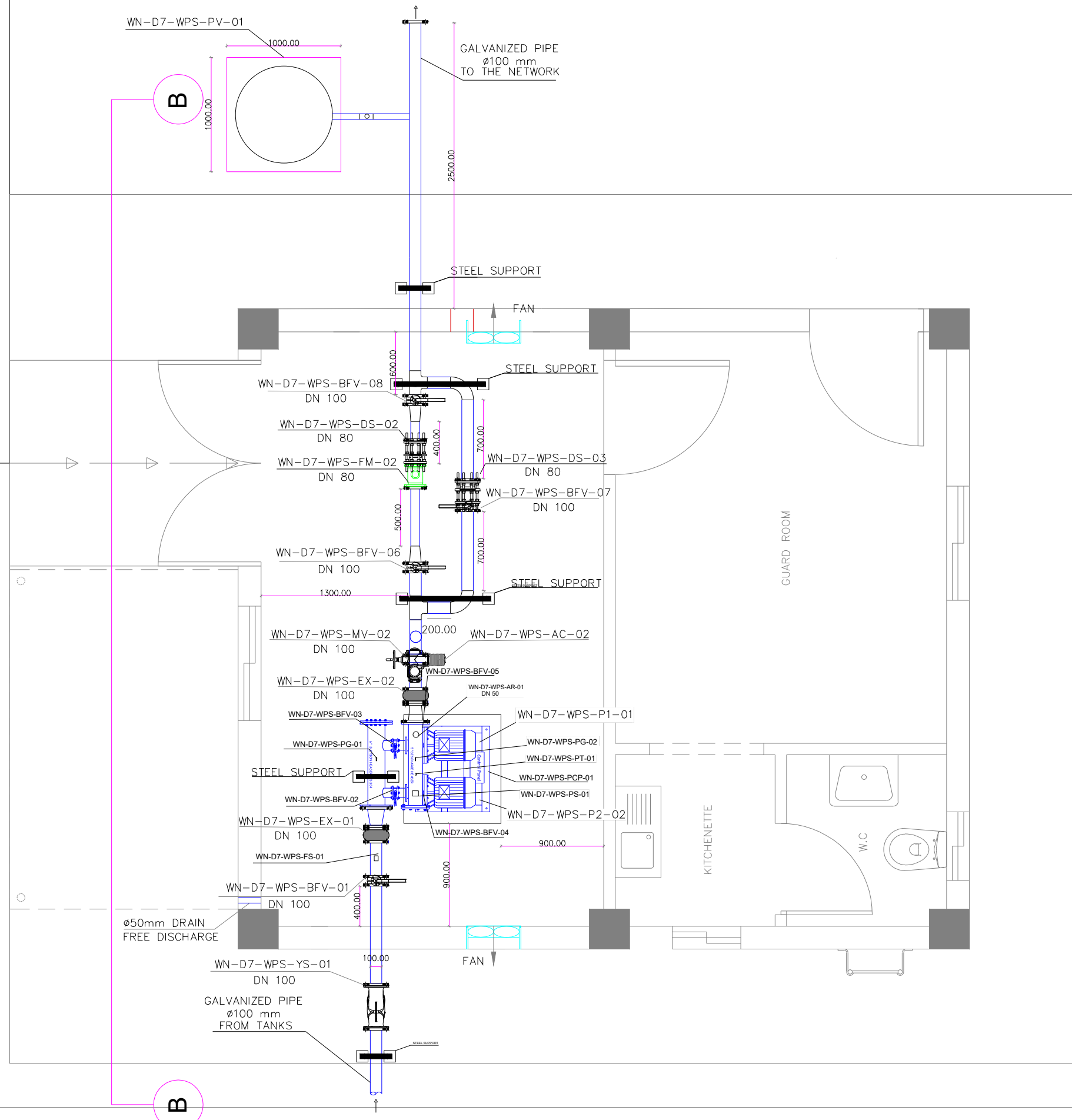
serial number

Item type

Water pump station

District number

water network



NOTE: Package no. _____ Serial No. For Drawing _____
 District no. _____ Trades _____

Package no.	Sheet no.	Section
1	Sheet 1	1. Foundation
2	Sheet 2	2. Framing
3	Sheet 3	3. Roofing
4	Sheet 4	4. Siding
5	Sheet 5	5. Windows & Doors
6	Sheet 6	6. Details & Sections
7	Sheet 7	7. Electrical
8	Sheet 8	8. Plumbing
9	Sheet 9	9. Mechanical
10	Sheet 10	10. Other
11	Sheet 11	11. Other
12	Sheet 12	12. Other
13	Sheet 13	13. Other
14	Sheet 14	14. Other
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37	Sheet 37	37. Other
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96	Sheet 96	96. Other
97	Sheet 97	97. Other
98	Sheet 98	98. Other
99	Sheet 99	99. Other
100	Sheet 100	100. Other

LEGEND:

T/B TO BELOW

T/A TO ABOVE

PRESSURE GAGE WITH TRANSMITTER

 PRESSURE GAGE

 PRESSURE SWITCH



FLEXIBLE CONNECTION

 STRAINER

50mm AIR RELEASED VALVE

 BUTTERFLY VALVE

 BALL VALVE



MOTORIZED BUTTERFLY VALVE

REFERENCE DRAWINGS

0	18/9/2018	AS BUILT DRAWING
REV.	DATE	DESCRIPTION

PROJECT : CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP

EMPLOYER: **THE UNITED NATIONS
CHILDREN'S FUND
(UNICEF)** 

ENGINEER **GITEC CONSULT GMBH**
IN ASSOCIATION WITH **GITEC** **cec**
CONSULT GMBH Lead & Partner in
International Projects
CONSULTING ENGINEERING CENTER (CEC)

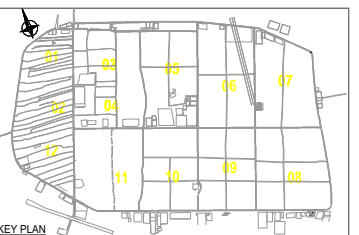
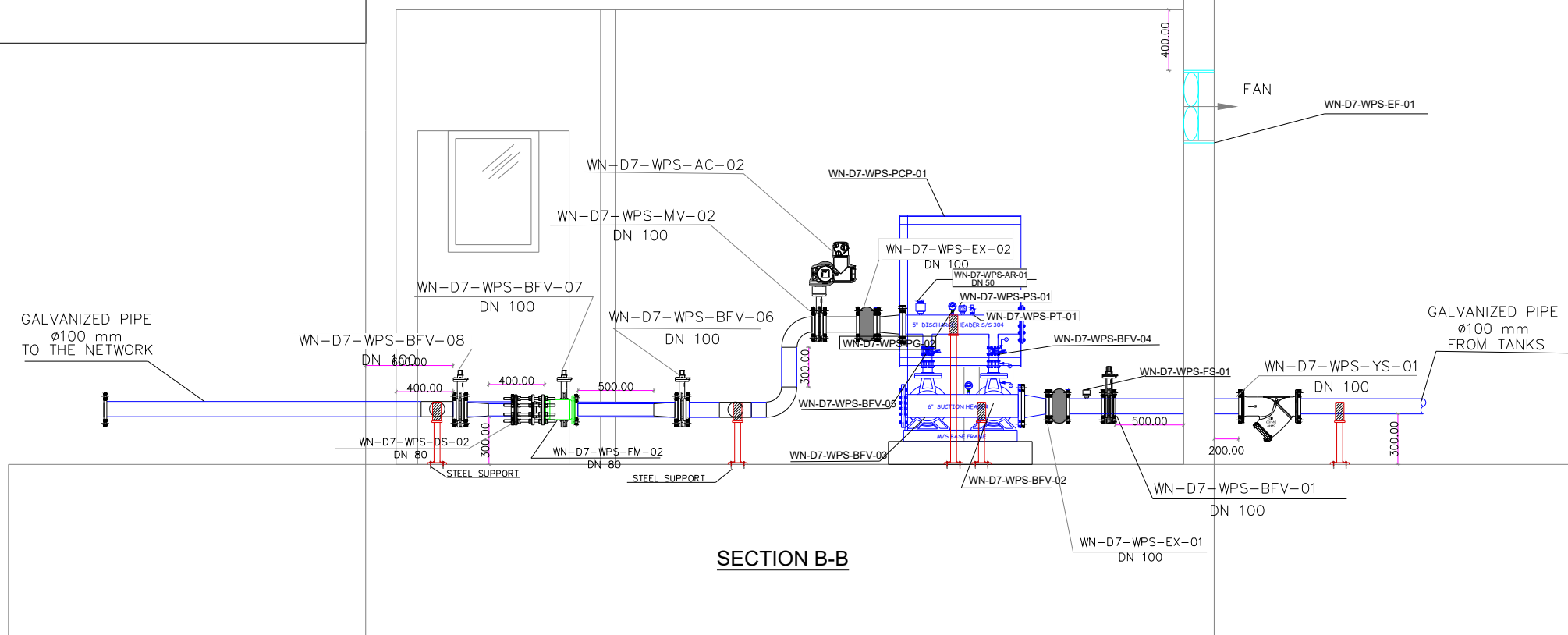
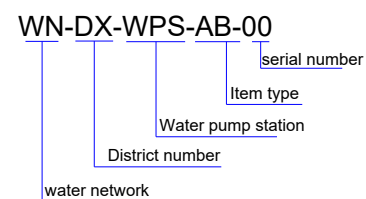
CONTRACTOR: MID CONTRACTING Co.
AMMAN-JORDAN
Tel: 5588051 FAX 5588050
P.O. Box 675 Um Essummaq
e-mail: mide@mids-contracting.com.jo

DRAWING TITLE

MECHANICAL WORKS FOR
PUMPING STATION IN DISTRICT 7

DRAWN BY : DATE :		CHECKED BY : DATE :		APPROVED BY : DATE :	
PHASE 1 2 3		ORIGINATOR'S NAME 4-7-10-003			REVISION 0
		SCALE A3/1:40			DATE 18/9/2018
		SHEET 1/1			

ITEM	AB	Manufacturer	Model
Gate valve	GV	Tis - Italy	PN 16 - Art. A021 TIS1
"Y" STRAINER	YS	Tis - Italy	PN16 Art. G032 TIS
Expansion joint	EX	Tis - Italy	PN16 Art. N316 TIS
Dismantling joint	DS	Tis - Italy	PN 16 - Art. N326 TIS3
Check valve	CV	Tis - Italy	PN 16 - Art. C071 GS
Electromagnetic flow meter	FM	Euromag - Italy	MUT 2200 EL FLANGED PN16
Butterfly valve	BFV	Tis - Italy	PN 10/16 - Art. D104 NBR Q2
Motorized Butterfly valve	MV	Jafar-Polish	PN 16 - Art. 4497
actuator	AC	bernard-Spain	code number: BCS0019766 SQ-6 III IP67
End suction pump	P1	Wilo pump Germany	type: BL 40/160-5, 5/2-L1 Art:2176114
	P2	Wilo pump Germany	P1 Serial No :21432053/0001 P2 Serial No :21432053/0002
PRESSURE VESSEL	PV	Wilo pump Germany	Model: LRS 1000/10 Product code: 1318
GENERATOR	GN	K J Power Generator	Model: KJP 15
Exhaust fan	EF	S&P	Model: HXBR
Flow switch	FS	VD-Italy	Model: SF1RE
Pressure switch	PT	German	Model: SMLA 035A2S11
Pressure transmitter	EF	KELLER	Model:SERIES 21 Y
pump control panel	PCP	Wilo pump Germany	-----



NOTE: _____

Package no. _____ Serial No. For Drawing _____

District no. _____ Taluqs _____

Package no.	District no.	Taluqs	Village
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1	1	97	1
1	1	98	1
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1	1	100	1

LEGEND:	
T/B	TO BELOW
T/A	TO ABOVE
	PRESSURE GAGE WITH TRANSMITTER
	PRESSURE GAGE
	PRESSURE SWITCH
	FLEXIBLE CONNECTION
	STRAINER
	50mm AIR RELEASED VALVE
	BUTTERFLY VALVE
	BALL VALVE
	MOTORIZED BUTTERFLY VALVE

REFERENCE DRAWINGS	
Drawing No.	Drawing Title

0	18/9/2018	AS BUILT DRAWING
REV.	DATE	DESCRIPTION

PROJECT :

**CONSTRUCTION OF PHASE II WATER
AND WASTEWATER NETWORKS AT
ZAATARI REFUGEE CAMP**

EMPLOYER: **THE UNITED NATIONS
CHILDREN'S FUND
(UNICEF)** 

ENGINEER

GITEC CONSULT GMBH
IN ASSOCIATION WITH

CONSULTING ENGINEERING CENTER (CEC)

GITEC
CONSULT GMBH

cec
SARAJEVO • BEOGRAD
BUDAPEST • ZAGREB

CONTRACTOR: MID CONTRACTING Co.
AMMAN-JORDAN
Tel 553051 FAX 553040
P.O. Box 675 Um Essummaq
e-mail: mide @mid-contracting.com.jo
<http://www.mid-contracting.com>

DRAWING TITLE

SECTION B-B

DRAWN BY:		CHECKED BY:		APPROVED BY:	
DATE:		DATE:		DATE:	
AS BUILT DRAWING SHOP DRAWING		DRAWING NO. 4-7-10-004			REVISION 0
SCALE 2		SCALE A3/1:40		DATE 18/9/2018	
				SHEET 1/1	

PUMPS DETAIL

TYPE	SET STATEMENT	pump number	FLOW (m ³ /h)	HEAD (m)	POWER (Kw)	SPEED	SUCTION HEADER	DISCHARGE HEADER
END SUCTION PUMPS	ONE DUTY & ONE STAND-BY	P1	36.6	25	5.5	VARIABLE FREQUENCY DRIVE	DN 150 S/S 304	DN 125 S/S 304
END SUCTION PUMPS		P2	36.6	25	5.5	VARIABLE FREQUENCY DRIVE		

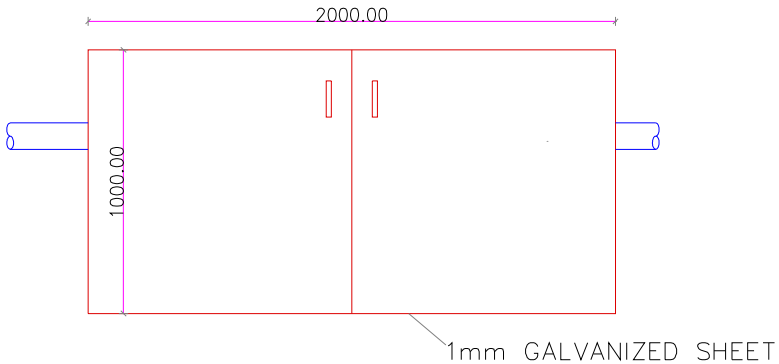
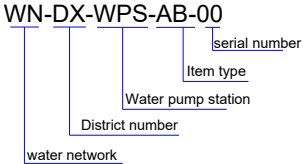
LOW PRESSURE PLATE AXIAL FANS

w	POLES	RPM	MAX AIRFLOW (l/s)	MAX PRESSURE (pa)	ACCESSORIES
240-270	4	1400	875	177	GRAVITY SHATTER

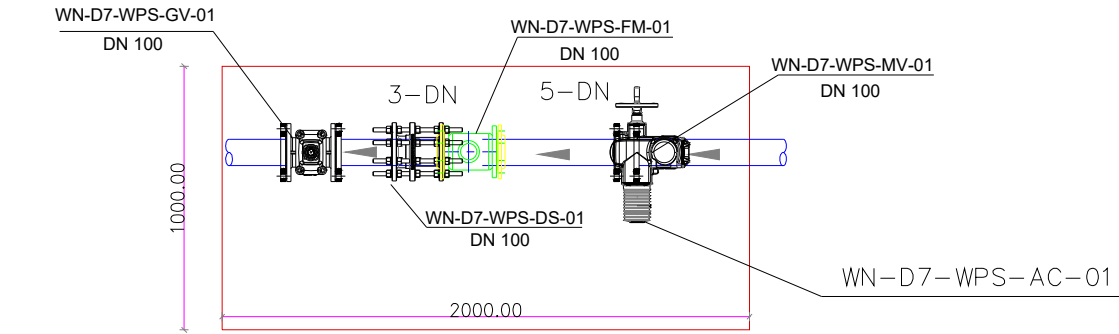
CABINET STATIONARY GENERATOR DETAIL

POWER	OUTPUT VOLTAGE	RPM	POWER FACTOR Cos phi
15 KVA	400 V	1500	0.8

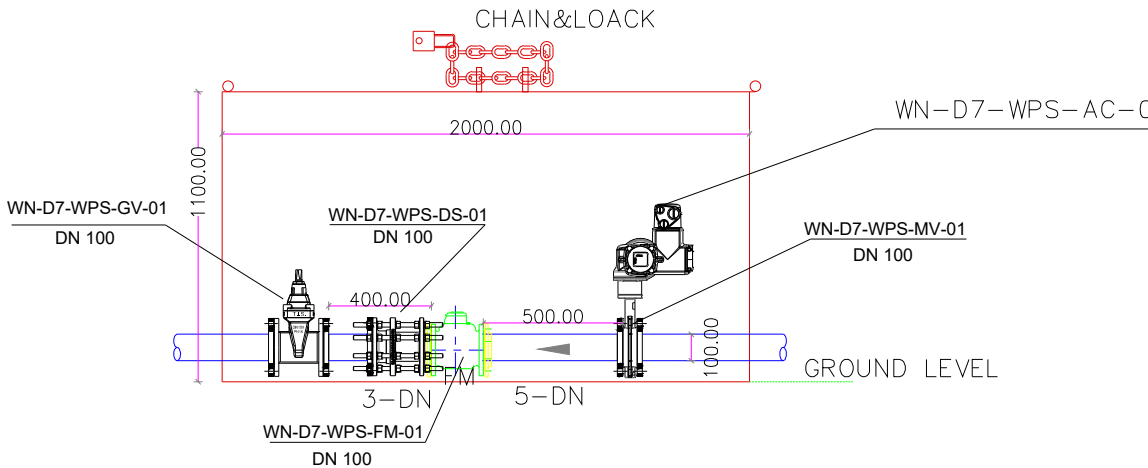
ITEM	AB	Manufacturer	Model
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Pressure transmitter	EF	KELLER	Model::SERIES 21 Y
pump control panel	PCP	Wilo pump Germany	-----



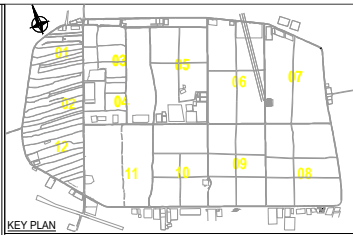
ROOF PLAN



GROUND PLAN



DETAIL 1



NOTE:

Package no. District no. Serial No. For Drawing

Package no.	District no.	Serial No. For Drawing
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3	3	3
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100	100	100

LEGEND:

T/B	TO BELOW
T/A	TO ABOVE
	PRESSURE GAGE WITH TRANSMITTER
	PRESSURE GAGE
	PRESSURE SWITCH
	FLEXIBLE CONNECTION
	STRAINER
	50mm AIR RELEASED VALVE
	BUTTERFLY VALVE
	BALL VALVE
	MOTORIZED BUTTERFLY VALVE

REFERENCE DRAWINGS

Drawing No.	Drawing Title

0	18/9/2018	AS BUILT DRAWING
REV.	DATE	DESCRIPTION

PROJECT:

CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP

EMPLOYER:

THE UNITED NATIONS CHILDREN'S FUND (UNICEF)

ENGINEER:

GITEC CONSULT GMBH IN ASSOCIATION WITH CONSULTING ENGINEERING CENTER (CEC)

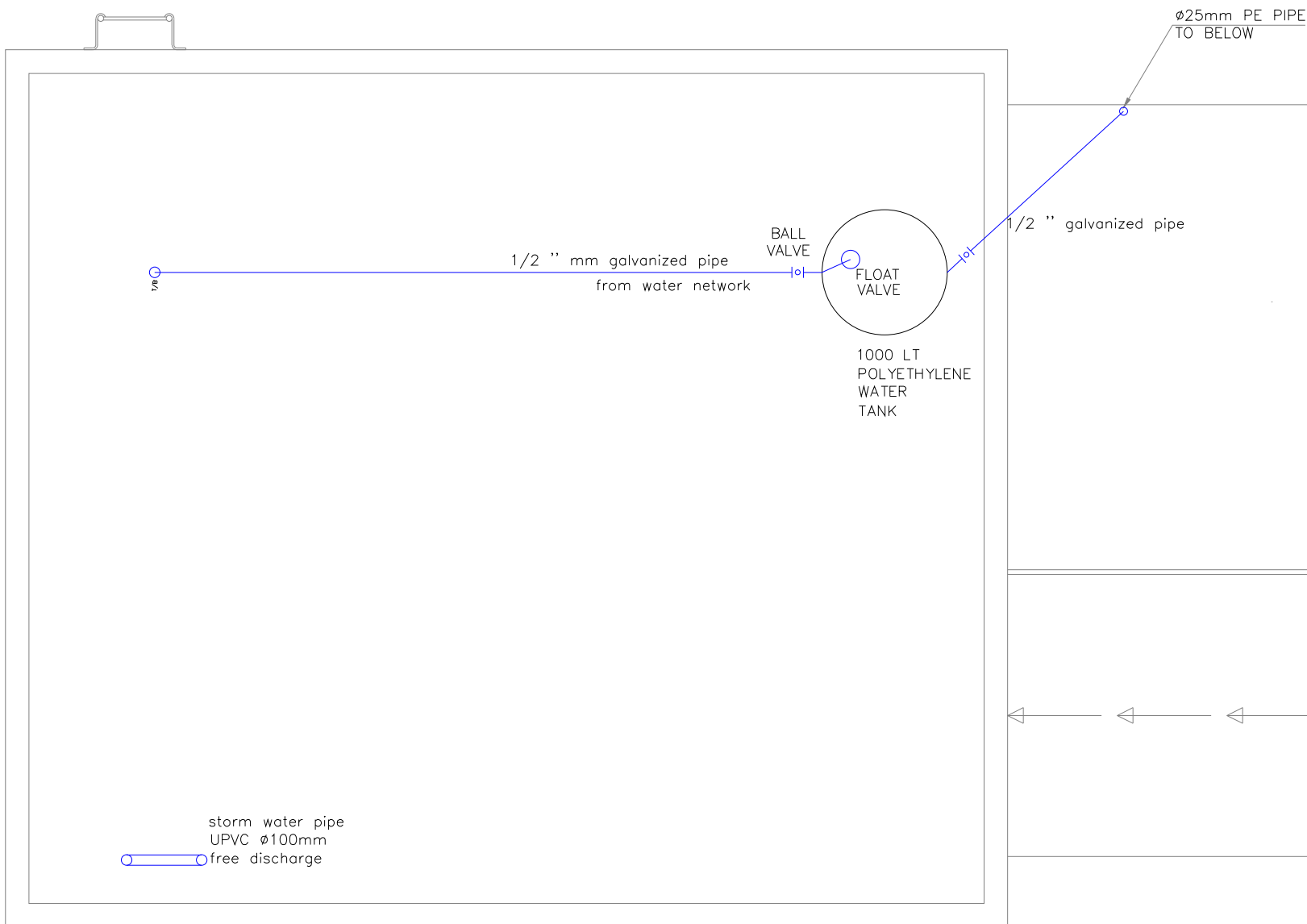
CONTRACTOR:

MID CONTRACTING Co. AMMAN-JORDAN P.O. Box 97711 Da. Samsat e-mail: info@midcontracting.com.jo http://www.midcontracting.com

DRAWING TITLE

EQUIPMENT SCHEDULES AND DETAILS FOR TANKS INLET CHAMBER

DESIGNED BY:	CHECKED BY:	APPROVED BY:
DATE:	DATE:	DATE:
0	4-7-10-005	0
PHASE	SCALE	DATE
2	N.T.S	18/9/2018
		SHEET
		1/1



ROOF PLAN
SCALE 1/25

ARISTON WATER HEATER

LOCATION	CAPACITY (L)	ELECTRICAL			POWER (KW)	QUANTITY
		V	PH	HZ		
Toilet	50	240	1	50	1	1



NOTE:

Package no.	District no.	Package no.	District no.	Package no.	District no.
1	01	1	01	1	01
2	02	2	02	2	02
3	03	3	03	3	03
4	04	4	04	4	04
5	05	5	05	5	05
6	06	6	06	6	06
7	07	7	07	7	07
8	08	8	08	8	08
9	09	9	09	9	09
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12

LEGEND:

WASTEWATER NETWORK
HDPE PIPE O.D 110 mm(SUBMAIN)
HDPE PIPE O.D 110 mm
HDPE PIPE O.D 160 mm
HDPE PIPE O.D 235 mm
HDPE PIPE O.D 350 mm
HDPE PIPE O.D 470 mm
F.M-1 HDPE PIPE O.D 315 mm
COLLECTION MANHOLE
SOLID COLLECTION TANK

CWS	COLD WATER SUPPLY
HWS	HOT WATER SUPPLY
H	HOT WATER ANGLE VALVE
C	COLD WATER ANGLE VALVE
F/A	FROM ABOVE
	HOT WATER ANGLE VALVE Ø15mm
	COLD WATER ANGLE VALVE Ø15mm

REFERENCE DRAWINGS

Drawing No.	Drawing Title

REV.	DATE	DESCRIPTION
0	18/9/2018	AS BUILT DRAWING

PROJECT: CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP

EMPLOYER: THE UNITED NATIONS CHILDREN'S FUND (UNICEF)

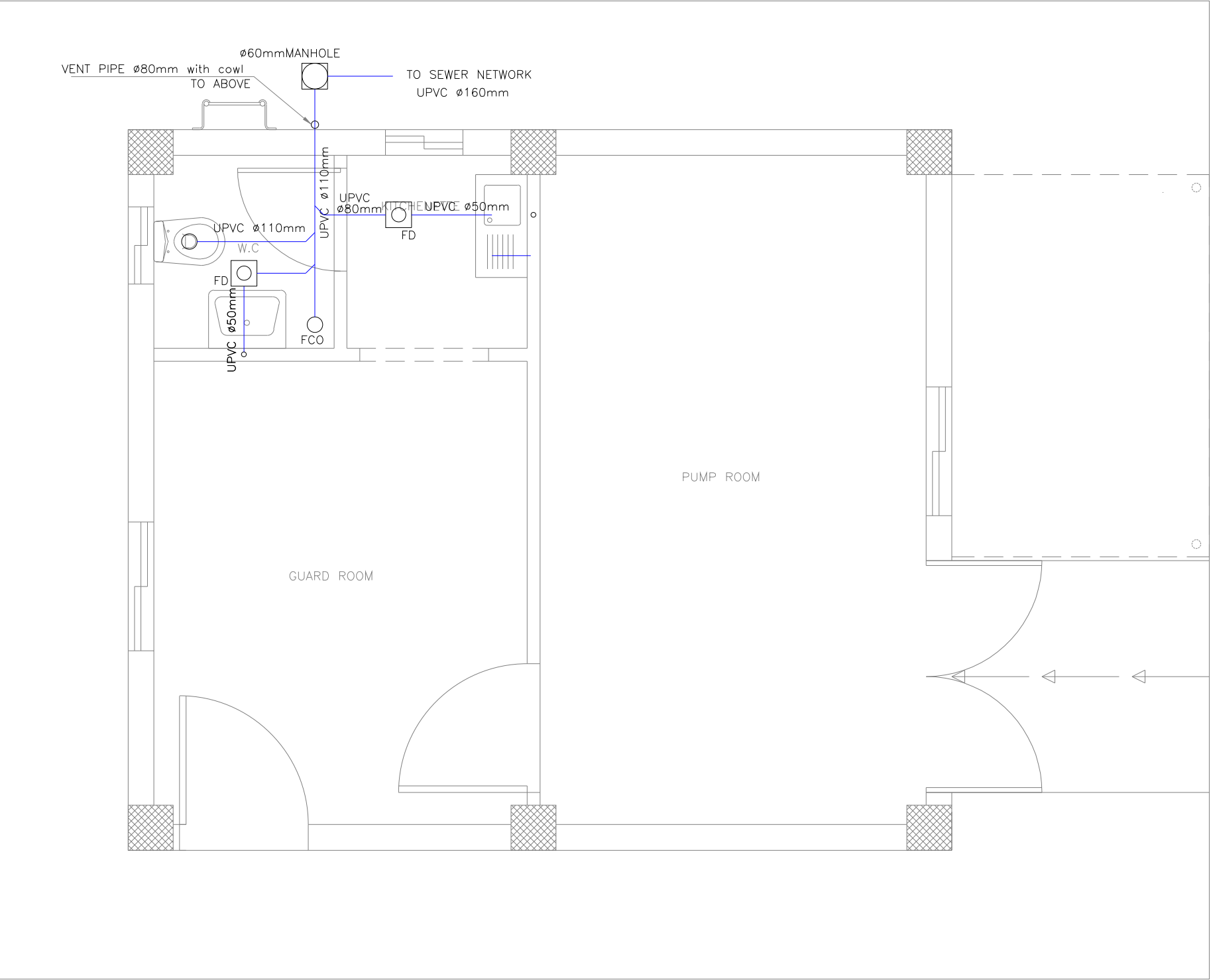
ENGINEER: GITEC CONSULT GMBH IN ASSOCIATION WITH CONSULTING ENGINEERING CENTER (CEC)

CONTRACTOR: MID CONTRACTING Co. AMMAN, JORDAN

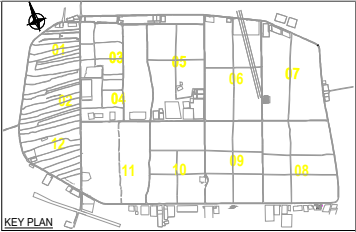
DRAWING TITLE

PUMPING STATION IN DISTRICT 7
MECHANICAL WORKS ROOF PLAN

DRAWN BY:	CHECKED BY:	APPROVED BY:
DATE:	DATE:	DATE:
0	4-7-10-007	0
2	A3/1:25	18/9/2018
1/1		



GROUND PLAN



NOTE:

Package no.	District no.	Serial No. For Drawing	Notes
1	1	1	Substation
2	2	2	Manhole
3	3	3	Trunk
4	4	4	Trunk
5	5	5	Trunk
6	6	6	Trunk
7	7	7	Trunk
8	8	8	Trunk
9	9	9	Trunk
10	10	10	Trunk
11	11	11	Trunk
12	12	12	Trunk
13	13	13	Trunk
14	14	14	Trunk
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95	95	95	Trunk
96	96	96	Trunk
97	97	97	Trunk
98	98	98	Trunk
99	99	99	Trunk
100	100	100	Trunk

LEGEND: WASTEWATER NETWORK

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Drawing No.	Drawing Title

REV.	DATE	DESCRIPTION
0	18/9/2018	AS BUILT DRAWING

PROJECT:	CONSTRUCTION OF PHASE II WATER AND WASTEWATER NETWORKS AT ZAATARI REFUGEE CAMP
EMPLOYER:	THE UNITED NATIONS CHILDREN'S FUND (UNICEF)
ENGINEER:	GITEC CONSULT GMBH IN ASSOCIATION WITH CONSULTING ENGINEERING CENTER (CEC)
CONTRACTOR:	MID CONTRACTING Co. AMMAN, JORDAN P.O. Box 111111, Tel. 06-5555555 e-mail: mid@midcontracting.com.jo http://www.midcontracting.com

DRAWING TITLE			
PUMPING STATION IN DISTRICT 7 DRAINAGE SYSTEM FOR GUARD ROOM			
DRAWN BY:	CHECKED BY:	APPROVED BY:	
DATE:	DATE:	DATE:	
DRAWING NO.			RELATION
4-7-10-008			0
PHASE	SCALE	DATE	SHEET
2	A3/1:25	18/9/2018	1/1