

Urban Utilities

WB??? TEST ROAD, WATER BOOSTER WATER BOOSTER

SITE COVER SHEET

ELECTRICAL DRAWINGS INDEX										
DWG N°.	TITLE	SHEET		REV	/ISIO	NS				
WB???-1000-EE-DRG-0001	ELECTRICAL DRAWING INDEX	01	П							
WB???-1000-EE-DRG-0002	SINGLE LINE DIAGRAM - 400VAC & 230VAC	02	П							
WB???-1000-EE-DRG-0003	POWER DISTRIBUTION SCHEMATIC DIAGRAM - 400VAC & 230VAC	03	П							
WB???-1000-EE-DRG-0004	SCHEMATIC DIAGRAM - WATER BOOSTER PUMPS 1 & 2	04	П							
WB???-1000-EE-DRG-0005	RESERVED (WATER BOOSTER PUMPS 3 & 4)	05	П							
WB???-1000-EE-DRG-0006	RESERVED (WATER BOOSTER PUMP 5)	06	П							
WB???-1000-EE-DRG-0007	SCHEMATIC DIAGRAM - MTS CONTROL	07	П							
WB???-1000-EE-DRG-0008	RESERVED (GENERATOR CONTROL)	08	П							
WB???-1000-EE-DRG-0009	SCHEMATIC DIAGRAM - 24VDC DISTRIBUTION & RTU LAYOUT	09	П							
WB???-1000-EE-DRG-0010	SCHEMATIC DIAGRAM - COMMON CONTROLS	10	П							
WB???-1000-EE-DRG-0011	SCHEMATIC DIAGRAM - COMMON RTU I/O	11	П							
WB???-1000-EE-DRG-0012	TERMINATION DIAGRAM - RTU DIGITAL INPUTS - SHEET 1 OF 2	12	П							
WB???-1000-EE-DRG-0013	TERMINATION DIAGRAM - RTU DIGITAL INPUTS - SHEET 2 OF 2	13	П							
WB???-1000-EE-DRG-0014	TERMINATION DIAGRAM - RTU DIGITAL OUTPUTS	14	П							
WB???-1000-EE-DRG-0015	TERMINATION DIAGRAM - RTU ANALOG INPUTS	15	П							
WB???-1000-EE-DRG-0016	TERMINATION DIAGRAM - COMMON CONTROL & GENERATOR	16	П							
WB???-1000-EE-DRG-0017	TERMINATION DIAGRAM - PUMP ENCLOSURE	17	П							
WB???-1000-EE-DRG-0018	SWITCHBOARD EQUIPMENT SCHEDULE	18	П							
WB???-1000-EE-DRG-0019	SWITCHBOARD CABLE SCHEDULE	19	П							
WB???-1000-EE-DRG-0020	SWITCHBOARD LABEL SCHEDULE	20	П							
WB???-1000-EE-DRG-0021	SWITCHBOARD CONSTRUCTION DETAILS - Sheet 1 of 3	21	П							
WB???-1000-EE-DRG-0022	SWITCHBOARD CONSTRUCTION DETAILS - Sheet 2 of 3	22	П							
WB???-1000-EE-DRG-0023	SWITCHBOARD CONSTRUCTION DETAILS - Sheet 3 of 3	23	П							
WB???-1000-EE-DRG-0024	GENERAL ARRANGEMENT - PUMP SWITCHBOARD - ELEVATIONS	24	П							
WB???-1000-EE-DRG-0025	GENERAL ARRANGEMENT - PUMP SWITCHBOARD - SECTIONS	25								
WB???-1000-EE-DRG-0026	CLEARANCE REQUIREMENTS - PUMP SWITCHBOARD	26	П	\neg						
WB???-1000-EE-DRG-0027	RESERVED (GENERATOR EXTERNAL CONNECTION BOX)	27	П	\neg						
WB???-1000-EE-DRG-0028	GENERAL ARRANGEMENT - CONDUIT DETAILS	28								

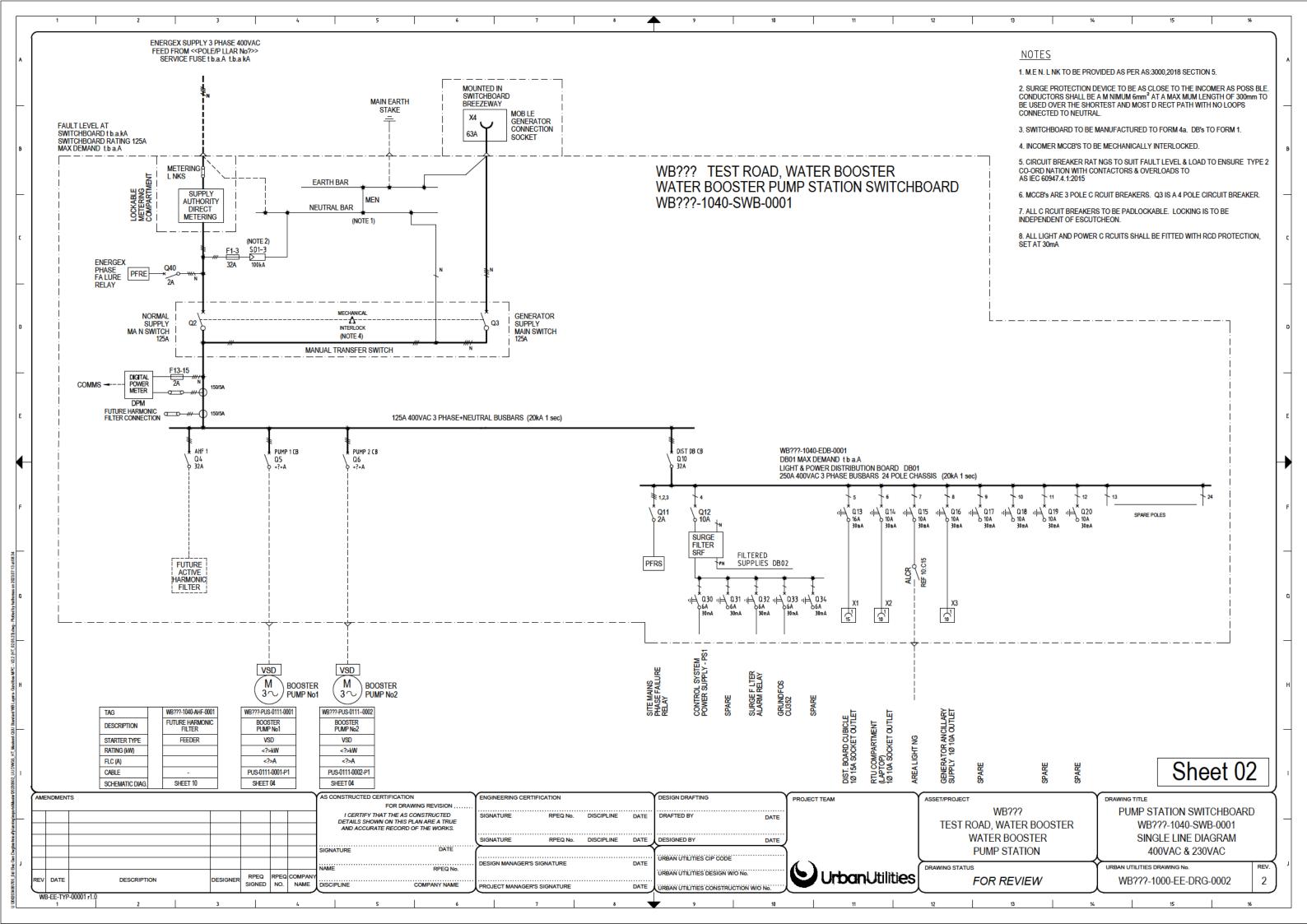
STANDARD VARIABLES										
DESCRIPTION	VALUES									
SWITCHBOARD RATINGS	SWITCHBOARD: MAX DEMAND tb.a.A FAULT LEVEL tb.a.kA									
INCOMING MAINS SUPPLY CABLE	16mm²									
MAIN EARTHING CABLE	6mm²									
NORMAL SUPPLY MAIN SWITCH	125A, S250NE 3 125									
GENERATOR SUPPLY MAIN SWITCH	125A, \$250NE 4 125									
GRUNDFOS PUMP MODEL No.	< ? >>									
BOOSTER PUMP KW RATING:	BP1= kW BP2= kW									
BOOSTER PUMP CIRCUIT BREAKER TYPE:	S125NJ 3 20 S125NJ 3 20									
BOOSTER PUMP CIRCUIT BREAKER RATING:	A A									
BOOSTER PUMP MOTOR SUPPLY CABLE:	mm² mm²									
HARMONIC FILTER MAIN ISOLATOR	32A, S125NJ 3 32									
DELIVERY FLOWMETER	PROMAG W400 5W4C1F < ? >I/s									
SUCTION PRESSURE	1090-PIT-0001 < ? >kPa									
DELIVERY PRESSURE No1	1090-PIT-0002 < ? >kPa									
DELIVERY PRESSURE No2	1090-PIT-0003 < ? >kPa									
RADIO										
BACKUP COMMS										
BOOSTER PUMPS - SAFETY STOP CATEGORY	CATEGORY 1									

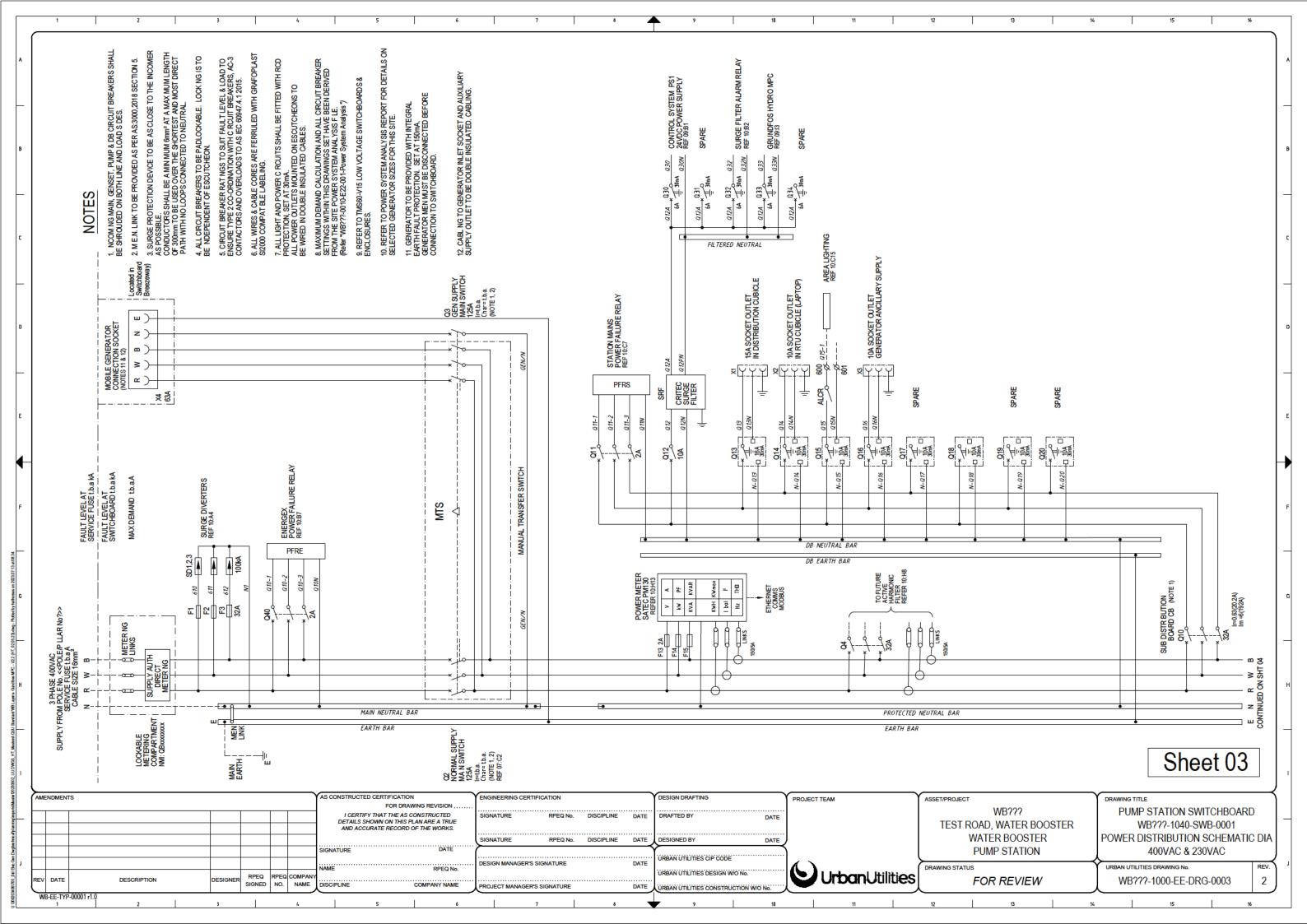
	$\overline{}$
STANDARD DESIGN OPTIONS	
DESCRIPTION	FITTED
MANUAL TRANSFER SWITCH	YES DEC
DIRECT CONNECTED METERING	YES NEC
RTU	YES DESC
PUMP 3 NOT INSTALLED	YDEKS NO
PUMP 4 NOT INSTALLED	YDES NO
PUMP 5 NOT INSTALLED	YES NO
DELIVERY FLOWMETER INSTALLED	YES DESC
	YES NO
RADIO	YES NEC
4G MODEM	YES \$8
	YES NO
FLOWMETER PIT SUMP PUMP NOT INSTALLED	YZESI NO
	YES NO
FLOWMETER PIT LEVEL RELAY NOT INSTALLED	YDEKS NO
PUMP BOX VENTILATION FAN NOT INSTALLED	YDEKS NO
AREA LIGHTING	YES DESC
DUAL 24VDC POWER SUPPLIES NOT INSTALLED	Y∑EKSINO
POWER METER	YES IN
HARMONIC FILTER NOT INSTALLED	YDEKSI NO
GENERATOR CONNECTION SOCKET INSTALLED	YES \$8
	MANUAL TRANSFER SWITCH DIRECT CONNECTED METERING RTU PUMP 3 NOT INSTALLED PUMP 4 NOT INSTALLED DELIVERY FLOWMETER INSTALLED RADIO 4G MODEM FLOWMETER PIT SUMP PUMP NOT INSTALLED FLOWMETER PIT LEVEL RELAY NOT INSTALLED PUMP BOX VENTILATION FAN NOT INSTALLED AREA LIGHTING DUAL 24VDC POWER SUPPLIES NOT INSTALLED POWER METER HARMONIC FILTER NOT INSTALLED

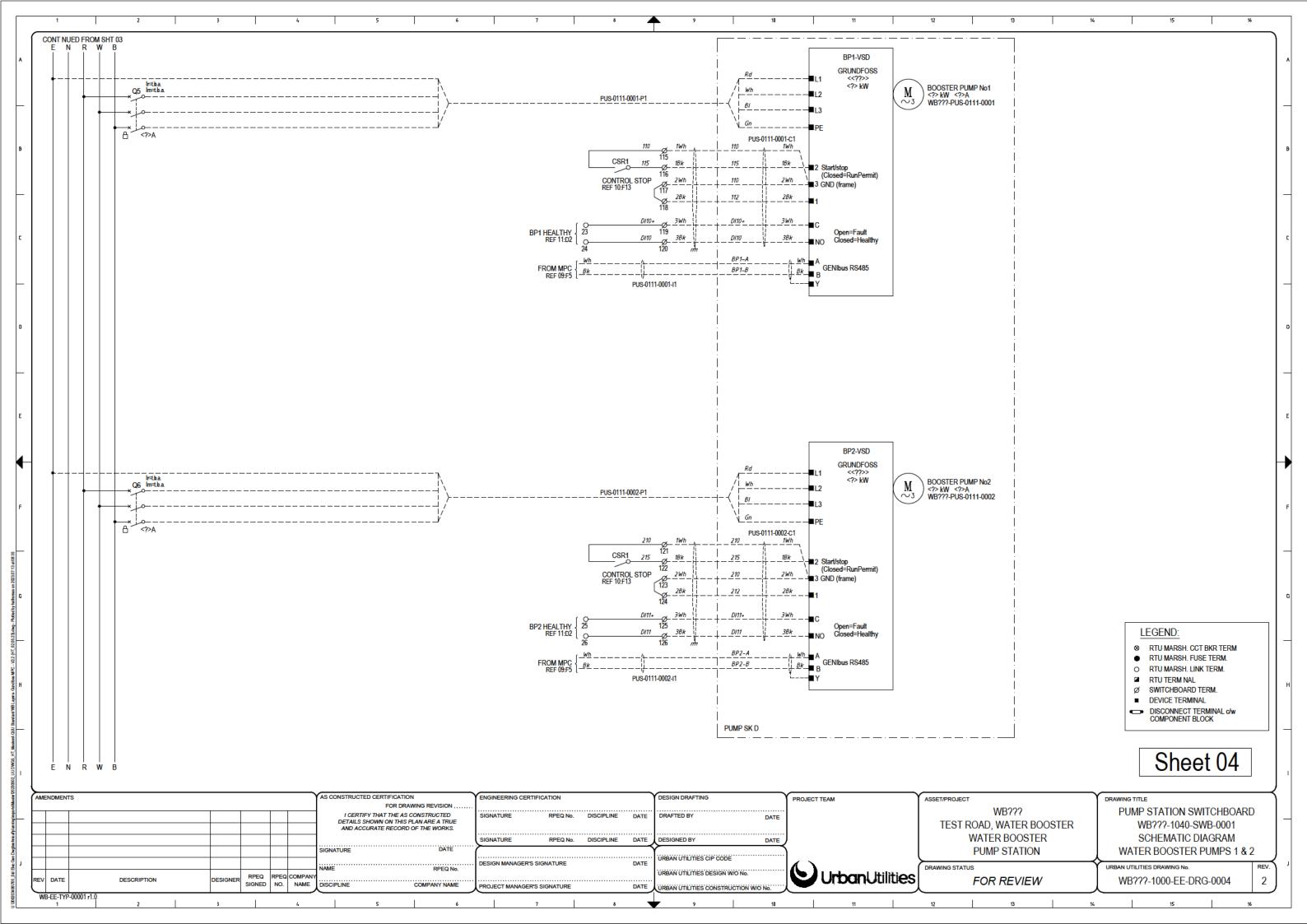
NOTE: Urban Utilities accepts no liability for the use of typical drawings, which must be adapted to the requirements of the particular system and accompanied by detailed designs certified by RPEQ

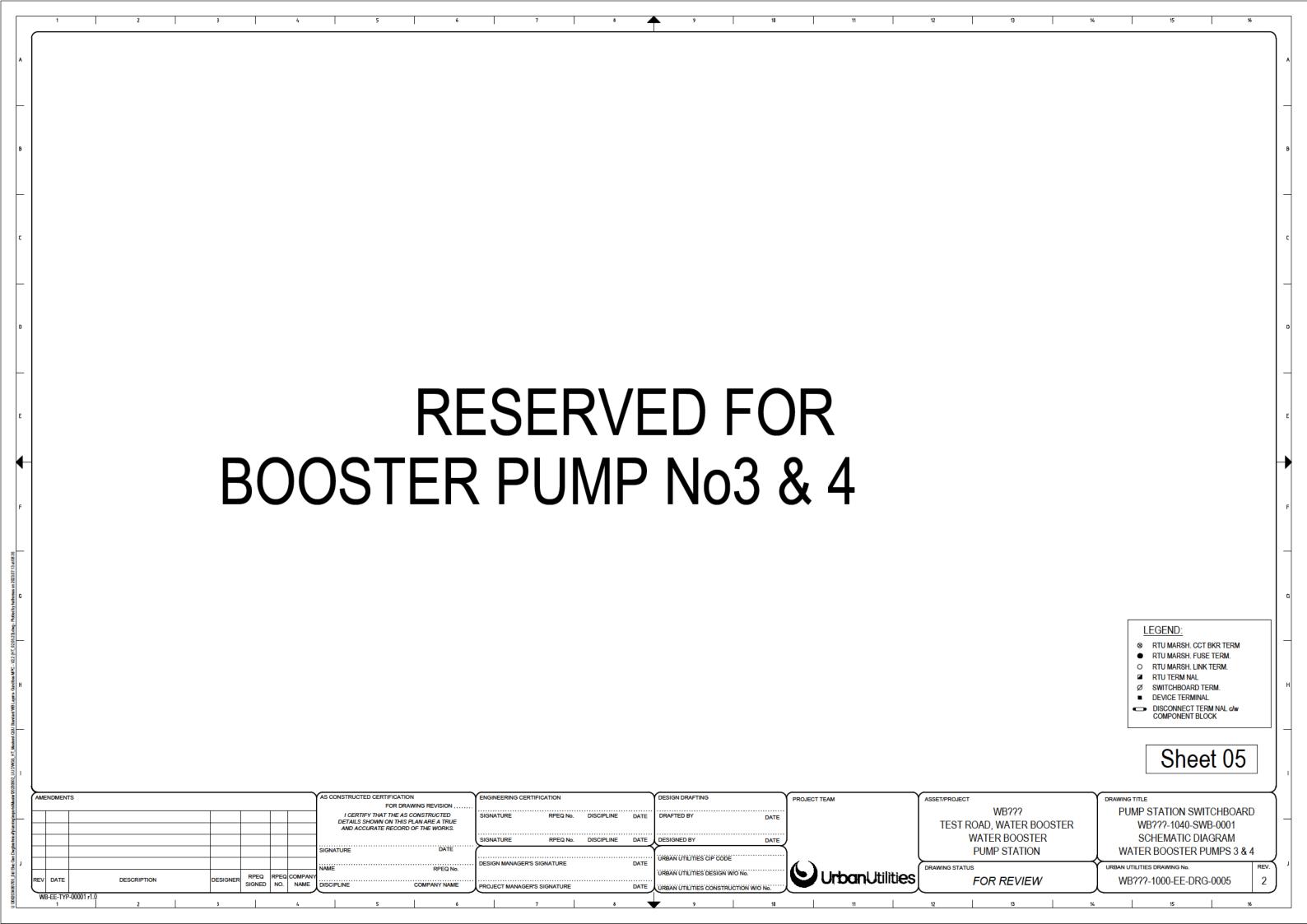
Sheet 01

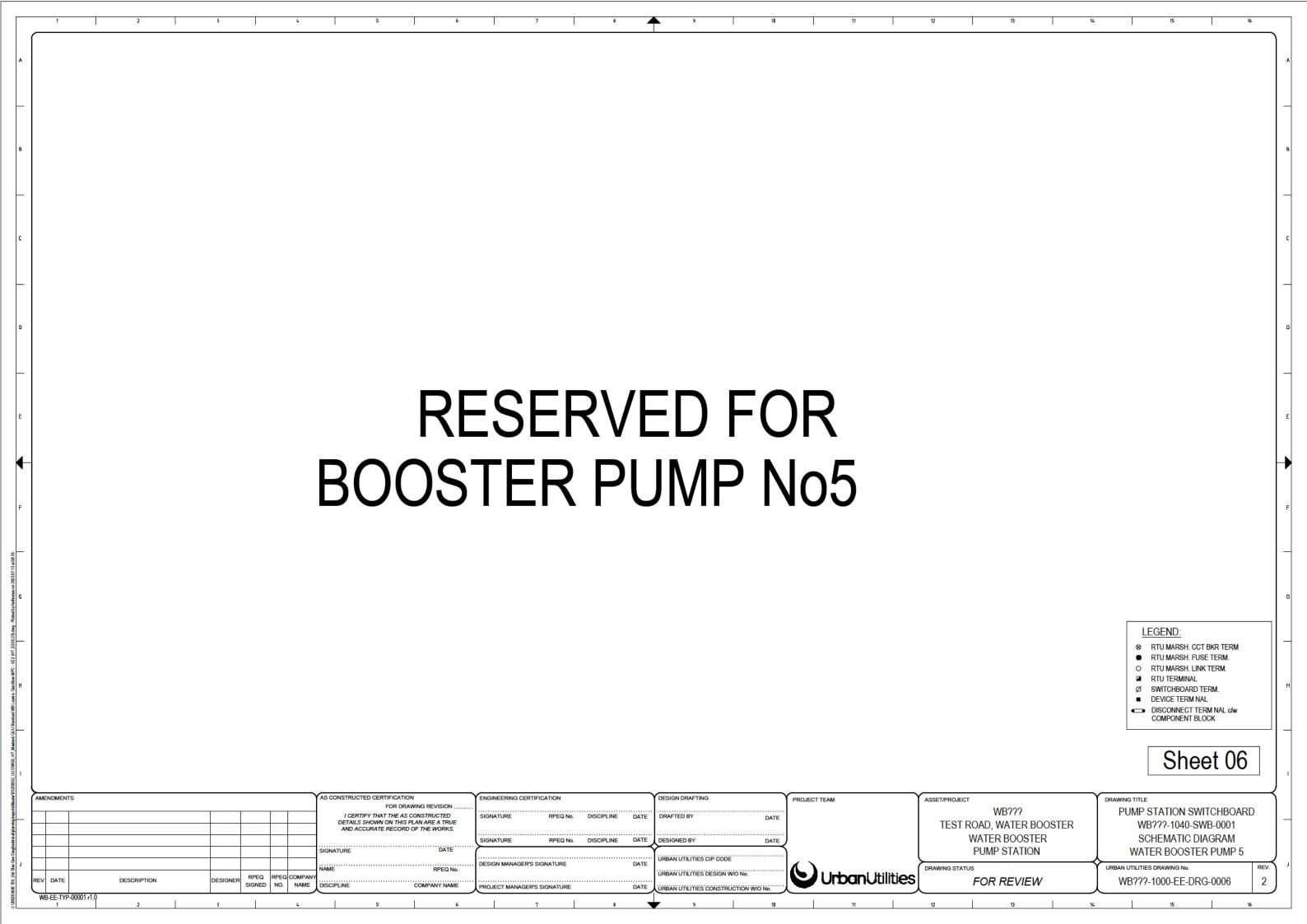
AMENDMEN	TS				AS CONSTRUCTED CERTIFICATION FOR DRAWING REVISION ,		RING CERTIFICATION			DESIGN DRAFTING	PROJECT TEAM	ASSET/PROJECT WB???	DRAWING TITLE PUMP STATION SWITCHBOAF	3D
		_			I CERTIFY THAT THE AS CONSTRUCTED DETAILS SHOWN ON THIS PLAN ARE A TRUE AND ACCURATE RECORD OF THE WORKS.	SIGNATI	RE RPEQ No.	DISCIPLINE	DATE	DRAFTED BY DATE		TEST ROAD, WATER BOOSTER	WB???-1040-SWB-0001	(D
						SIGNATI	RE RPEQ No.	DISCIPLINE	DATE	DESIGNED BY DATE	J	WATER BOOSTER	DRAWING INDEX	
					SIGNATURE DATE					URBAN UTILITIES CIP CODE) , ,	PUMP STATION	L	
\vdash		-	BBEO BBE	OCOMPAN	NAME RPEQ No		ANAGER'S SIGNATURE		DATE	URBAN UTILITIES DESIGN W/O No.	Lisbani Hilitiaa	DRAWING STATUS	URBAN UTILITIES DRAWING No.	RE
		IGNER			DISCIPLINE COMPANY NAM	PROJEC	MANAGER'S SIGNATURE		DATE	URBAN UTILITIES CONSTRUCTION W/O No.	Orbanountes	FOR REVIEW	WB???-1000-EE-DRG-0001	2
REV DATE	DESCRIPTION DESI	IGNER	RPEQ RPE		IY		MANAGER'S SIGNATURE		DATE		Urban Utilities		WB???-1000-EE-DRG-000)1

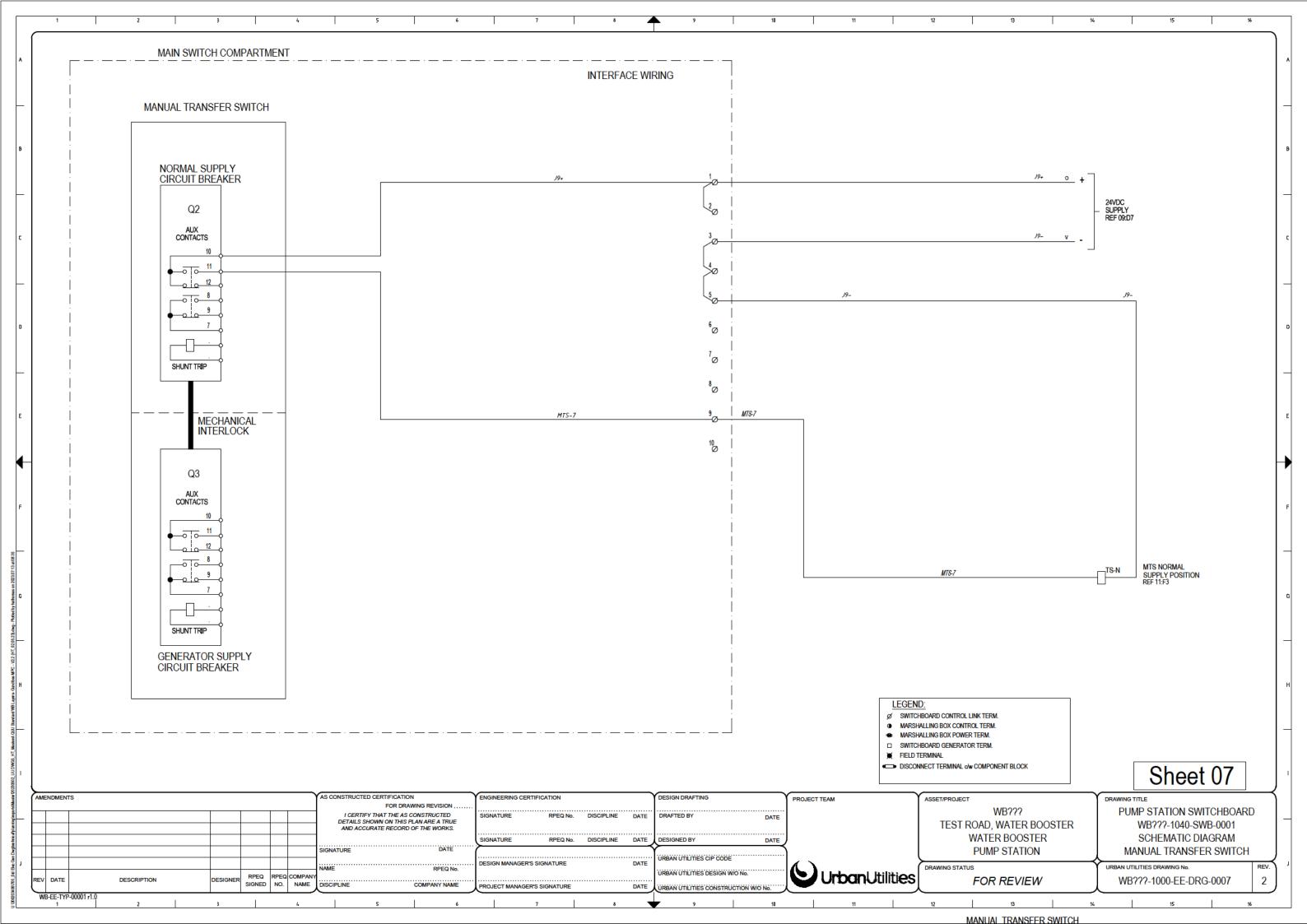


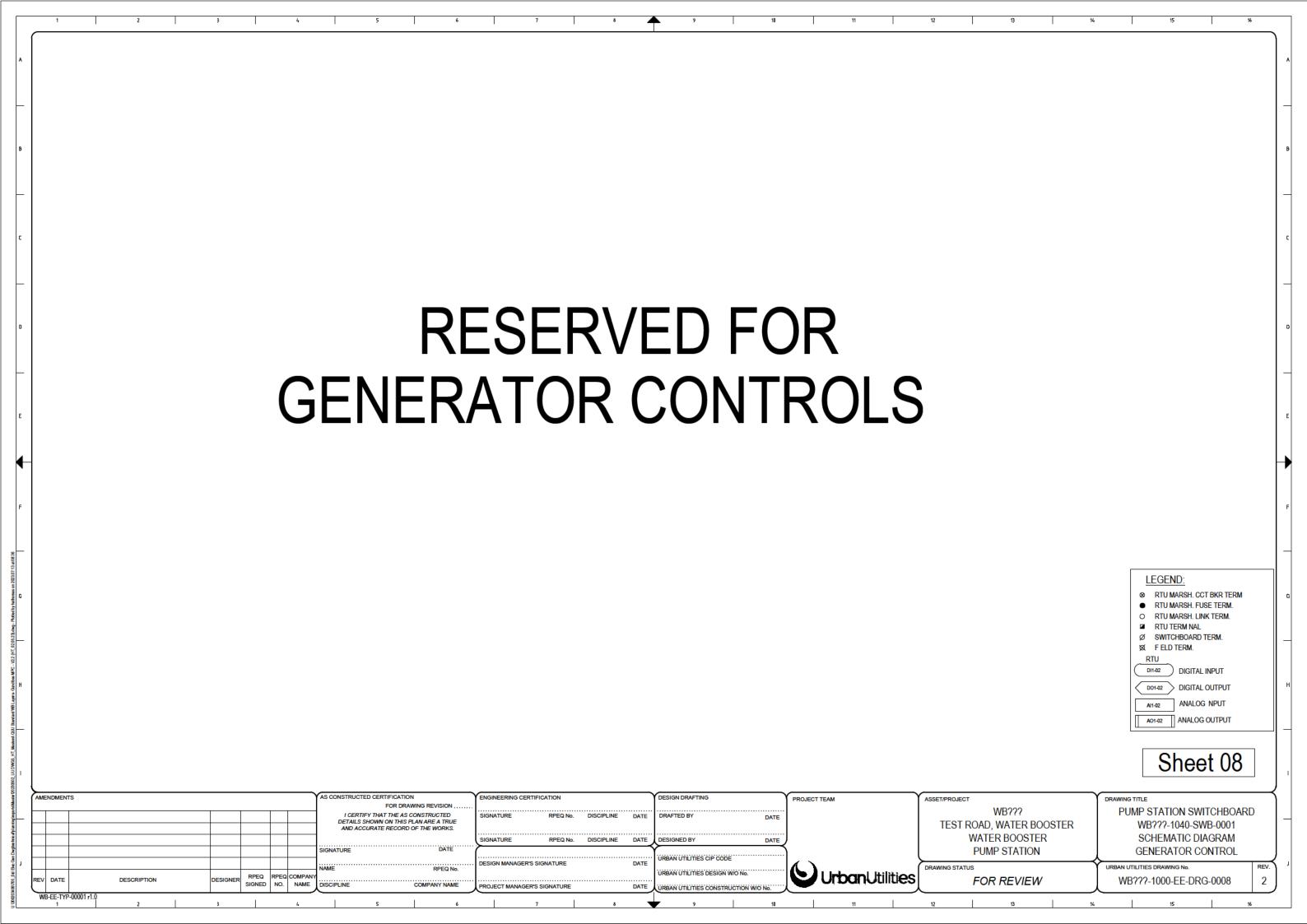


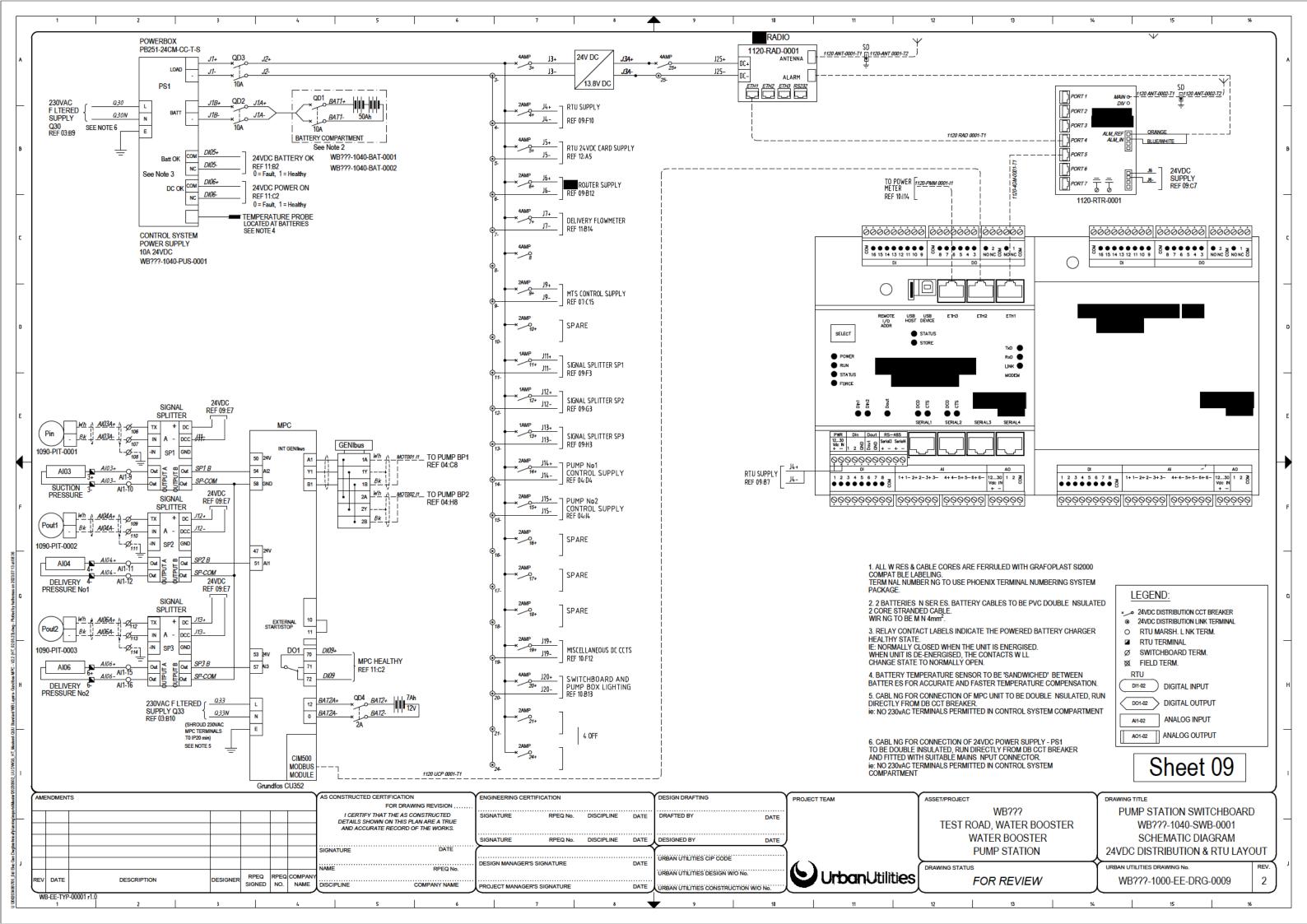


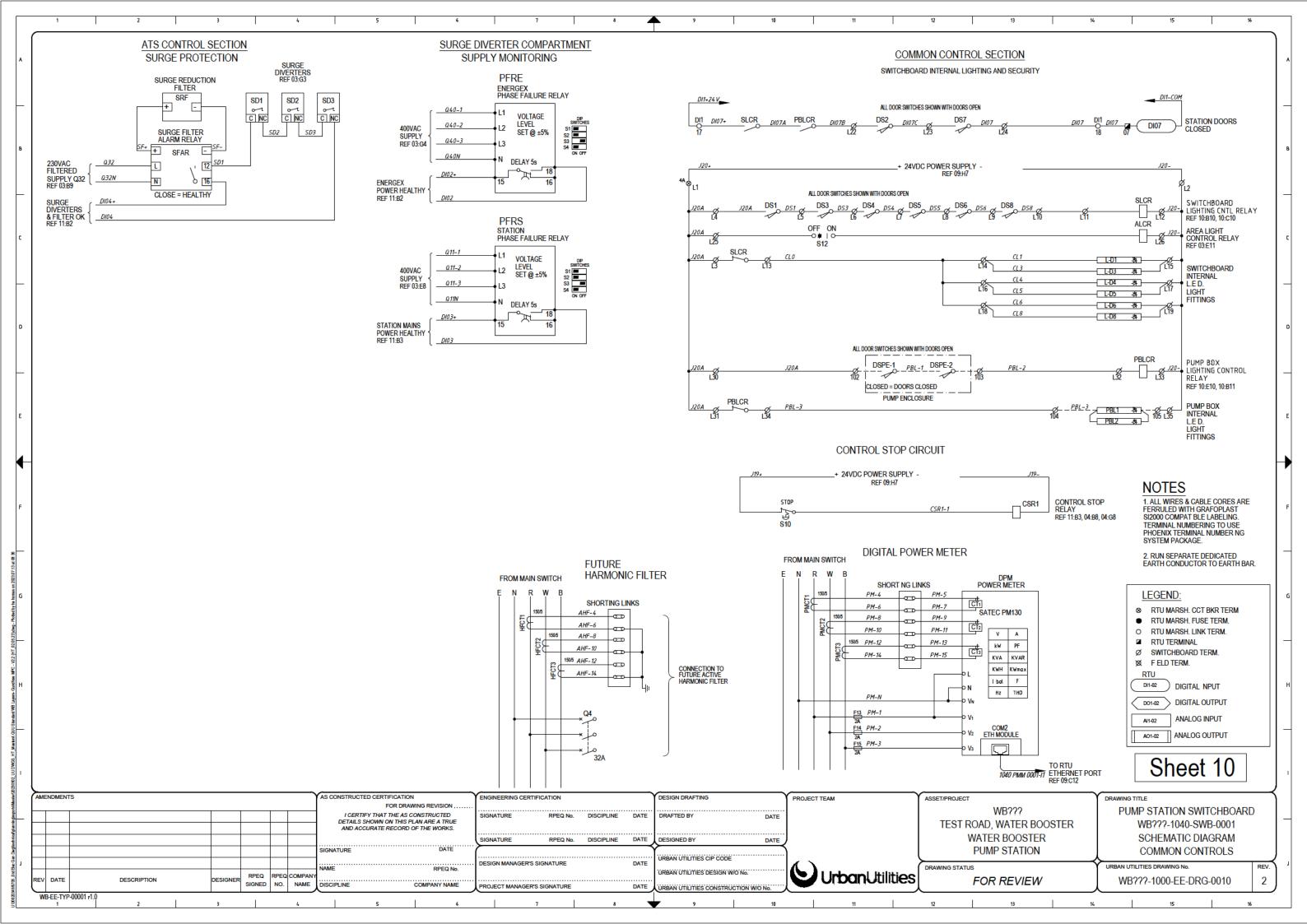


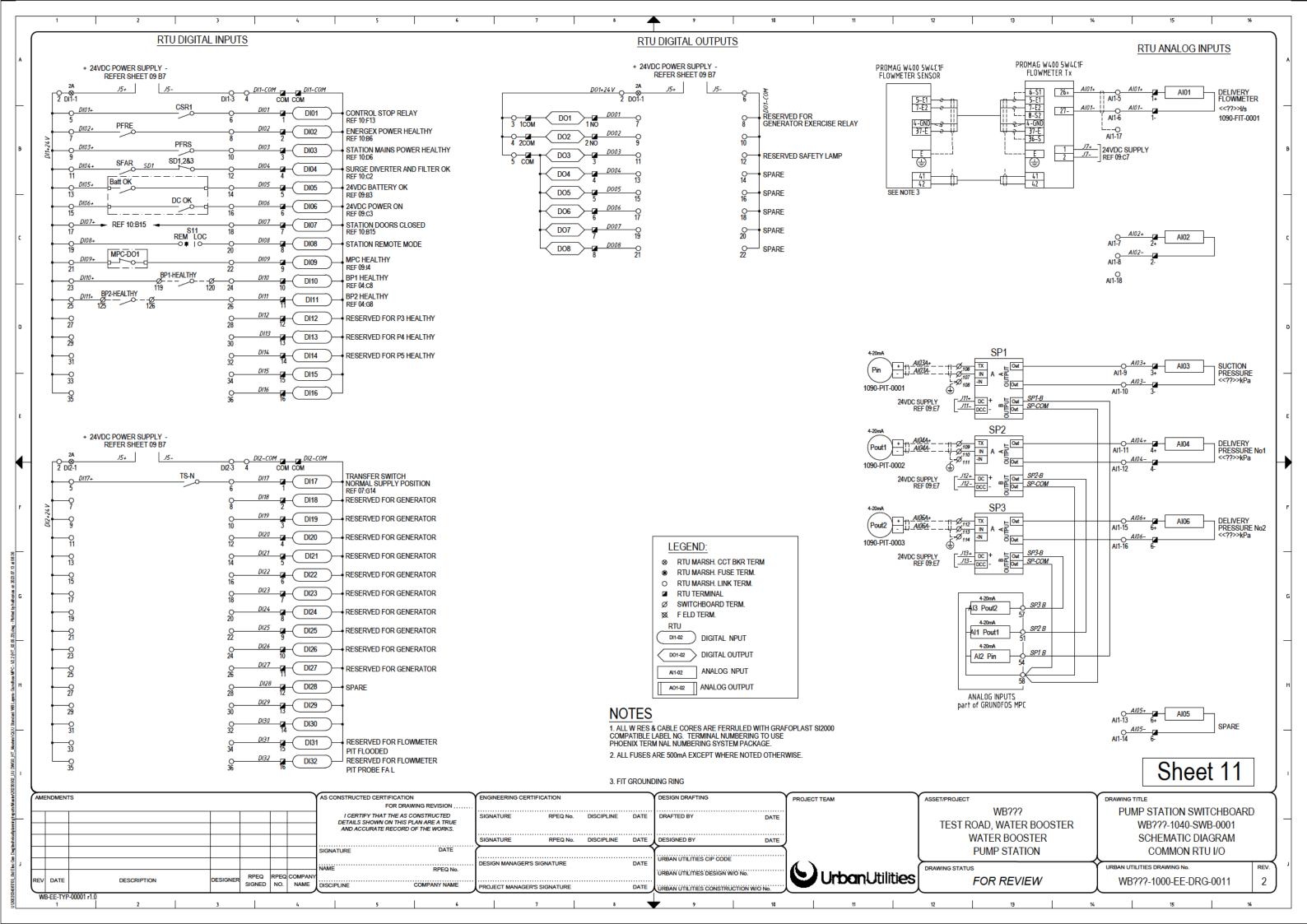


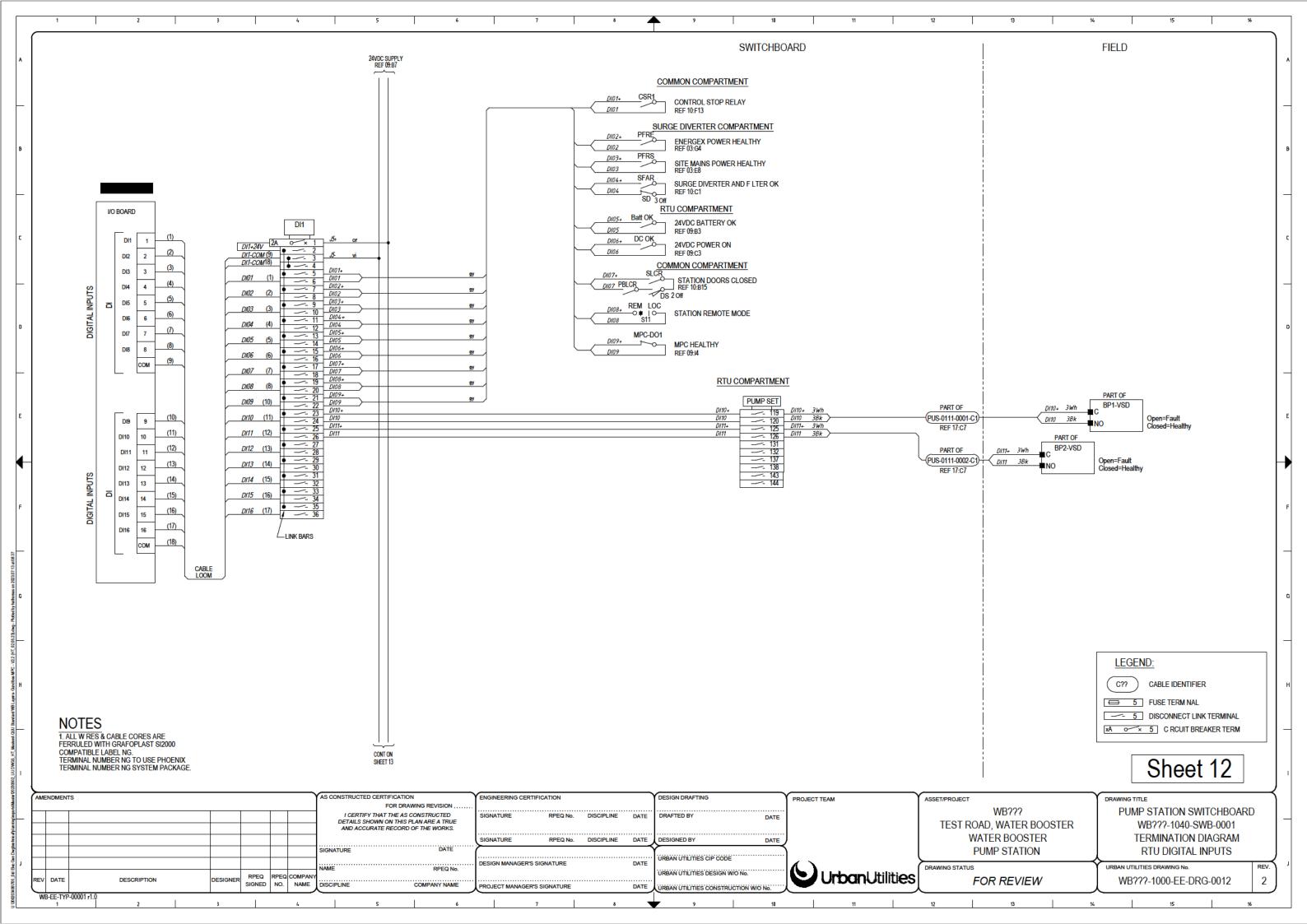


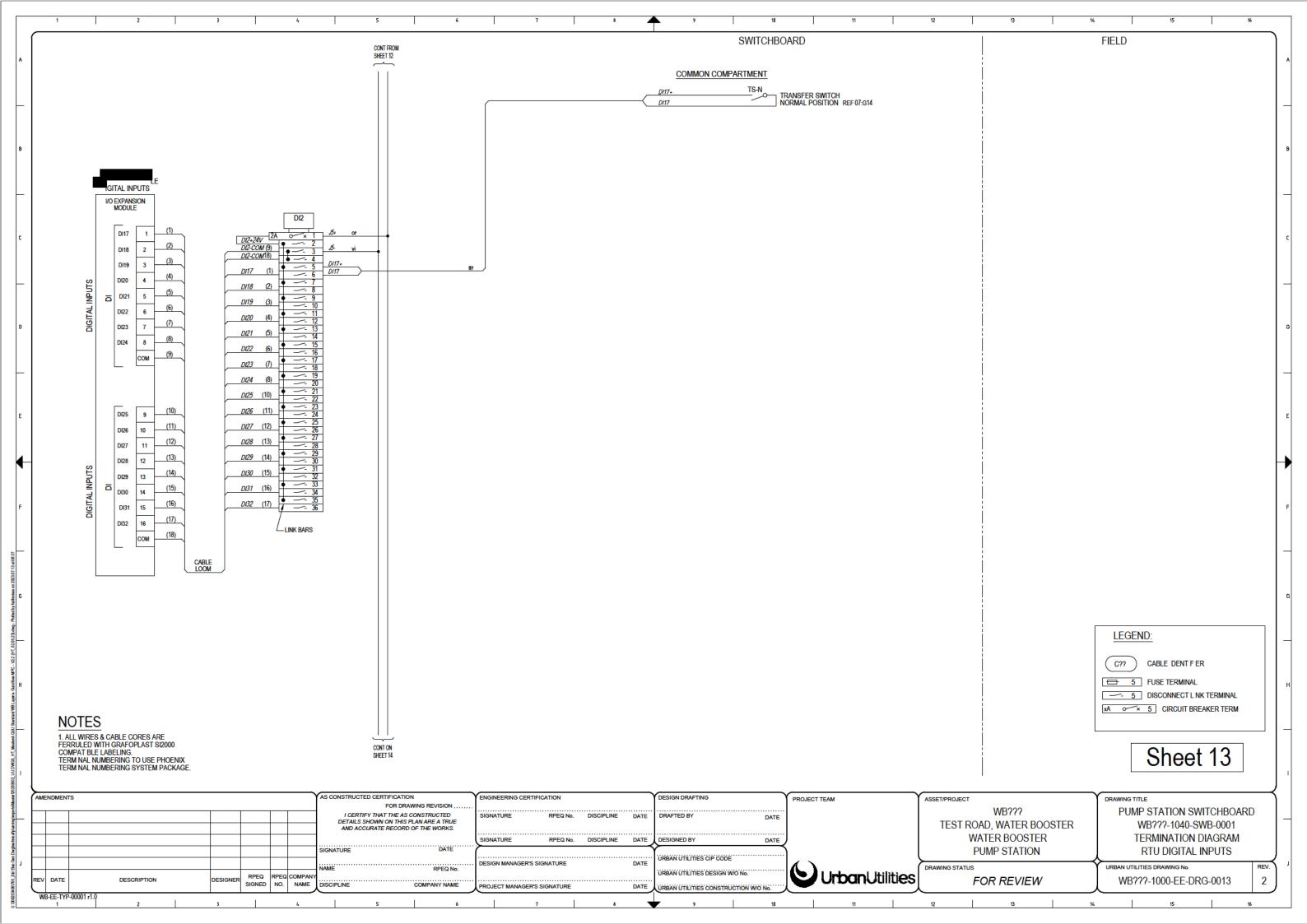


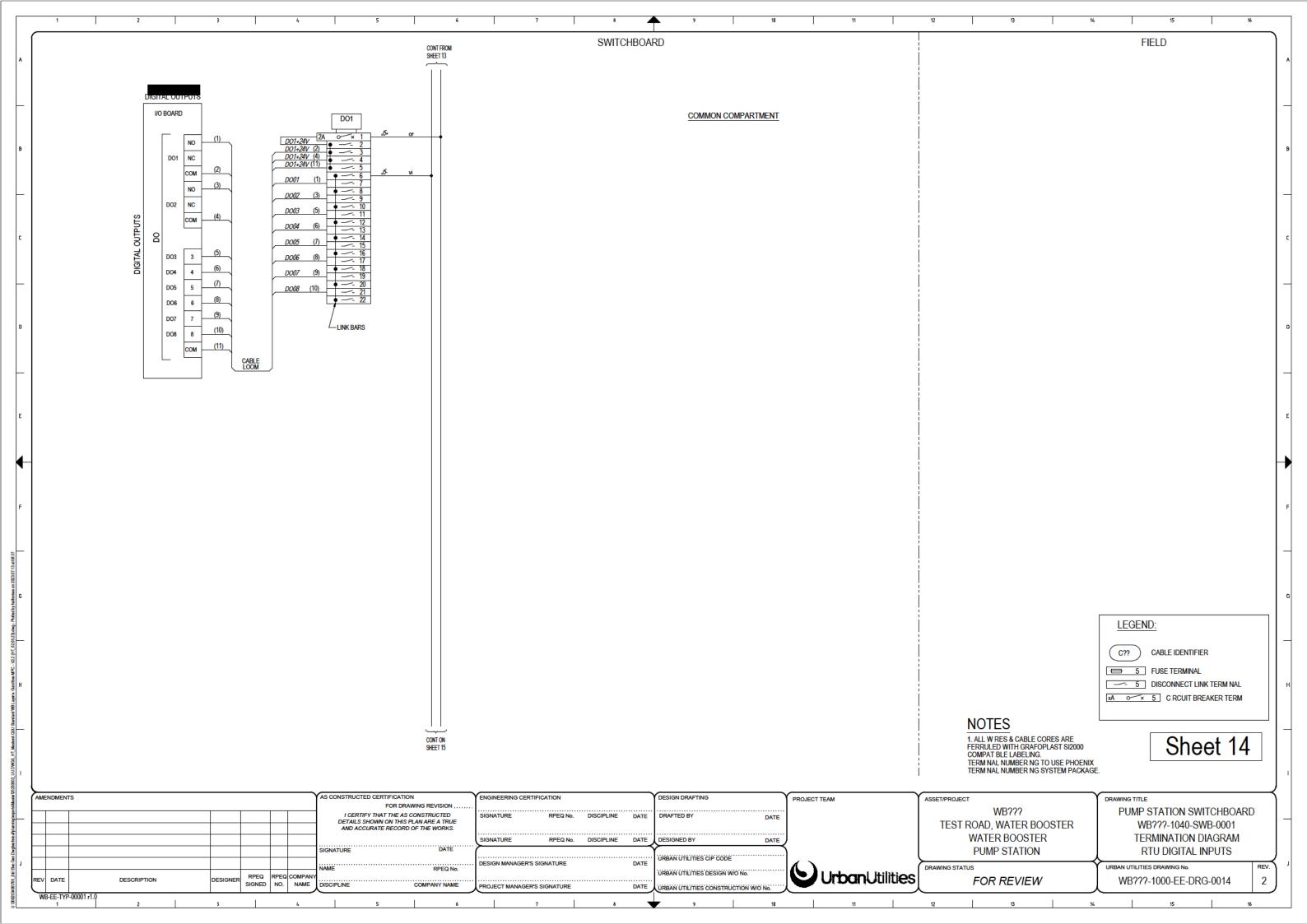


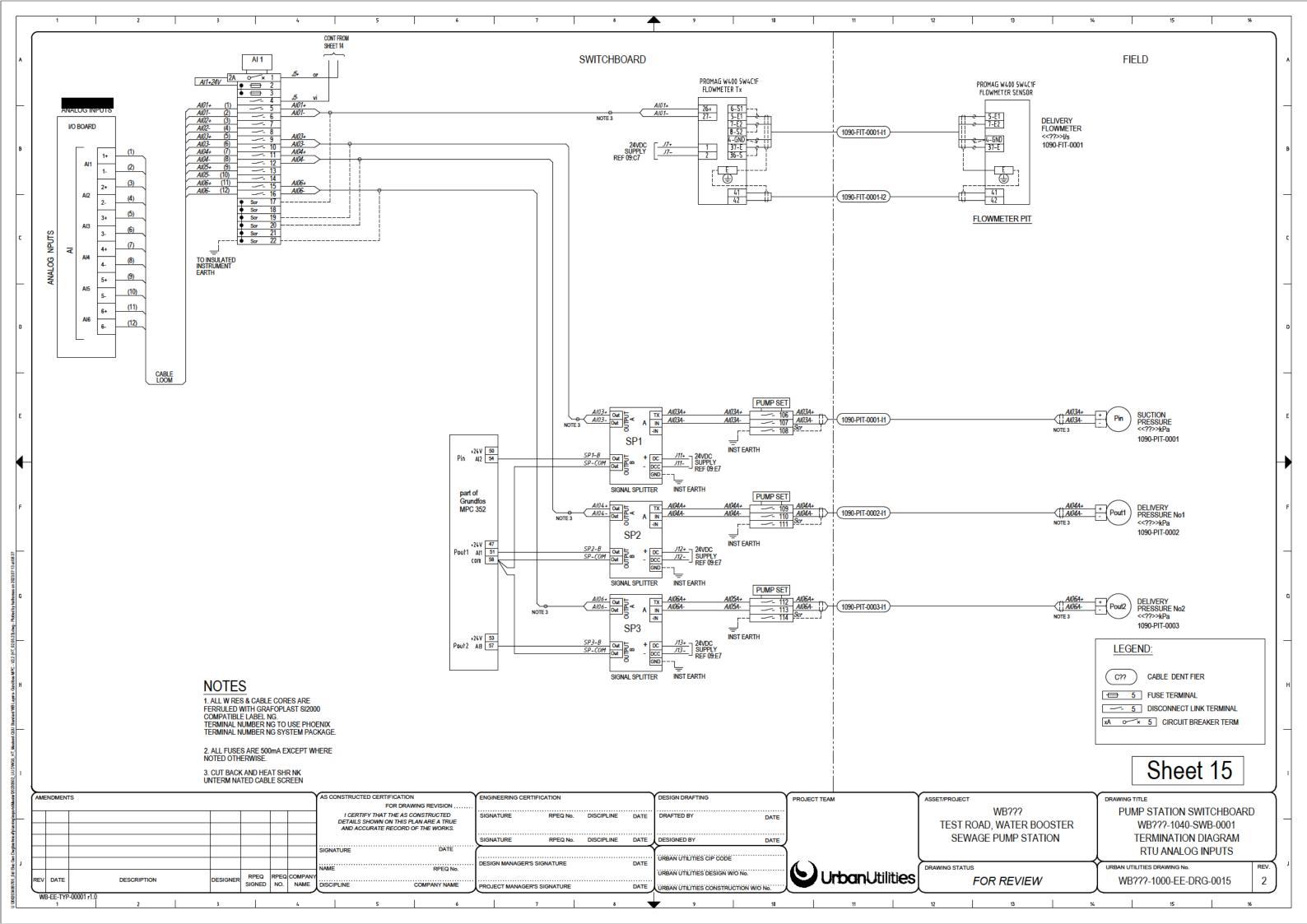


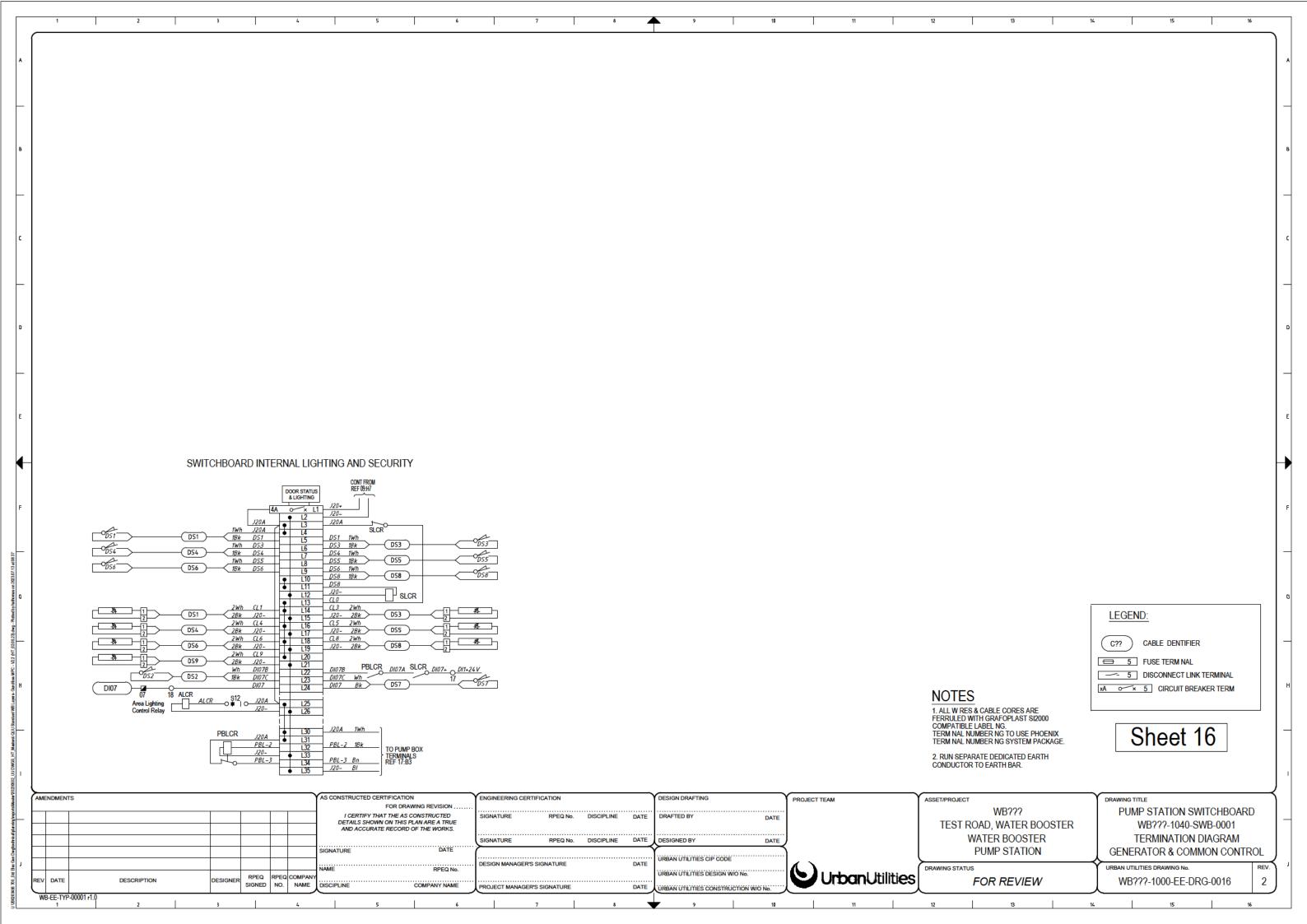


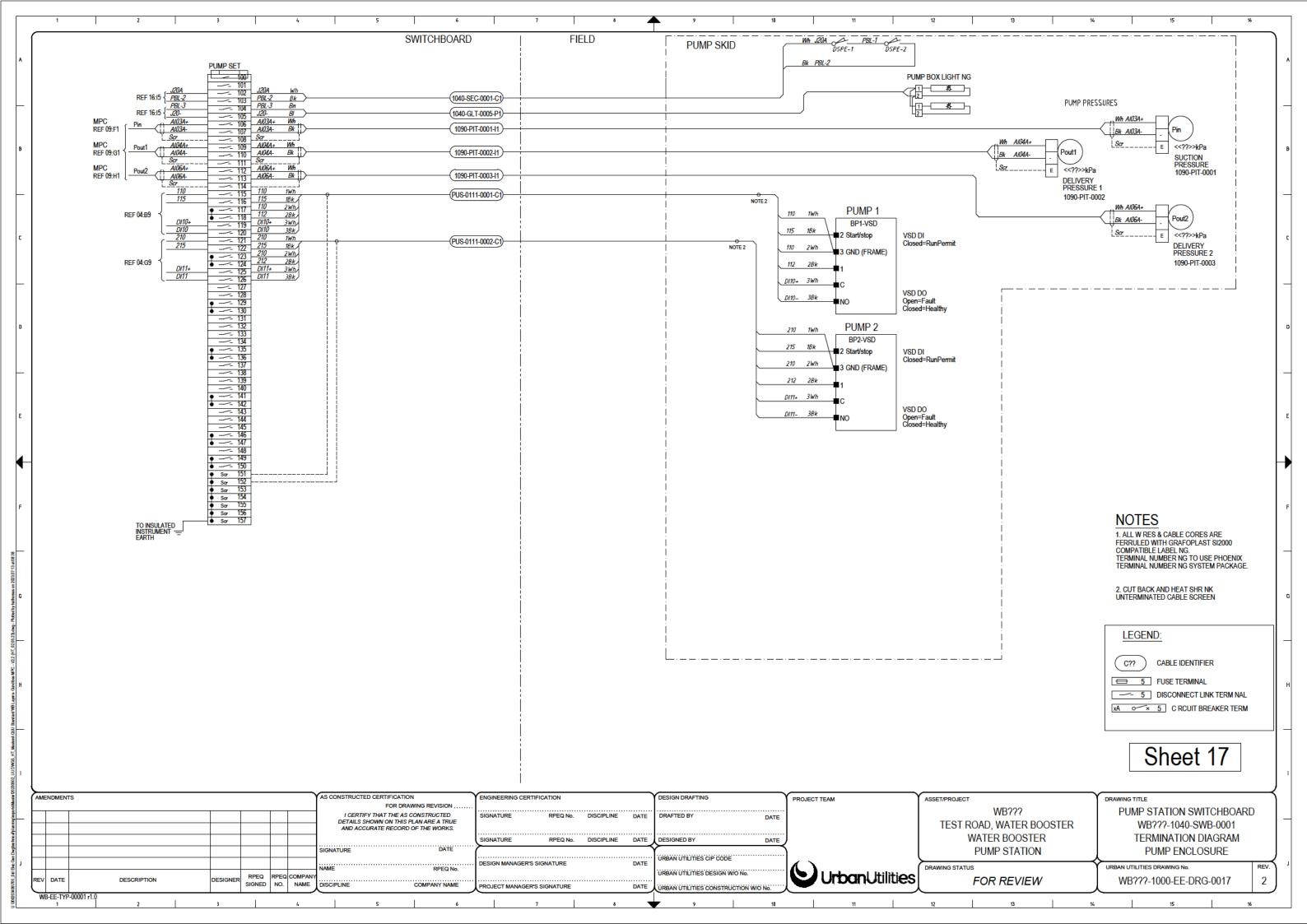












	1	2	;	4	5	6		7 8		9	10 11	1		12 13	14	15	16
ITEM	и ОТ	Y DESCRIPTION	MANUFACTURER	CATALOGUE No	REMARKS	ITEM (QTY	DESCRIPTION	MANUFACTURER	CATALOGUE No	REMARKS	ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOGUE No	REMARKS
1	w .	DESCRIPTION	W WOT NOT ONE !!	O TITLE COLL TO	KEMARNS	\vdash	2		III WOLLD TO TOTAL	150/5	KEMAKKS		4				
2	1	MANUAL TRANSFER SW c/w BACKPLATE + MECH I/LOCK	TERASAKI	< <mtss2ne12534>></mtss2ne12534>	Q2 Ir=t.b.a. Char=t.b.a.	60	3	ACTIVE HARMONIC FILTER - CT's				125	'	CONTROL SYSTEM POWER SUPPLY PS1	POWERBOX	PB251A-24CM-CC-T-S	24VDC 10A, 5A Charge/6A Output
3	٠,	MAIN SWITCHES: Q2-S250NE 3 125 Q3-S250NE 4 125	TERRORIE	olw ALIX CONTACTS	Q3 Ir=t.b.a. Char=t.b.a.	61	'	ACTIVE HARMONIC FILTER - AHF		t.b.a.		126		0.0.10.0			
4	_	Q4 HARMONIC FILTER CIRCUIT BREAKER 32A	TERASAKI	S125NJ 3 32 + T2HP Handle	Set Ir=0.63(20.2A) Im=1	62	6	ACTIVE HARMONIC FILTER - SHORTING LINKS	PHOENIX CONTACT	UGSK 6		127	1	24V/13.8VDC CONVERTER	POWER BOX	PBIH-2412G-CC	
5		1 Q5 PUMP 1 CIRCUIT BREAKER A	TERASAKI	S125NJ 3 20 + T2HB Handle	Set Ir=t.b.a. Im=t.b.a.	63	1	MTS NORMAL POSITION RELAY - TS-N	IDEC	RH1B-ULD-DC24V	+ SH1B-05	128					
6		1 Q6 PUMP 2 CIRCUIT BREAKER A	TERASAKI	S125NJ 3 20 + T2HB Handle	Set Ir=t.to.a. Im=t.to.a.	64			1			129	1	TELEMETRY UNIT - REFER SHT 18 FOR PARTS LIST			REFER TABLE 1 - SHT 18
		RESERVED FOR PUMP 3 CIRCUIT BREAKER				65						130	1	ETHERNET 8 PORT SWITCH			
		RESERVED FOR PUMP 4 CIRCUIT BREAKER				66						131	1	ROUTER			
		RESERVED FOR PUMP 5 CIRCUIT BREAKER		T		67						132	1	ROUTER COAX SURGE DIVERTER SDV-0005			
10	1	Q10 DISTRIBUTION BOARD CIRCUIT BREAKER 32A	TERASAKI	E125NJ 3 32 + T2HP Handle	Set Ir=0.63(20.2A) Im=6(192A)	68						102	'	OUTER CORA SUNCE DIVERTER SUV-0003			
11	_	1 Q11 STATION MAINS PHASE FAILURE CIRCUIT BREAKER	TERASAKI	DTCB10302C		\vdash											
			+		10kA 3P 2A "C" curve	69										+	
12		1 Q12 SURGE FILTER CIRCUIT BREAKER	TERASAKI	DTCB10110C	10kA 1P 10A "C" curve	70						135	1	RADIO			
13		1 Q13 SWBD SOCKET OUTLET CIRCUIT BREAKER	TERASAKI	DSRCBH-16-30A	10kA 1P 16A 30mA RCD	71			1			136	1	RADIO COAX SURGE DIVERTED SDV-0004			
14	1	1 Q14 SWBD LAPTOP SOCKET OUTLET CIRCUIT BREAKER	TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD	72						137	2	RADIO COAX CONNECTOR SDV-0004 TO ANT-0001			N-M,SUIT CNT-400
15		1 Q15 AREA LIGHTING CIRCUIT BREAKER	TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD	73						138	1	RADIO COAX CONNECTOR RAD-0001 TO SDV-0004			TNC-M,SUIT RG-58
16		1 Q16 GENERATOR AUX SUPPLY CIRCUIT BREAKER	TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD	74						139	1	RADIO COAX CONNECTOR SDV-0004 TO RAD-0001			N-M,SUIT RG-58
17		1 Q17 SPARE CIRCUIT BREAKER	TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD	75						140	2	LTE COAX CONNECTOR SDV-0005 TO ANT-0002			N-M,SUIT CNT-400
18			TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD	76						-	1				-
19		1 Q19 SPARE CIRCUIT BREAKER	TERASAKI	DSRCBH-10-30A	10kA 1P 10A 30mA RCD							141		LTE COAX CONNECTOR RTR-0001 TO SDV-0005		+=	TNC-M,SUIT RG-58
						77						142	1	LTE COAX CONNECTOR SDV-0005 TO RTR-0001			N-M,SUIT RG-58
20	_	Q20 SPARE CIRCUIT BREAKER	TERASAKI	DSRCBH-16-30A	10kA 1P 16A 30mA RCD	78						143	2	PS1 - BATTERIES - INCLUDING SPILL TRAYS	YUASA	UXH50-12	c/w SLIDES. 'UES DSCHMD 300MM'
21			1			79	1	SW/BD LIGHTING CONTROL RELAY - SLCR	IDEC	RH2B-ULD-DC24V	+ SH2B-05	144	1	MPC - BATTERY	YUASA	NP7-12	
22	\perp					80			1			145	1	MPC - BATTERY INCLOSURE (Sized To Suit)	NHP	ABS CLEAR LID	d/w PRESSURE COMPENSATION DI
23A	1	1 Q30 24VDC POWER SUPPLY PS1 CIRCUIT BREAKER	TERASAKI	DSRCBH-6-30A	10kA 1P 6A 30mA RCD	81	1	PUMP BOX LIGHTING CONTROL RELAY - PBLCR	IDEC	RH2B-ULD-DC24V	+ SH2B-05	146					
23B		1 Q31 SPARE CIRCUIT BREAKER	TERASAKI	DSRCBH-6-30A	10kA 1P 6A 30mA RCD	82	1	STATION LOCAL/REMOTE SWITCH - S11	KRAUS & NAIMER	CAD11-A720-600-FT2-F758	ENGRAVE 'LOCAL REMOTE'			SWITCHBOARD TERMINALS			
23C		1 Q32 SURGE FILTER ALARM RELAY CIRCUIT BREAKER	TERASAKI	DSRCBH-6-30A	10kA 1P 6A 30mA RCD	83	•	- IIII - OII		5755. MES 6001 121 130	LIGHT LOWE REMOTE	150.1	1-4		DUOCNIV CONTACT	DTA UFOLLED 24 (E. 20)	
23D	_							DEL NEDVE I AVENERA TELEVE		PROCESS COMMON TO A COMMON TO	DAMOE CO		Lot	FUSED TERMINALS with LED 24V INDICATION	PHOENIX CONTACT	PT4-HESI LED24 (5x20)	
		1 Q33 GRUNDFOS MPC CIRCUIT BREAKER	TERASAKI	DSRCBH-6-30A	10kA 1P 6A 30mA RCD	84	1	DELIVERY FLOWMETER TRANSMITTER FREE ISSUE	ENDRES & HAUSER	PROMAG W400 5W4C1F	RANGE «??»	150.2		FUSE CARTRIDGES	PHOENIX CONTACT	M205	RATINGS AS REQUIRED
23E		1 Q34 SPARE CIRCUIT BREAKER	TERASAKI	DSRCBH-6-30A	10kA 1P 6A 30mA RCD							150.3	Lot	MINIATURE THERMAL CIRCUIT BREAKER	PHOENIX CONTACT	TCP 'x'A + UK6FSI/C	'x' = AMP Rating
26	3	QD1, QD2 & QD3 PS1 24VDC BATT & LOAD CCT BKRS	TERASAKI	DTCB10210C	10kA 2P 10A "C" curve	86	1	GRUNDFOS PUMP CONTROL PANEL	GRUNDFOS	CU352		150.4	Lot	THROUGH TERMINALS	PHOENIX CONTACT	PT 2.5	
27	1	1 Q40 ENERGEX PHASE FAILURE CIRCUIT BREAKER	TERASAKI	DTCB15302C	15kA 3P 2A "C" curve	87	1	GRUNDFOS GATEWAY	GRUNDFOS	CIM500		150.5	Lot	DISCONNECT TERMINALS	PHOENIX CONTACT	PT 2.5-MT	
28		1 QD4 MPC BACKUP BATTERY CIRCUIT BREAKER	TERASAKI	DTCB10202C	10kA 2P 2A "C" curve	88	3	SIGNAL ISOLATOR SPLITTER 4-20mA	MOORE IND.	ECT/4-20mA/2x4-20mA/24DC/TX	c/w TRANSMITTER EXCITATION	150.6	Lot	EARTH TERMINALS	PHOENIX CONTACT	UT4-MTD-PE/S	
29	3	F1-3 SURGE DIVERTER CIRCUIT FUSES	NHP	32AMP HRC	FUSES & HOLDERS	89	_					150.7	Lot	COMPONENT CONNECTOR of RESISTOR	PHOENIX CONTACT	P-CO	+ DISCONNECT TERMINAL BLOCK
30	_	SURGE DIVERTER - SD1-3	CRITEC	TDS1100-2SR-277	Toda Gridabilo	90						150.8			+		* DIOCONNECT TERMINAL BLOCK
_					+							_	Lot	GROUP MARKER CARRIER	PHOENIX CONTACT	UBE	
31		1 SURGE FILTER ALARM RELAY - SFAR	CRITEC	DAR-275V		91						150.9	2	TEST PLUG ADAPTOR	PHOENIX CONTACT	PS-5	
32	_	1 SURGE REDUCTION FILTER - SRF	CRITEC	TDF-10A-240V		92						150.10	Lot	COVER PROFILE (SHROUDING) + CARRIER PLATE	PHOENIX CONTACT	AP-2 + AP2-TU	AS REQUIRED
33	1	1 ENERGEX PHASE FAILURE RELAY - PFRE	CARLO GAVAZZI	DPB01CM48W4		93			1			150.11	Lot	PLUG-IN BRIDGE	PHOENIX CONTACT	FBS	AS REQUIRED
34	1	1 SITE MAINS PHASE FAILURE RELAY - PFRS	CARLO GAVAZZI	DPB01CM48W4		94						152					
35						95						153					
36		1 DISTRIBUTION BOARD CHASSIS	TERASAKI	CD-2-24/18-3U	INSULATE ALL SPARE POLES	96						154	#	EARTH ROD CONNECTION BOXES	NESCO	ERB1 (if cased in slab)	Quantity as Required
37		1 MAIN NEUTRAL LINK	CLIPSAL	BPAH12	+ BP165F (Neutral)	100	3	POWER METER - CT's		150/5A		155	#	LINE TAPS - BONDING TO EARTHING ROD	CLIPSAL	BP26	Quantity as Required
38	١,	1 MAIN EARTH LINK	CLIPSAL	BPAHE12		101	1	POWER METER - DPM	SATEC	PM130EH-PLUS-5-50Hz-ACDC	c/w ETHERNET MODULE - ETH	156	#	EARTHING RODS	COPPER ROD	19mm D a. 3000mm Lth	Quantity as Required
39	_	1 MAIN PROTECTED NEUTRAL LINK	CLIPSAL	BPAH12	+ BP165F (Neutral)	-	1					157		LAKTIINO RODO	COLLKROD	ISHIII D & SOOMIIII EBI	Qualitity as required
	_		+	1	+ BP165F (Neutral)	102	3	POWER METER - POTENTIAL FUSES F13-15	NHP	2A HRC	FUSES & HOLDERS	158		THE PROPERTY OF THE PARTY OF TH			
40	_	1 DIST. BD NEUTRAL LINK	CLIPSAL	BP165D30	+ DF TOJF (Neutral)		6	POWER METER- SHORTING LINKS	PHOENIX CONTACT	UGSK 6			1	ENERGEX PADLOCK - 45mm brass pin tumbler			clw 2 KEYS
41		1 DIST. BD EARTH LINK	CLIPSAL	BP165D30		104						159					
42	! !	1 INSTRUMENT EARTH LINK	CLIPSAL	L13/25A	INSULATED	105	1	1 PHASE OUTLET - GEN ANCILLARY POWER - X3	CLIPSAL	5680310	IP56	160					
43	1	1 FILTERED SUPPLY NEUTRAL LINK	CLIPSAL	L7	INSULATED	106	1	3 PH N&E APPLIANCE INLET-GENERATOR POWER - X4	MENNEKES 63A	MEN361 + MEN14212	c/w PROTECTIVE CAP 40787	161					
44						107						162					
45						108						163	1	AREA FLOOD LIGHT - 140W	PIERLITE HIPPOMAXI 100	100W LED Flood light	IP65 Adjustable Aiming
46			1	1		109	-	1 DUASE SOCKET OUT IT 15A V1	CLIDOAL	15/15+90B (SHROUD)		164	-				
47	-		+	+		-	-	1 PHASE SOCKET OUTLET 15A - X1	CLIPSAL			165				+	
			+	+	+	110	1	LAPTOP SOCKET OUTLET 10A - X2	CLIPSAL	25+449A+449AP						+	
48	_		1	+		111						166					
49	_		1			112						167					
50						113	8	SW/BD DOOR MICRO SWITCHES	CAMSCO	SM202		168	╚				
51						114	6	Sw/Bd INTERNAL LED LIGHTS - Cool White	LUMIFA	LF1B-C3S-2THWW4		169					
52						115	2	CORROSION INHIBITOR	CORTEC	VPCI-110 OR 111	FROM AP CONTROLS				·		
53						116	1	AREA LIGHTING CONTROL SWITCH - S12	KRAUS & NAIMER	CA10-A220-600-FT2-F721	ENGRAVE 'OFF ON'						
54			1	1		-	-	AREA LIGHT CONTROL SWITCH - 312 AREA LIGHT CONTROL RELAY - ALCR	IDEC	RH1B-ULD-DC24V							
55	_	1 CONTROL STOP RELAY - CSR1	ODDEOUED & COLUMN	CS7-40E-24E	24VDC COIL	117	-	ANEA LIGHT CONTROL RELAT - ALCK	IULU	14110-0L0-0024V	+ SH1B-05						
	_	· COMMON STOP RELATI - GORT	SPRECHER & SCHUH	00140E-24E	LTTUV VVIL	118			 								
56	_		1			119	2	PUMP BOX INTERNAL LED LIGHTS - Cool White	LUMIFA	LF1B-C3S-2THWW4							
57	_		1			120	2	PUMP BOX DOOR MICRO SWITCHES	CAMSCO	SM202	2 OFF N/O						
58		1 CONTROL STOP PUSHBUTTON - S10	SPRECHER & SCHUH	D7P-MT34-PX01S		121			1							Qh	eet 18
59						122											GG[10
		·	•			ightharpoons	$\overline{}$			1	$\overline{}$			~			
IEND	DMENT:	S		Y AS CONS	STRUCTED CERTIFICATION	γ	ENGI	NEERING CERTIFICATION	DESIGN DE	RAFTING	PROJECT TEAM			ASSET/PROJECT	YDF	RAWING TITLE	
_	ı	1	<u> </u>	———	FOR DRAWING REVISION I CERTIFY THAT THE AS CONSTRUCTED		elet.	ATTIDE DOEAN DISCOURSE	DATE DRAFTED	DV				WB???		PUMP STATIC	N SWITCHBOARD
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