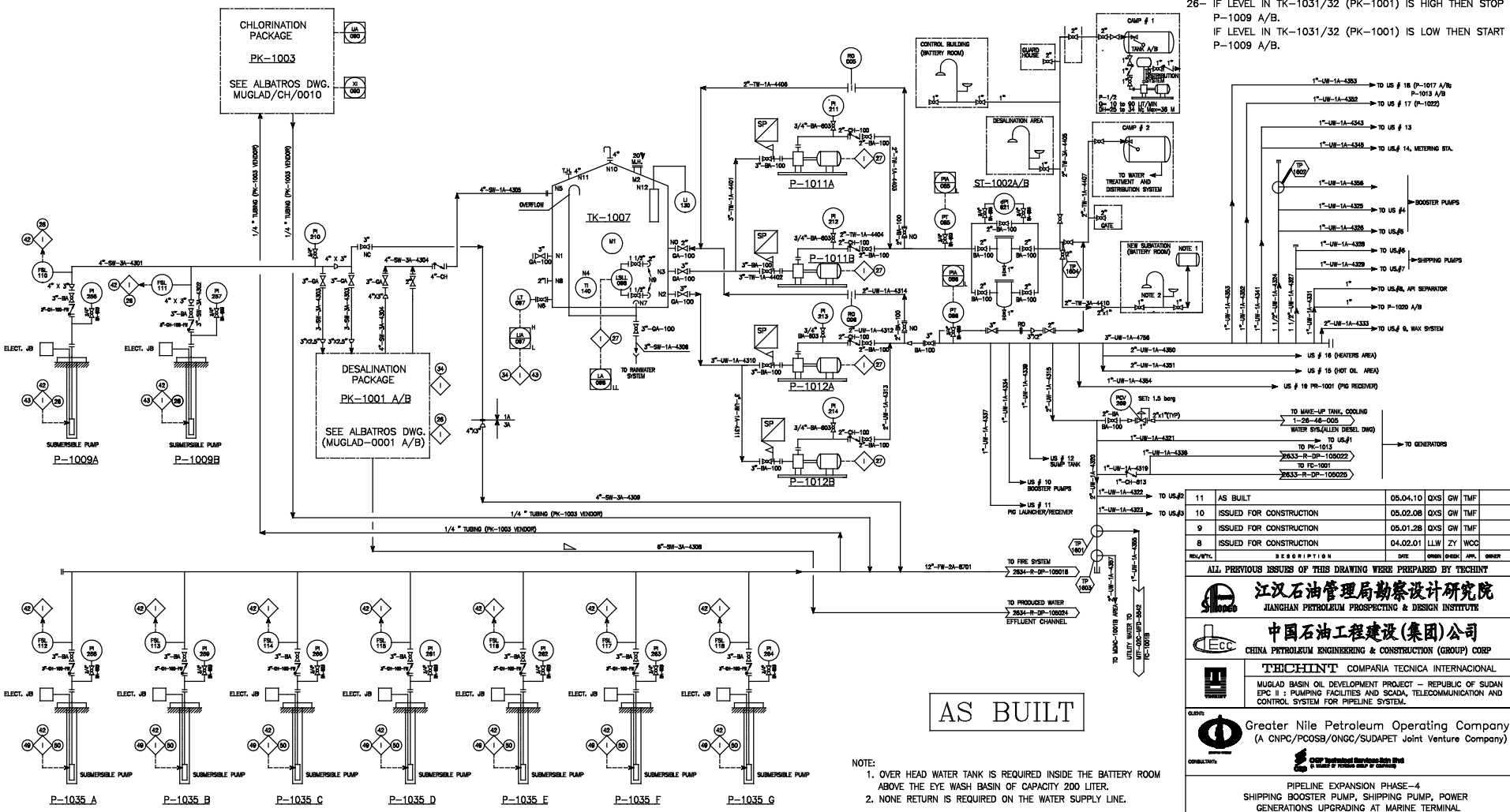


<b>P-1009A/B</b> WATER WELL PUMP CAPACITY: 20 m <sup>3</sup> /h ΔP: 400 kPa DRIV=5.5 KW DP=5 barg DT=55 C	<b>P-1035 A/G</b> FIREWATER MAKE UP PUMPS CAPACITY: 50 m <sup>3</sup> /h ΔP: 350 kPa DRIV=7.5KW DP=8 barg DT=60 C	<b>PK-1001 A/B</b> DESALINATION PACKAGE INLET FLOW= 20 m <sup>3</sup> /h DRIVER = 30 KW	<b>PK-1003</b> CHLORINATION PACKAGE CAPACITY: 0.06 LITS/MIN	<b>TK-1007</b> TREATED WATER TANK SIZE: 6000mm ø X 6000mm HIGH CAPACITY: 160 m <sup>3</sup> DP= ATM DT= 50 C	<b>P-1011 A/B</b> POTABLE WATER PUMP CAPACITY: 6 m <sup>3</sup> /hr ΔP: 150 kPa DRIV=1.5KW DP= 3 barg DT=55 C	<b>P-1012 A/B</b> UTILITY WATER PUMP CAPACITY: 8 m <sup>3</sup> /hr. ΔP: 1000 kPa DRIV=15KW DP=20 barg DT=55 C	<b>ST-1002 A/B</b> POTABLE WATER FILTERS PARTICLE SIZE: 5 MICRON CAPACITY: 4 m <sup>3</sup> /hr. ΔP: 20 kPa (DIRTY) DP=4 barg DT=100 C	<b>CAMP#1 WATER TANK A/B</b> CAPACITY: 16 m <sup>3</sup> (DP=ATM) Dim.=2 DIA.X5 T/T meter <b>CAMP#2 WATER TANK</b> CAPACITY: 110 m <sup>3</sup> (DP=ATM) Dim.=3 DIA.X 14 T/T meter
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- INTERLOCK NUMBER:**
- 27- IF LEVEL IN TK-1007 IS LOW-LOW THEN STOP PUMPS P-1011 A/B AND P-1012 A/B
  - 42- IF FLOW IN DISCHARGE CONNECTION IS LOW THEN STOP CORRESPONDING PUMP
  - 43- IF LEVEL IN TK-1007 IS HIGH THEN STOP P-1009 A/B. IF LEVEL IN TK-1007 IS LOW THEN START P-1009 A/B.
  - 34- IF LEVEL IN TK-1007 IS HIGH THEN STOP P-1048 A/B AND P-1049 A/B (PK-1001 A/B). IF LEVEL IN TK-1007 IS LOW THEN START P-1048 A/B AND P-1049 A/B (PK-1001 A/B).
  - 26- IF LEVEL IN TK-1031/32 (PK-1001) IS HIGH THEN STOP P-1009 A/B. IF LEVEL IN TK-1031/32 (PK-1001) IS LOW THEN START P-1009 A/B.



**AS BUILT**

- NOTE:
1. OVER HEAD WATER TANK IS REQUIRED INSIDE THE BATTERY ROOM ABOVE THE EYE WASH BASIN OF CAPACITY 200 LITER.
  2. NONE RETURN IS REQUIRED ON THE WATER SUPPLY LINE.

REV.	DATE	DESCRIPTION	BY	CHKD	APP.	REVISOR
11	AS BUILT					
10	ISSUED FOR CONSTRUCTION	05.02.08	OXS	GW	TMF	
9	ISSUED FOR CONSTRUCTION	05.01.28	OXS	GW	TMF	
8	ISSUED FOR CONSTRUCTION	04.02.01	LLV	ZY	WCC	

ALL PREVIOUS ISSUES OF THIS DRAWING WERE PREPARED BY TECHINT

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JIANGHAN PETROLEUM PROSPECTING & DESIGN INSTITUTE

**中国石油工程建设(集团)公司**  
CHINA PETROLEUM ENGINEERING & CONSTRUCTION (GROUP) CORP

**TECHINT** COMPANIA TECNICA INTERNACIONAL  
MUGLAD BASIN OIL DEVELOPMENT PROJECT - REPUBLIC OF SUDAN  
EPC II - PUMPING FACILITIES AND SCADA, TELECOMMUNICATION AND CONTROL SYSTEM FOR PIPELINE SYSTEM.

**Greater Nile Petroleum Operating Company**  
(A CNPC/PCOSB/ONGC/SUDAPET Joint Venture Company)

PIPELINE EXPANSION PHASE-4  
SHIPPING BOOSTER PUMP, SHIPPING PUMP, POWER GENERATIONS UPGRADING AT MARINE TERMINAL

CONTRACT N° GNPC/98/2003/03C PROJECT N° 20037

DRAWING TITLE: PORT SUDAN MARINE TERMINAL PIPING & INSTRUMENTATION DIAGRAM TREATED / POTABLE WATER SYSTEM

N/S	7AC55161-11.DWG	MTF-17009-MFD-5516	1	1
SCALE	CADD. N°	AREA N°	JOB N°	TYPE
			SEQ. N°	SH. N°
			REV.	