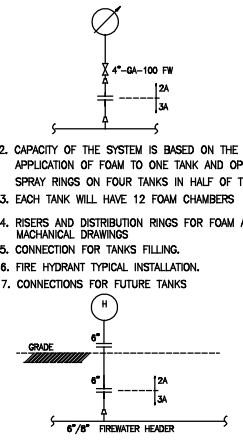


- NOTES:
- FIREWATER MONITOR TYPICAL INSTALLATION. MONITORS DESIGN IS BASED ON 77 METERS EFFECTIVE REACH AT 10 bar PRESSURE.
 - CAPACITY OF THE SYSTEM IS BASED ON THE SIMULTANEOUS APPLICATION OF FOAM TO ONE TANK AND OPERATION OF SPRAY RINGS ON FOUR TANKS IN HALF OF THE PERIMETER.
 - EACH TANK WILL HAVE 12 FOAM CHAMBERS
 - RISERS AND DISTRIBUTION RINGS FOR FOAM AND SPRAY SEE MECHANICAL DRAWINGS
 - CONNECTION FOR TANKS FILLING.
 - FIRE HYDRANT TYPICAL INSTALLATION.
 - CONNECTIONS FOR FUTURE TANKS



AS BUILT

7	AS BUILT	05.04.10	LLW	ZY	WCC
6	ISSUED FOR CONSTRUCTION	04.02.04	LLW	ZY	WCC
5A	ISSUED FOR APPROVAL	03.12.30	LLW	ZY	WCC

江汉石油管理局勘察设计院
JIANGHAN PETROLEUM PROSPECTING & DESIGN INSTITUTE

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

HIGILEG PETROLEUM SERVICES & INVESTMENT CO. LTD

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
MARINE TERMINAL 400,000bbl STORAGE TANKS (TK107 & TK-108) & ASSOCIATED UPGRADING

CONTRACT N°	GNPC/98/2003/03C	PROJECT N°	20037
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DRIVING TITLE: PORT SUDAN MARINE TERMINAL PIPING & INSTRUMENTATION DIAGRAM FIREWATER DISTRIBUTION SYSTEM

NONE	BACS5271-7-DWG	MTF-17009-MFD-5527	1	7
SCALE	CADD. N°	AREA N°	JOB N°	TYPE
			SEC. N°	REV. N°

DATE: 05/04/10