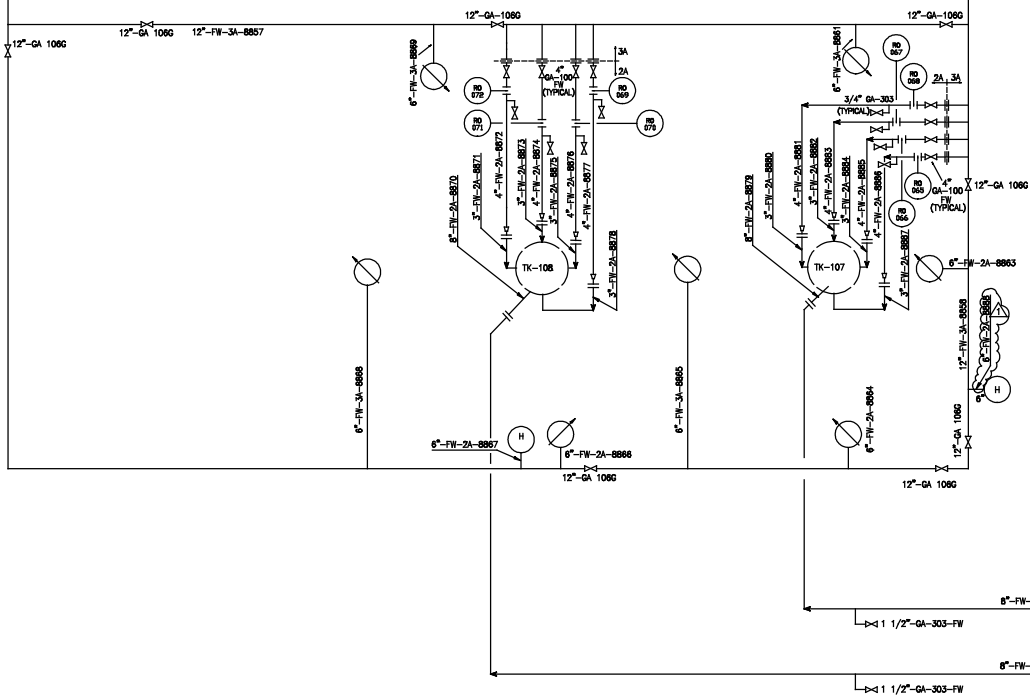
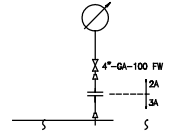


FROM EXISTING FIREWATER  
MTF-17000-MFD-3527  
RING HEADER

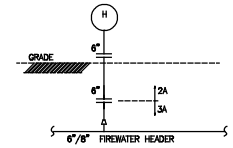
FROM EXISTING FIREWATER  
MTF-17000-MFD-3527  
RING HEADER



- NOTES:
1. FIREWATER MONITOR TYPICAL INSTALLATION.  
MONITORS DESIGN IS BASED ON 77 METERS EFFECTIVE REACH AT 10 bar PRESSURE.



2. 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.
3. EACH TANK WILL HAVE 12 FOAM CHAMBERS
4. RISERS AND DISTRIBUTION RINGS FOR FOAM AND SPRAY SEE MECHANICAL DRAWINGS
5. FIRE HYDRANT TYPICAL INSTALLATION.



- 6- ON THIS DRAWING, ALL INSTRUMENTS TAG SEQUENCE NUMBERS SHALL BE PRECEDED BY 10, THIS PREFIX INDICATE THE PLANT LOCATION.

AS BUILT

2	AS BUILT	05.04.10	LLW	ZY	WCC
1	ISSUED FOR CONSTRUCTION	04.03.31	LLW	ZY	WCC
0	ISSUED FOR CONSTRUCTION	04.02.04	LLW	ZY	WCC
A	ISSUED FOR APPROVAL	03.12.30	LLW	ZY	WCC

REV./BY:	DESCRIPTION	DATE	DESIGN	CHECK	APP.	REAPP.
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**江汉石油管理局勘察设计研究院**  
JIANGNAN PETROLEUM PROSPECTING & DESIGN INSTITUTE

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

**HICLEG PETROLEUM SERVICES & INVESTMENT CO. LTD**

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

CONTRACTORS: SINOPEC INTERNATIONAL ENGINEERING DESIGN INSTITUTE

PIPELINE EXPANSION PHASE-4  
MARINE TERMINAL 400,000bbl STORAGE TANKS (TK107 & TK-108) & ASSOCIATED UPGRADING

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

DRAWING TITLE: **PIPING & INSTRUMENTATION DIAGRAM**  
FIREWATER DISTRIBUTION SYSTEM

NONE	8AC5531-2.DWG	MTF-03C-MFD-5553	1	
SCALE	CADD. N°	AREA N°	JOB N°	TYPE