



GENERAL NOTES:

- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.  
B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-..  
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-..  
D. FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.  
E. FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.  
F. DRAWING NUMBERS SHOWN IN P&ID CONTINUATION BOXES ARE ABBREVIATED SHOWING DRAWING SEQUENTIAL NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.  
G. FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.  
H. DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.  
I. PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.  
J. LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.  
K. FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.  
L. FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

1. FLUSHING CONNECTION IS PROVIDED AT END OF COLLECTION HEADERS, AND AT ANY CHANGES IN DIRECTION OF UNDERGROUND PIPE OF 90°.  
2. ADDITIONAL CLEANING FACILITIES ARE PROVIDED AT ANY CHANGES IN DIRECTION OF 45° AND AT A MAXIMUM OF 50 METRE INTERVALS ON STRAIGHT RUN.  
3. EQUIPMENT AND INSTRUMENT ISOLATION VALVES ARE SHOWN ON CONTINUATION P&IDs.  
4. 4"-CO INDICATES CLEAN OUT FLANGE IN CONCRETE CLEAN OUT PIT.  
5. ALL DRAIN PIPING SHOWN IN THIS P&ID IS TO BE LAID UNDERGROUND, EXCEPT IN CLEAN-OUT PIT.  
6. DELETED.  
7. LOCATION AND NUMBER OF DRAIN DRUMS IS CONFIRMED BY EPC CONTRACTOR.  
8. TIE-IN FOR DRAIN LINES INTO SUB HEADER FROM BRANCH HEADER IS AT 45° IN THE DIRECTION OF FLOW.  
9. SLOPE OF ALL THE BRANCH LINES, MAIN & SUB HEADERS ARE 1:200 IN THE DIRECTION OF FLOW.

AS-BUILT
KOC APPROVAL
NAME / KOC No:
DESIGNATION:
GROUP / TEAM:
SIGNATURE:
DATE:

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME: VAIBHAV VERMA
DESIGNATION: AGM
SIGNATURE:
DATE: 07-Aug-2018
DEPT/ DIVISION: ENGINEERING

Z0	ISSUED FOR AS-BUILT	AKG	SRA	RAK	07.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	12.12.16
0	ISSUED FOR CONSTRUCTION	PAK/CHS	AKG	SRA	28.04.16
D	ISSUED INCORPORATED CLIENT COMMENTS	HSH/VSA	AKG	SRA	18.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	PAK/CHS	AKG	SRA	03.11.15
0C	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	04.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	20.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	11.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM
				APPRD.	DATE

CONTRACTOR REVISION

**KUWAIT OIL CO.** **شركة نفط الكويت**  
**K. S. C.** **ش.م.ك.**  
A Subsidiary of Kuwait Petroleum Corporation

CONTRACTOR DETAILS:-  
**LARSEN & TOUBRO LIMITED**  
FARIDABAD

PROJECT TITLE:-  
NEW GATHERING CENTRE GC-30  
IN NORTH KUWAIT

DOCUMENT TITLE:-  
**PIPING & INSTRUMENTATION DIAGRAM**  
**CRUDE EXPORT AREA GRAVITY DRAIN SYSTEM**

PROJECT NO.	DRAWING NO.	REV.	KOC DRG. NO.	REV.
EF1902	50489-530-020-PID-1206	Z0		
	SHEET NO. 1 OF 1		SHEET NO.	
	COMPANY DRG. NO.	REV.		
	EF1902-530-DCO-PID-0206.001	A2		
	SHEET NO.			