



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-1108.001, .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. DELETED.
6. DELETED.
7. SLOPE OF ALL THE BRANCH LINES, MAIN & SUB HEADERS ARE 1:200 IN THE DIRECTION OF FLOW.
8. TIE-IN FOR DRAIN LINES INTO SUB HEADER FROM BRANCH HEADER IS AT 45° IN THE DIRECTION OF FLOW.
9. ALL DRAIN PIPING SHOWN IN THIS P&ID IS LAID UNDERGROUND, EXCEPT IN CLEAN-OUT PIT.

AS-BUILT

KOC APPROVAL

NAME / KOC No.:
DESIGNATION :
GROUP / TEAM :
SIGNATURE :
DATE :

AS-BUILT

LARSEN & TOUBRO LIMITED

NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 26-Aug-2018
DEPT/ DIVISION : ENGINEERING

Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	26.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	12.12.16
0	ISSUED FOR CONSTRUCTION	PAK/CHS	AKG	SRA	RAK	05.05.16
D	ISSUED INCORPORATED CLIENT COMMENTS	HSR/VSA	AKG	SRA	RAK	18.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	04.11.15
0C	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	04.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	20.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	RAK	11.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION



CONTRACTOR DETAILS:-

LARSEN & TOUBRO LIMITED
FARIDABAD

PROJECT TITLE:-

NEW GATHERING CENTRE GC-30
IN NORTH KUWAIT

DOCUMENT TITLE:-

PIPING & INSTRUMENTATION DIAGRAM
TANKAGE AREA GRAVITY DRAIN SYSTEM HEADER

PROJECT NO.	CONTRACTOR DRG. NO.	DRAWING NO.	REV.	KOC DRG. NO.	REV.
EF1902	50489-530-020-PID-1207.003	Z0			
	SHEET NO. 3 OF 3				
	COMPANY DRG. NO.				
	EF1902-530-DCO-PID-0207.003	A2			
	SHEET NO.				