

TO SAND WASHING
DRAIN VESSEL PUMP
1205.005

8"-DP-1306-N10B

NOTE 7

1:200

SEPARATOR (C-101/201/301) AREA

FROM LP WET CRUDE
SEPARATOR (C-301) TRAIN C

1117

6"-DP-3121-N10B

FROM LP WET CRUDE
SEPARATOR (C-201) TRAIN B

1116

6"-DP-2121-N10B

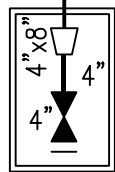
FROM LP WET CRUDE
SEPARATOR (C-101) TRAIN A

1115

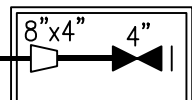
6"-DP-1121-N10B

8"-DP-1302-N10B

NOTE 7



C.O PIT
NOTE 4



NOTE 4

1:200

FROM 1ST STAGE CRUDE
DESALTER (C-102) TRAIN A

1135.001

6"-DP-1321-N10B

FROM 2ND STAGE CRUDE
DESALTER (C-103) TRAIN A

1136.001

6"-DP-1320-N10B

DESALTER (C-102/103/202/203) AREA

NOTE 7

FROM 1ST STAGE CRUDE
DESALTER (C-202) TRAIN B

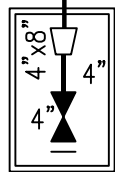
1135.002

6"-DP-2321-N10B

FROM 2ND STAGE CRUDE
DESALTER (C-203) TRAIN B

1136.002

6"-DP-2320-N10B



C.O PIT
NOTE 4

GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030--.
- FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
- 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.
- 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.
- FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
- DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

- FLUSHING CONNECTION IS PROVIDED AT END OF COLLECTION HEADERS, AND AT ANY CHANGES IN DIRECTION OF UNDERGROUND PIPE OF 90°.
- ADDITIONAL CLEANING FACILITIES TO BE PROVIDED AT ANY CHANGES IN DIRECTION OF 45°, AND AT A MAXIMUM OF 50 METRE INTERVALS ON STRAIGHT RUN DURING DETAILED DESIGN.
- EQUIPMENT ISOLATION VALVES ARE SHOWN ON CONTINUATION P&IDs.
- 4"-CO INDICATES CLEAN-OUT FLANGE IN CONCRETE CLEAN OUT PIT.
- SLOPE OF ALL THE BRANCH LINES, MAIN & SUB HEADERS ARE 1:200 IN THE DIRECTION OF FLOW.
- TIE-IN FOR DRAIN LINES INTO SUB HEADER FROM BRANCH HEADER IS AT 45° IN THE DIRECTION OF FLOW.
- 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 : 07-Aug-2018

DEPT/ DIVISION : ENGINEERING

| | | | | | | |
|------|-------------------------------------|---------|---------|--------|-----|----------|
| Z0 | ISSUED FOR AS-BUILT | BAK/SSI | AKG | SRA | RAK | 07.08.18 |
| 01 | ISSUED FOR CONSTRUCTION | BAK/SSI | AKG | SRA | RAK | 07.12.16 |
| 0 | ISSUED FOR CONSTRUCTION | PAK/CHS | AKG | SRA | RAK | 05.05.16 |
| C | ISSUED INCORPORATED CLIENT COMMENTS | HSH/CHS | AKG | SRA | RAK | 17.03.16 |
| B | ISSUED INCORPORATED CLIENT COMMENTS | JSI/CHS | AKG | SRA | RAK | 19.12.15 |
| A | ISSUED INCORPORATED CLIENT COMMENTS | JSI/ABY | AKG | SRA | RAK | 27.10.15 |
| 0A | ISSUED FOR APPROVAL | JSI/ABY | AKG | SRA | RAK | 04.06.15 |
| 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
SAND WASHING DRAIN SYSTEM HEADER

| PROJECT NO. | DRAWING NO. | | | |
|-------------|-----------------------------|------|--------------|------|
| EF1902 | CONTRACTOR DRG. NO. | REV. | KOC DRG. NO. | REV. |
| | 50489-530-020-PID-1203.001 | | Z0 | |
| | SHEET NO. 1 OF 3 | | SHEET NO. | |
| | COMPANY DRG. NO. | REV. | | |
| | EF1902-530-DC0-PID-0205.002 | A1 | | |
| | SHEET NO. | | | |