



40. STRAIGHT LENGTH REQUIRED
 - (a) FOR ORIFICE FLOW METER : 20D UPSTREAM & 5D DOWNSTREAM
 - (b) FOR THERMAL MASS FLOW METER : 10D UPSTREAM & 5D DOWNSTREAM
 - (c) DELETED.
41. ENSURE THAT LOCATION OF BALL VALVE PROVIDED ON THE DRAIN LINE CLOSE TO THE DIVERTING DRAIN LINE TO THE FURNEL.
 42. DELETED.
 43. DISTRIBUTOR PIPE.
 44. PURGE CONNECTION IS PROVIDED ON TANK VAPOUR OUTLET LINE.
 45. EMERGENCY VENT VALVE, ONE SHALL BE INSTALLED & ONE SHALL BE WAREHOUSE SPARE.
 46. ONLY ONE PVRV IS TO BE REMOVED AT A TIME FOR MAINTENANCE/INSPECTION WHEN TANK IS IN SERVICE.
 47. J11A/B/C/ SPARE NOZZLE ELEVATIONS:-
 - J11A : 300 mm FROM TOP OF THE TANK
 - J11B : CENTER FROM TOP OF THE TANK & BOTTOM NOZZLE
 - J11C : 500 mm ABOVE THE BOTTOM OF THE TANK
 48. ONE ADDITIONAL INTERNAL CORROSION MONITORING POINT SHALL BE INSTALLED AT THE TOP AT 12'O CLOCK POSITION.
 49. VENT LINE SHALL BE EXTENDED TO 100mm ABOVE THE HEADER.

IT WILL BE USED AS VENT DURING MAINTENANCE PURPOSE WHEN TANK ISOLATION VALVE & XV/ESDV WILL BE IN CLOSED POSITION.

SAME ARRANGMENT WILL BE APPLICABLE FOR TANK D-001/002/003, D-006A/B, D-007/008.
 50. 2" VENT ALONG WITH FLANGE CONNECTION WILL BE PROVIDED AS LOOSE SUPPLY BY L&T.

NOTES:

1. DELETED.
2. XV's LOCATED OUT SIDE OF THE TANK BUNDED AREA.
3. FOR DETAILS OF FIRE PROTECTION SYSTEM & PIT LOCATION REFER TO DRAWING 50489-530-000-PID-1116 FOAM SYSTEM PID.
4. IF VALVE XV & MOV AT TANK OUTLET IS NOT FULLY OPEN, THE ASSOCIATED PUMP (G-006A/B PID: 1154.002) IS INHIBITED FROM STARTING OR, IF RUNNING STOPPED.
5. THERMAL MASS FLOW METER.
- 6,7,29,30 DELETED.
8. PVRV HAS SPARE VALVE. DRIP PAN FOR PVRV PIPED IS CONNECTED TO TANK BASE.
9. PVRV IS N+2 WITH FLAME ARRESTOR & AS PER KOC-MV-007 CL 9.6.
10. CAPACITY OF CONTROL VALVE IS NOT MORE THAN PVRV OUT BREATHING CAPACITY. 4000 N3m³/hr (3.59 MSCFD).
11. SUCCTION LINE IS SIZED FOR BOTH SLOPS PUMPS OPERATING FROM ONE TANK.
12. MOBILE PUMP CONNECTION.
13. THE ISOLATION VALVE FOR TANK VAPOUR LOCATED NEAR TO TV FLARE HEADER.
14. TANK BOTTOM DRAIN NOZZLE FLUSHING.
15. LOCATE ON THE GROUND.
16. LOCATE ON THE ROOF OF TANK.
17. TRICOCKS ELEVATIONS TO BE ALIGNED WITH TANK LEVEL.
18. DELETED.
19. DELETED.
20. 2 OUT OF 3 VOTING.
21. TWO FIXED OIL SKIMMERS ARE LOCATED BETWEEN NLL & HLL.
22. FY PROVIDES PRESSURE AND TEMPERATURE COMPENSATION FOR FOI.
23. MAXIMUM CAPACITY TANK BOTTOM TO HILL.
24. MULTIPLE LEVEL GAUGES ARE PROVIDED TO COVER ALL OPERATING RANGES.
25. FOR SAMPLE NOZZLE DETAIL SEE STANDARD DWG 50489-530-020-PID-1108.001.
26. DEVIATION OF PIT-0501 A/B OUTPUT BY 5% INITIATES ALARM.
27. HIGH POINT VENT TO BE LOCATED ON PIPE.
28. OPERATION OF MOV-0502 & MOV-0507 (PID:-1154.004) ARE INTERLOCKED SUCH THAT
 - (a) SINGLE TANK OPERATION D-007 - MOV-0502 OPENED & MOV-0507 CLOSED
 - (b) SINGLE TANK OPERATION D-008 - MOV-0507 OPENED & MOV-0502 CLOSED
 - (c) PARALLEL TANK OPERATION D-007/D-008 - EITHER MOV-0502 OR MOV-0507 OPENED OR BOTH MOV'S OPENED
31. LEVEL 2 SHUTDOWN INITIATED ONLY WHEN BOTH XV-0501 & XV-0506 (PID: 1154.004) ARE IN CLOSED CONDITION AS THE TANK SHALL NOT BE ABLE TO RECEIVE WATER FROM COLLECTION HEADER. LIMIT SWITCHES FOR XV-0501 & XV-0506 (PID: 1154.004) ARE SIL-2.
32. LEVEL 2 SHUTDOWN INITIATED IF BOTH LAHH-0502 & LAHH-0505 (PID: 1154.004) ON D-007/008 ARE HIGH HIGH LEVEL.
33. DRAIN TO BE PROVIDED TO NEARBY GRAVITY DRAIN ALONG THE LINE WORKS AT EVERY LOW POINT.
34. MECHANICAL INTERLOCK OF EACH INDIVIDUAL DISPOSAL LINE DRAIN VALVES AT EVERY LOW POINT. 4"-WT-1325-095B ON MANIFOLD (PID: 1154.005) WITH ISOLATION VALVE ON REVERSE FLUSHING LINE (LINE NO. 4"-WT-1362-095B, PID: 1154.001 & 4"-WT-1363-095B, PID: 1154.004).
35. DELETED.
36. LIT-0500 SHALL COVER THE WHOLE RANGE OF LEVEL IN THE SLOP TANK.
37. FOR CORROSION MONITORING STATIONS (CMS):-
 - (a) CMS ARE INSTALLED AS PER KOC-MP-035.
 - (b) PROPER ACCESS PIT OR PLATFORM ARE PROVIDED FOR RETRIEVAL OF COUPEN/PROBE.
 - (c) MATERIAL FOR CMS ARE PROCURED FROM KOC APPROVED VENDOR LIST.
 - (d) CMS ARE LOCATED IN BOTTOM 6 O'CLOCK POSITION.
 - (e) TAG NUMBERING OF CMS IS AS PER APPENDIX-C OF KOC-MP-035.
38. CLEANOUT DOORS.
39. DELETED.

REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	09.12.18
Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	24.09.18
O1	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	02.11.16
O	ISSUED FOR CONSTRUCTION	HSH/VSA	AKG	SRA	RAK	25.03.16
D	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	23.12.15
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	14.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	30.05.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	19.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	05.12.14

A 1