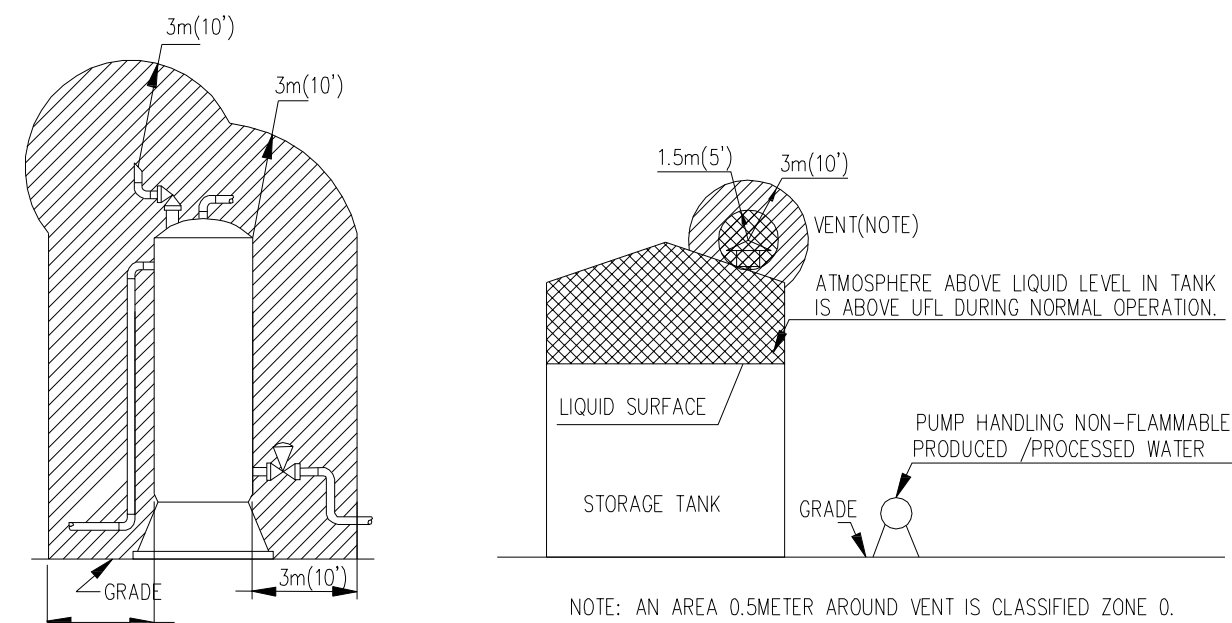
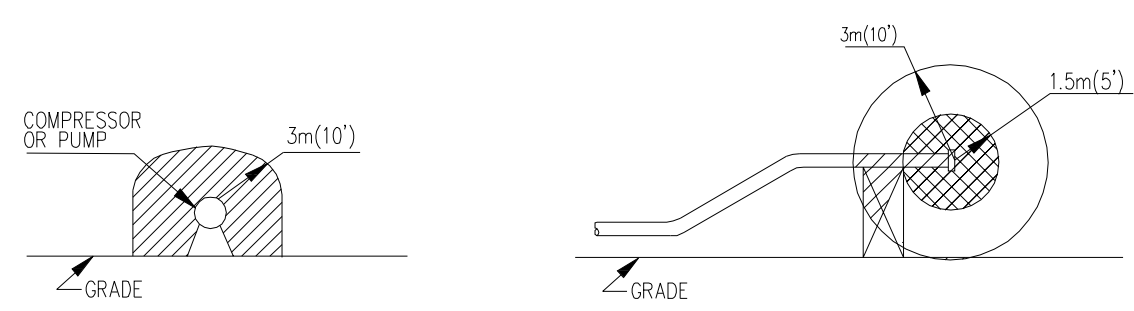
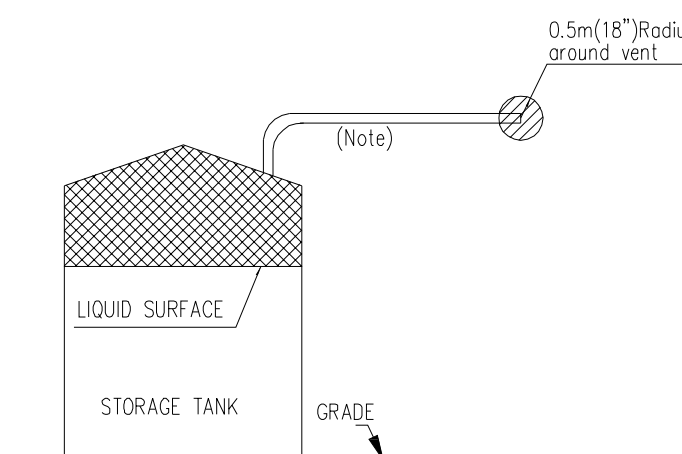


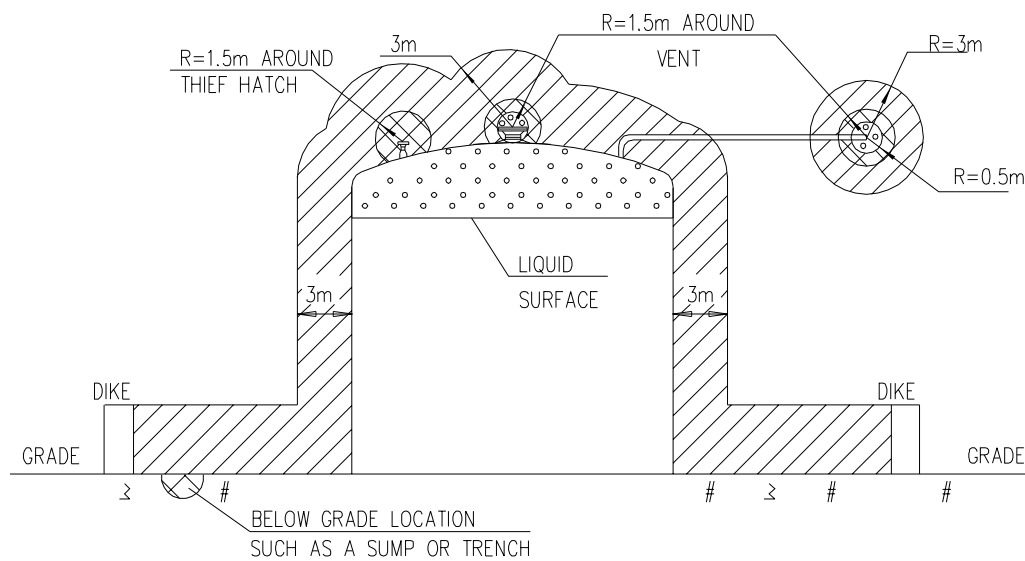
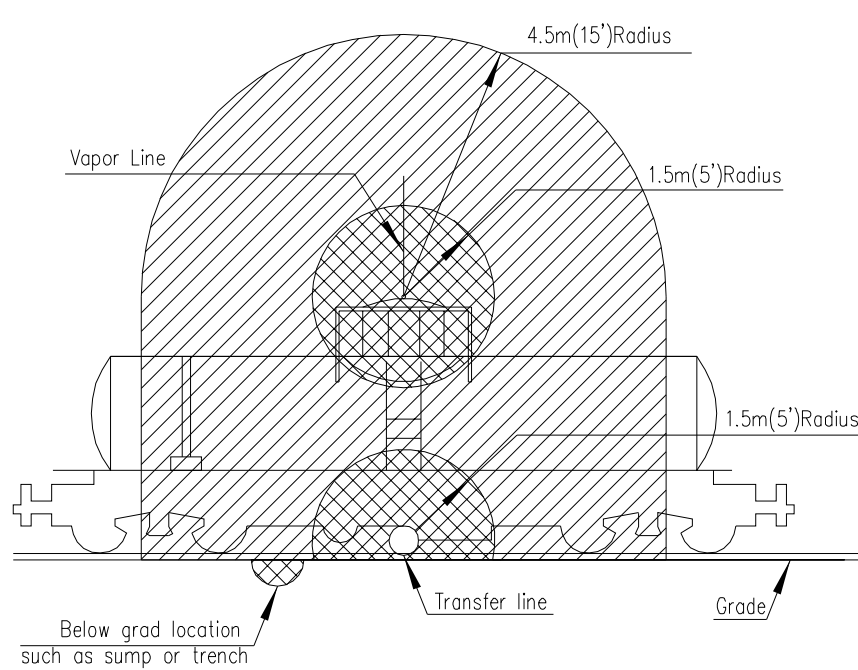
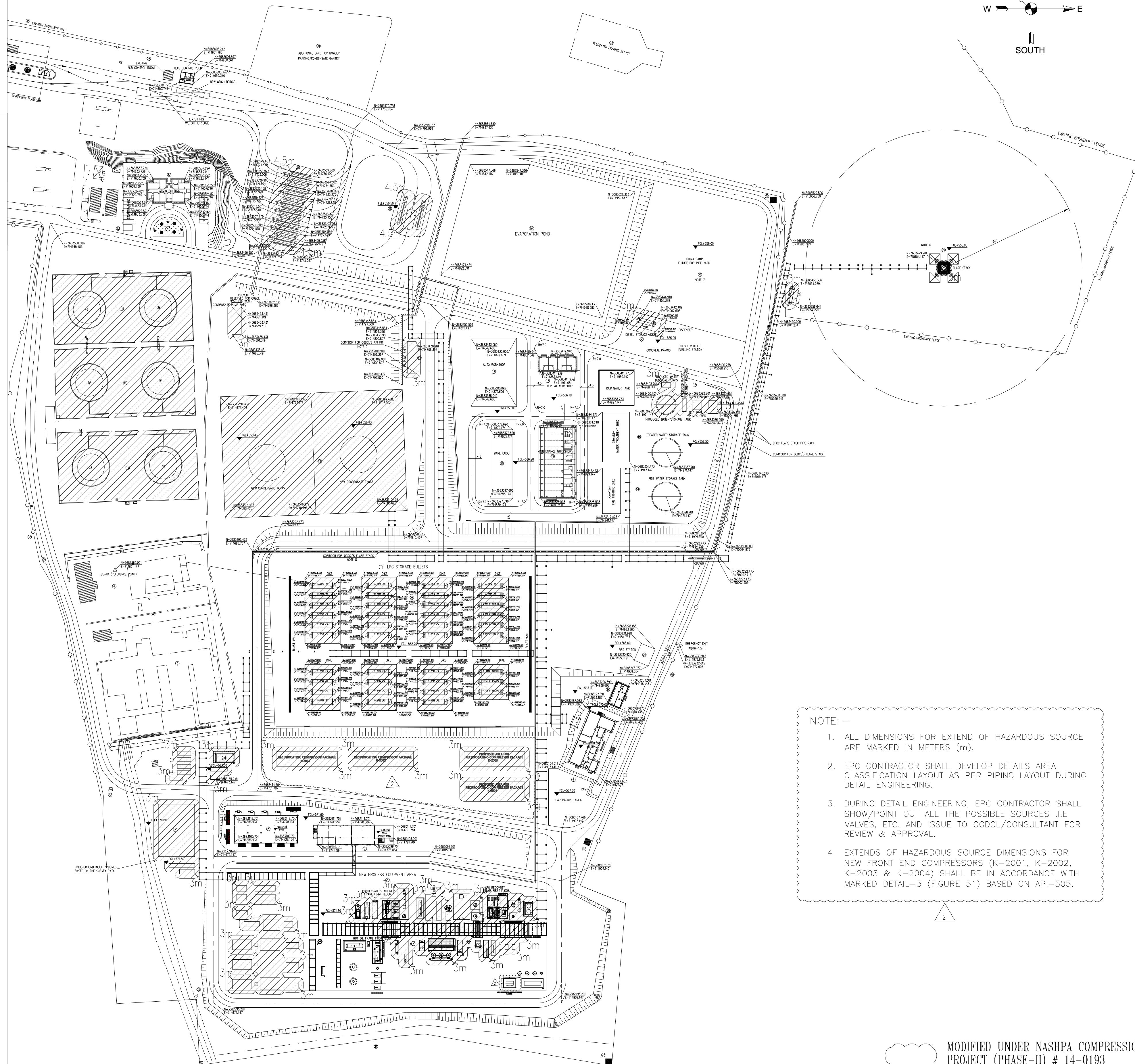
HAZARDOUS AREA CLASSIFICATION SECTION AND DETAIL



NOTE: AN AREA 0.5METER AROUND VENT IS CLASSIFIED ZONE 0.

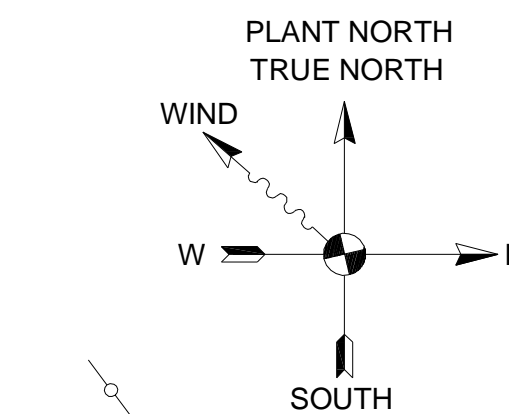
DETAIL 3 (FIGURE 51)
COMPRESSOR OR PUMP IN AN ADEQUATELY VENTILATED NONENCLOSED AREADETAIL 4 (FIGURE 49)
BALL OR PIG LAUNCHING OR RECEIVING INSTALLATION IN EN NONENCLOSED ADEQUATELY VENTILATED AREA

NOTE: THE INTERIOR OF THE VENT PIPING IS ZONE 1. CROSS HATCHING HAS BEEN OMITTED OF DRAWING CLARITY.

DETAIL 5 (FIGURE 8)
COMBUSTIBLE LIQUID STORAGE TANK IN A NONENCLOSED ADEQUATELY VENTILATED AREADETAIL-6 (FIGURE 6)
FIXED ROOF FLAMMABLE LIQUID STORAGE TANKS IN A NONENCLOSED, ADEQUATELY VENTILATED AREADETAIL 7 (FIGURE 13)
TANK CAR OR TRUCK LOADING AND UNLOADING VIA CLOSED SYSTEM, PRODUCT TRANSFER THROUGH BOTTOM ONLY

NOTE: -

- ALL DIMENSIONS FOR EXTEND OF HAZARDOUS SOURCE ARE MARKED IN METERS (m).
- EPC CONTRACTOR SHALL DEVELOP DETAILS AREA CLASSIFICATION LAYOUT AS PER PIPING LAYOUT DURING DETAIL ENGINEERING.
- DURING DETAIL ENGINEERING, EPC CONTRACTOR SHALL SHOW/POINT OUT ALL THE POSSIBLE SOURCES I.E VALVES, ETC. AND ISSUE TO OGDCL/CONSULTANT FOR REVIEW & APPROVAL.
- EXTENDS OF HAZARDOUS SOURCE DIMENSIONS FOR NEW FRONT END COMPRESSORS (K-2001, K-2002, K-2003 & K-2004) SHALL BE IN ACCORDANCE WITH MARKED DETAIL-3 (FIGURE 51) BASED ON API-505.



GENERAL NOTES

- HAZARDOUS AREAS CLASSIFICATION AND THE RELATED AREA EXTENSIONS SHALL BE IN ACCORDANCE WITH THE CHAPTER 10 OF API RP 505.
- THE INFLUENCE OF ADJACENT AREAS OUTSIDE BATTERY LIMIT IS NOT CONSIDERED IN THIS HAZARDOUS AREA CLASSIFICATION PLAN.
- HAZARDOUS BOUNDARY FOR EXISTING FACILITY ISN'T HIGHLIGHT IN THIS DRAWING.
- THE CLASSIFICATION FOR THE SCREWED CONNECTIONS, FLANGES, VALVES AND VALVE OPERATORS IS NOT INDICATED IN THIS DRAWING.
- SURROUNDING THE FINAL DISCHARGE POINTS OF SAMPLE AND INSTRUMENTS DRAIN VALVES, GAUGE VALVES AND SIMILAR DEVICES IS CLASSIFIED ZONE 2 WITHIN 0.5 METER ACCORDING TO 10.15.3.2 OF API RP 505. SCREWED SAMPLE AND INSTRUMENTS DRAIN VALVES, GAUGE VALVES AND SIMILAR DEVICES ARE UNCLASSIFIED.

LEGEND

NEW FACILITIES	EXISTING BRICK WALL
EXISTING FACILITIES (OR BY OGDCL)	ASPHALT ROAD
PIPE RACK/CABLE TRAY	STONE PITCHING
N.G.L./F.G.L.	ZONE 0
N.G.L.: NATURAL GROUND LEVEL	ZONE 1
F.G.L.: FINISHED GROUND LEVEL	ZONE 2

REFERENCE DOCUMENTS

TITLE	DOC No.
SPECIFICATION FOR PLANT LAYOUT & SPACING	NGP-000-GEN-15.03-0001-00
GENERAL PLOT PLAN	NGP-000-GEN-15.01-0001-00

EQUIPMENT AND BUILDING LIST

NO.	DESCRIPTION AND CAPACITY	UNIT	QTY.	REMARK
1	PIG RECEIVER & GATHERING MANIFOLD	SET	1	BY HBP
2	SLUG CATCHER	SET	1	BY HBP
3	SEPARATOR AREA			EXISTING
4	PROCESS EQUIPMENT AREA			EXISTING
5	NEW PROCESS EQUIPMENT AREA			BY HBP
6	CCR (CENTRAL CONTROL ROOM)	SET	1	BY HBP
7	ELECTRICAL BUILDING	SET	1	BY HBP
8	POWER GENERATOR BUILDING	SET	1	BY HBP
9	LABORATORY	SET	1	BY OGDCL
10	LPG STORAGE BULLETS	SET	39	BY HBP
11	EXISTING CONDENSATE TANKS	SET	6	EXISTING
12	NEW CONDENSATE TANKS (FUTURE)	SET	2	BY OGDCL
13	PRODUCED WATER TREATMENT SYSTEM			BY HBP
14	FIRE WATER SYSTEM			BY HBP
15	RAW WATER TREATMENT SYSTEM			BY HBP
16	EVAPORATION POND	SET	1	BY HBP
17	M.P.E. & I WORK SHOP	SET	1	BY OGDCL
18	AUTO WORK SHOP	SET	1	BY OGDCL
19	MAINTENANCE WORK SHOP	SET	1	BY OGDCL
20	WAREHOUSE	SET	1	BY OGDCL
21	FIRE STATION	SET	1	BY OGDCL
22	SECURITY WATCH TOWER	Nos.	5	BY OGDCL
23	PIPE YARD (100m x 50m)	SET	1	BY OGDCL
24	NEW FLARE K.O. DRUM	SET	1	BY HBP
25	RELOCATED EXISTING API PIT	SET	1	BY OGDCL
26	EXISTING FLARE HEADER	SET	1	BY OGDCL
27	NEW FLARE STACK	SET	1	BY HBP
28	LOADING SYSTEM AREA	SET	1	BY OGDCL
29	LPG LOADING AREA	SET	1	BY HBP
30	NEW CONDENSATE GANTRY	SET	1	BY OGDCL
31	ADDITIONAL LAND FOR BOWSER PARKING	SET	1	BY OGDCL
32	ADMIN BUILDING	SET	1	BY OGDCL
33	CLINIC	SET	1	BY OGDCL
34	LPG PUMP SHED	SET	1	BY HBP
35	BOUNDARY WALL	SET	1	EXISTING
36	DIESEL STORAGE VESSEL	SET	1	BY HBP

2	ISSUED FOR TENDER (Modified Under NASHPA Compression Project Phase-II)	MAA	JAB	AIB	MAS	09/3/2018
1B	Re-issued for Review & Approval (Modified Under NASHPA Compression Project Phase-II)	MAA	JAB	AIB	AHB	13/2/2018
1A	Issued for Review & Approval (Modified Under NASHPA Compression Project Phase-II)	MAA	JAB	AIB	AHB	29/12/2017
01	Approved for Design	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	05/12/2016
00	Approved for Design	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	19/05/2016
C	Issued for Approval	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	12/05/2016
B2	Issued for Hazop	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	27/03/2016
B	Issued for Review	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	27/01/2016
A	Internal Discipline Check	Zhang Xiyi	Liu Na	Bai Haijun	Chen Xin	15/01/2016
REV.	DESCRIPTION	PRPD	CHKD	REVD	APPD	DATE

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PROJECT NO. NASHPA 1247PROJECT TITLE: NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CBNASHPA/PROJ-1247/2015
DRAWING NO. NGP-000-ELE-15.01-0001-00DRAWING TITLE: HAZARDOUS AREA CLASSIFICATION LAYOUT
REV. SCALE SHEET
2 1:1000 1 OF 1

Drawing Size: ISO A4 (V)

MODIFIED UNDER NASHPA COMPRESSION PROJECT (PHASE-II) # 14-0193

ISSUED FOR TENDER