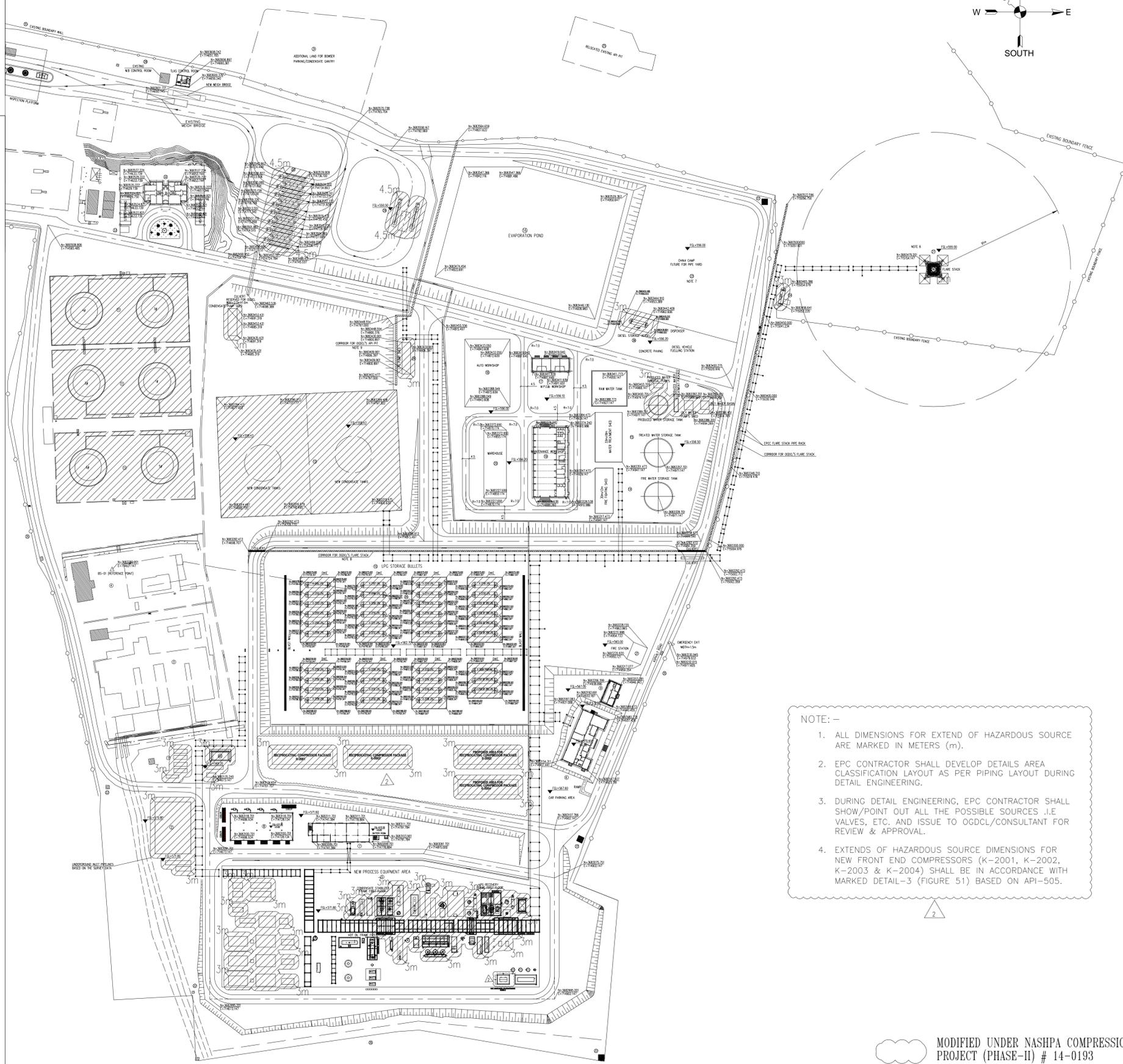
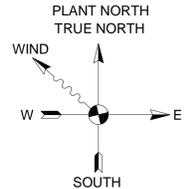
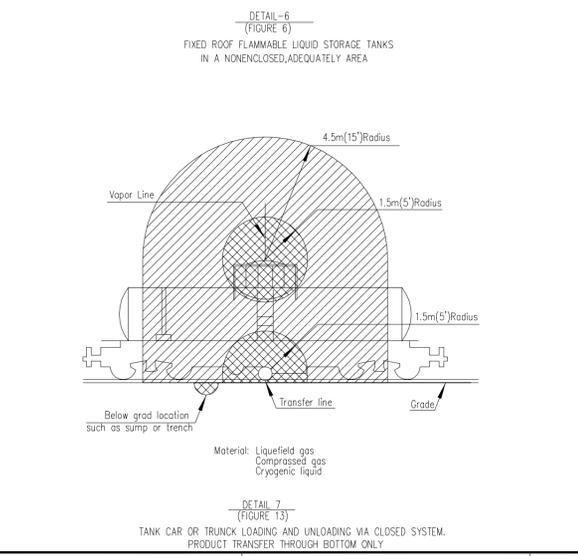
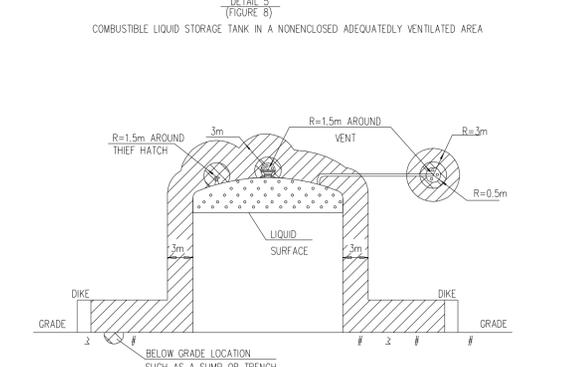
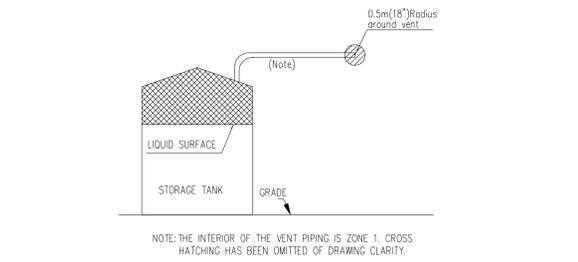
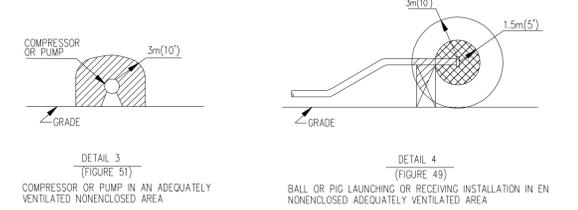
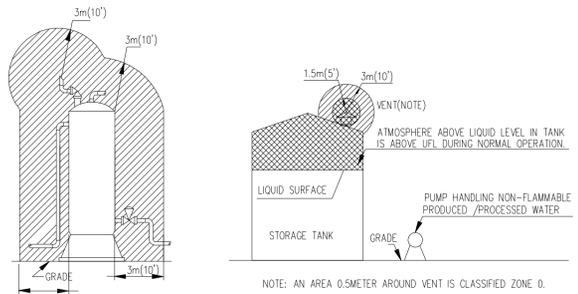


HAZARDOUS AREA CLASSIFICATION SECTION AND DETAIL



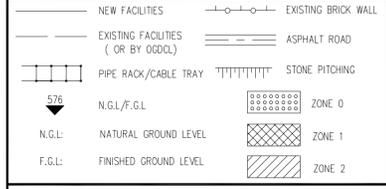
NOTE: -

- 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



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

REV.	DESCRIPTION	PREP.	CHKD.	REVD.	APPD.	DATE
2	ISSUED FOR TENDER					09/3/2018
1B	Re-issued for Review & Approval	MAA	JAB	AIB	MAS	13/2/2018
1A	Issued for Review & Approval	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

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CONTRACTOR
HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED
PROJECT NO. NASHPA 1247

PROJECT TITLE
NASHPA GAS PROCESSING AND LPG RECOVERY PLANT PROC-FC-CBNASHPA/PROJ.1247/2015
DRAWING NO. NGP-000-EL-15.01-0001-00

DRAWING 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