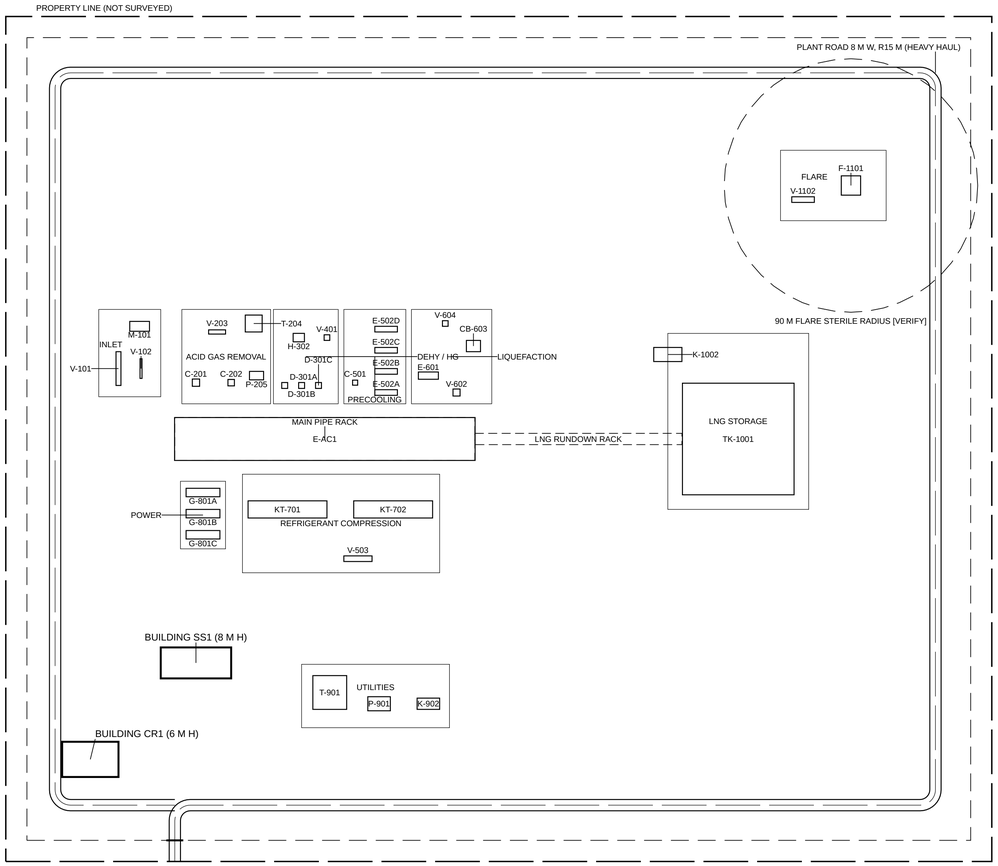


PLOT PLAN
SCALE: 1:2000

0 m 32 m 64 m 128 m

N

TRUE NORTH

SHEET INDEX

C-102 PLOT PLAN

CODE AND SETBACK CHECKS (MEASURED BY THE PACK)

NO.	STATUS	CHECK	ITEM	MEASURED / LIMIT	CITATION
C01	PASS	impoundment_capacity	TK1	116.6 % / 110 %	49 CFR 193.2181(a)
C02	VERIFY	flare_sterile_radius	F1	146.1 m / 90 m	screening radius only; the flare's radiation …
C03	VERIFY	control_room_spacing	CR1	151.8 m / 60 m	screening distance only; API RP 752 (paid) is…
C04	MANUAL	thermal_exclusion	TK1	- / -	49 CFR 193.2057 (NFPA 59A-2001 2.2.3.2; LNGFI…
C05	MANUAL	vapor_dispersion	TK1	- / -	49 CFR 193.2059 (NFPA 59A-2001 2.2.3.3-2.2.3.…
C06	MANUAL	outer_wall_dike	TK1	- / -	49 CFR 193.2167
C07	MANUAL	fire_water	site	- / -	NFPA 59A (paid; not read)

LNG STORAGE (NOMINAL)

TK-1001: inner tank 76 m dia x 37.36 m max liquid = 169,482 m3 gross (77,962 t at 460 kg/m3). Design basis 5 MTPA. LNG density: EIA, The Global LNG Market: Status and Outlook (2003), Appendix A conversion table

LEGEND

- Property line (not surveyed)
- Separation ring at the measured distance; [VERIFY] = value not checked against the governing standard
- Classified extent, Class I Div 1
- Classified extent, Class I Div 2
- Vehicle route: paved band, centreline, bends at the turning radius
- Fence; gate drawn heavy
- Canopy (open sided)
- Equipment outline and tag

NOTES

1. Concept-stage plot plan of a representative ~5 MTPA train on a synthetic site. Not for construction; not any real facility.
2. Siting under 49 CFR 193 Subpart B and NFPA 59A-2001: thermal exclusion (193.2057) and vapour dispersion (193.2059) zones are calculated with the named models by the EOR; they are not drawn here.
3. Rings marked VERIFY carry an assumed screening distance, not a calculated one.

OPEN REVIEW ITEMS

C02 VERIFY F1: distance is an assumed screening value, not a calculation (screening radius only; the flare's radiation study (API 521, paid) sets it)
C03 VERIFY CR1: distance is an assumed screening value, not a calculation (screening distance only; API RP 752 (paid) is a risk-based siting study)
C04 MANUAL TK1: Thermal exclusion zone calculated with LNGFIRE3 by the EOR
C05 MANUAL TK1: Vapour dispersion zone calculated with DEGADIS / FEM3A by the EOR
C06 MANUAL TK1: Concrete outer wall serves as the dike (full containment)
C07 MANUAL site: Fire water demand and coverage (NFPA 59A, paid) by the EOR

FACILITY SIM

Generated drawing set. Prepared by software, not by a registered architect or engineer.

PROJECT

Representative LNG liquefaction train (synthetic generic site)

Project generic_lng_train

PRELIMINARY
NOT FOR CONSTRUCTION
DESIGN-DEVELOPMENT SET - NOT SEALED

ENGINEER / ARCHITECT OF RECORD SEAL

NOT SEALED. To be reviewed, completed and sealed by the EOR.

REVISIONS

NO.	DATE	DESCRIPTION
0	2026-10-10	Concept-stage plot plan, representativ...

KEY PLAN



DATE	2026-10-10
STATUS	PRELIMINARY - NOT FOR CONST...
SCALE	1:2000
DRAWN BY	Facility Sim export
SHEET SIZE	ARCH D 24 x 36

SHEET TITLE

PLOT PLAN

OPEN REVIEW ITEMS: 6
SEE THE CHECKS TABLE ON THIS SHEET

SHEET

C-102