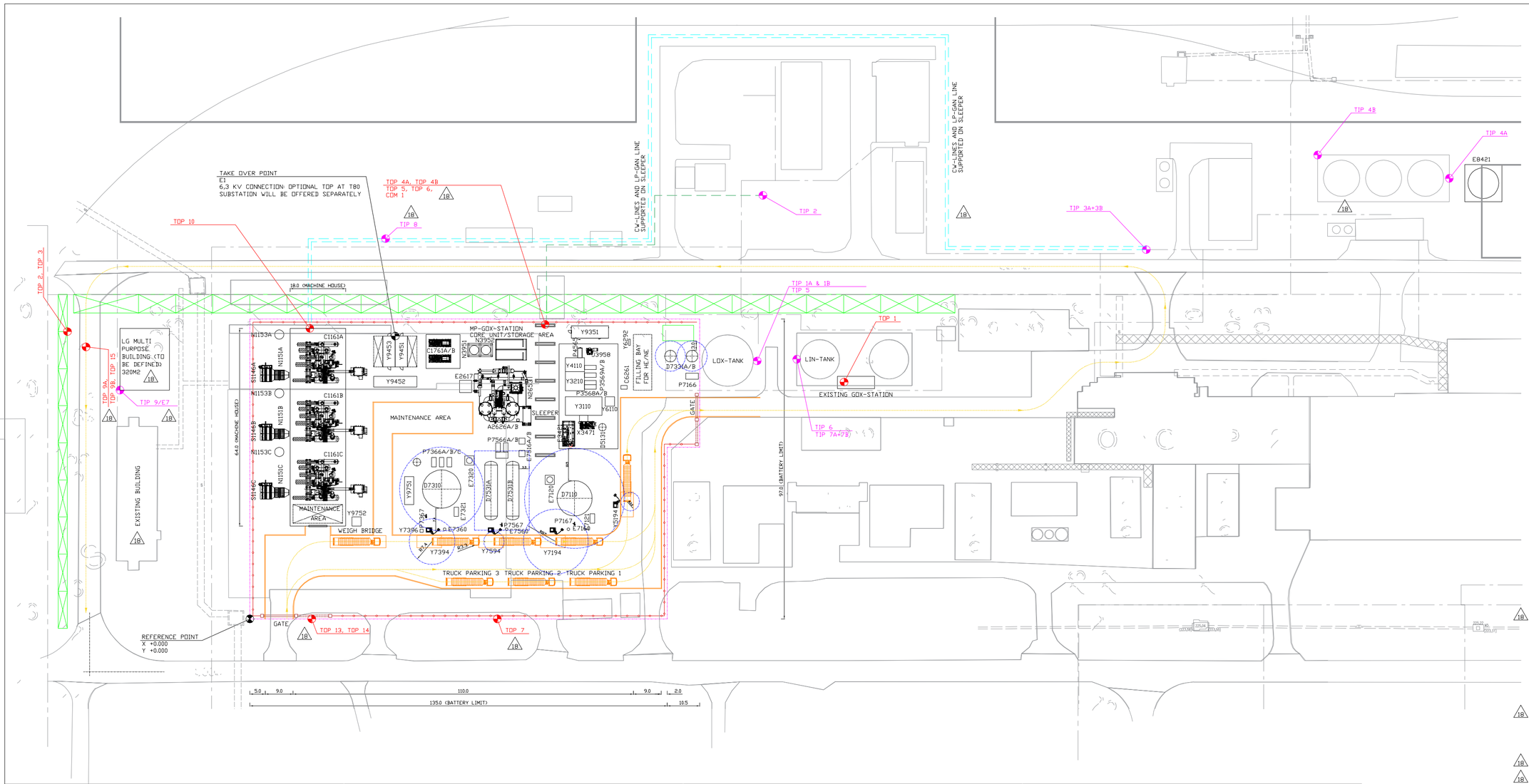
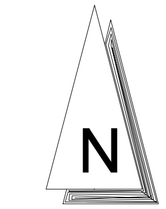
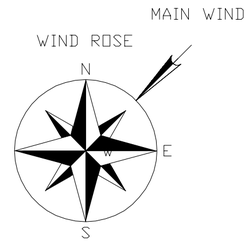




PLANT NORTH



TIP/TOP NO.	DESCRIPTION
TOP 1	HP GOX
TOP 2	MP GOX
	TRANSFER HP-GOX TO MP-GOX (INTERNAL)
TOP 3	HP GAN
TOP 4A/B	MP GAN
TOP 5	GAR
TOP 6	MP STEAM
TOP 7	POTABLE WATER TO NEW ASU 10
TOP 8	DELETED
TOP 9A/B	FIRE WATER
TOP 10	FIRE ALARM SYSTEM
TOP 11	DELETED
TOP 12	DELETED
TOP 13	SEWAGE
TOP 14	RAIN WATER
TOP 15	MAKE UP WATER
E1	TOP ELECTRICITY CONNECTION 6,3KV
COM 1	COMMUNICATION INTERFACE
TIP 1A & 1B	LOX FROM EXISTING ASU 9 LOX TANK TO NEW BACK UP PUMP
TIP 2	LP GAN (CONNECTION TO EXISTING ASU 9)
TIP 3A	OPTIONAL COOLING WATER SUPPLY
TIP 3B	OPTIONAL COOLING WATER RETURN
TIP 4A	COOLING WATER FROM NEW CELL TO EXISTING COOLING WATER BASIN
TIP 4B	COOLING WATER FROM RETURN HEADER TO NEW CELL
TIP 5	LOX TO EXISTING ASU 9 LOX TANK
TIP 6	LIN TO EXISTING ASU 9 LIN TANK
TIP 7A	OPTION "EMERGENCY GAN SUPPLY"
TIP 7B	OPTION "EMERGENCY GAN SUPPLY"
TIP 8	INTERMEDIATE (COMMISSIONING) COOLING WATER SUPPLY
TIP 9+E7	PORTABLE WATER TO EXISTING BUILDING POWER TO EXISTING BUILDING

LEGEND

EQUIP. NO.:	EQUIPMENT
S1146A-C	MAC PROCESS AIR FILTER
N1151A-C	MAC SUCTION SILENCER
N1153A-C	MAC BLOW OFF SILENCER
C1161A-C	MAIN AIR COMPRESSOR
C1761A/B	NITROGEN PRODUCT COMPRESSOR
E2617	STEAM REGENERATION GAS HEATER
A2626A/B	MOLSIEVE ADSORBER
N2653	BLOW OFF SILENCER
Y3110	HEAT EXCHANGER COLDBOX
Y3210	RECTIFICATION COLDBOX
E3421	BOOSTER AFTERCOOLER OF COLD EXPANSION TURBINE
X3471	EXPANSION TURBINE WITH BOOSTER
P3568A/B	LOX INTERNAL COMPRESSION PUMP
P3569A/B	LIN INTERNAL COMPRESSION PUMP
N3951	O2 BLOW OFF SILENCER
N3952	N2 BLOW OFF SILENCER
J3958	FAN EJECTOR
Y4110	ARGON COLDBOX
P4565	ARGON TRANSFER PUMP TO LOW PRESSURE COLUMN
D5131	CRUDE KR/XE TANK AT ASU 16M3

LEGEND

EQUIP. NO.:	EQUIPMENT
Y5194	CRUDE KR/XE TRUCK FILLING STATION
Y6110	HE/NE 1ST ENRICHMENT COLDBOX (FUTURE EXTENSION)
C6261	CRUDE HE/NE COMPRESSOR (FUTURE EXTENSION)
Y6292	CRUDE HE/NE FILLING STATION (FUTURE EXTENSION)
D7110	LOX FLAT BOTTOM TANK 500M3
E7120	STEAM HEATED LOX EVAPORATOR
E7121	FLAT BOTTOM TANK LOX EVAPORATOR
E7160	LOX DRAIN PIT
P7166	LOX BACK UP PUMP
P7167	LOX TRUCK FILLING PUMP
Y7194	LOX TRUCK FILLING STATION
D7310	LIN FLAT BOTTOM TANK 1000M3
E7320	STEAM HEATED LIN EVAPORATOR
E7321	FLAT BOTTOM TANK LIN EVAPORATOR
D7331A/B	LIN VACUUM TANK 60M3
E7360	LIN DRAIN PIT
P7366A/B/C	HP-LIN BACK UP PUMP
P7367	LIN TRUCK FILLING PUMP
Y7394	LIN TRUCK FILLING STATION
Y7396	LIN TANK FILLING FROM ROAD TRUCK

LEGEND

EQUIP. NO.:	EQUIPMENT
E7516A/B	AIR HEATED LAR EVAPORATOR
D7531A/B	LAR VACUUM TANK 150M3
E7560	LAR DRAIN PIT
P7566A/B	LAR BACK UP PUMP
P7567	LAR TRUCK FILLING PUMP
Y7594	LAR TRUCK FILLING STATION
E8421	COOLING TOWER
D8731	SEAL GAS VACUUM TANK 20M3
Y9351	INSTRUMENTATION CONTROL CONTAINER
Y9422	TRAFO
Y9451	ELECTRICAL CONTAINER WITH MV EQUIPMENT
Y9452	ELECTRICAL CONTAINER WITH LV EQUIPMENT
Y9453	AUTOTRAFO CONTAINER
Y9751	SALSA ANALYTIC CONTAINER
Y9752	WEIGHBRIDGE CONTAINER

SAFETY DISTANCE ACC. EIGA 127/4 (E.G. NO PITS, DUCTS, SURFACE WATER DRAINS, OPENIGS, SYSTEMS BELOW GROUND LEVEL)

LEGEND

- TAKE OVER POINT (TOP)
- TIE IN POINT (TIP)
- REFERENCE POINT
- BATTERY LIMIT
- FENCE
- EXISTING COMPONENTS
- OPTIONAL (ON HOLD)
- LP-GAN PIPELINE
- COOLING WATER PIPELINE (SUPPLY AND RETURN)
- TRUCK ROUTING

0 5 10 20 30 40 50 60 70 80 90 100 METER

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DATE	DRAWN	CHECKED	APPR.	DESCRIPTION	STATUS	ISSUE
26.02.24	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_18
12.01.24	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_17
18.10.23	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_16
16.10.23	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_15
26.09.23	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_14
18.09.23	PELL S.	LIEBH	BARBEAU	ISSUED FOR REVIEW	IFR	20_13

LINDE GmbH - LINDE ENGINEERING
D-82049 PULLACH

DIN A2 1:1000

PROPOSAL PLOTPLAN
AIR SEPARATION PLANT
GOX-H043Z WITH KRXE

JOB.NO. P1521-051
CODE KOSICE
&ASU 0100 L-ZP 0001
SHEET 01 OF 01

PATH: ONE DRIVE, SUSANNE PELL - LINDE GROUP