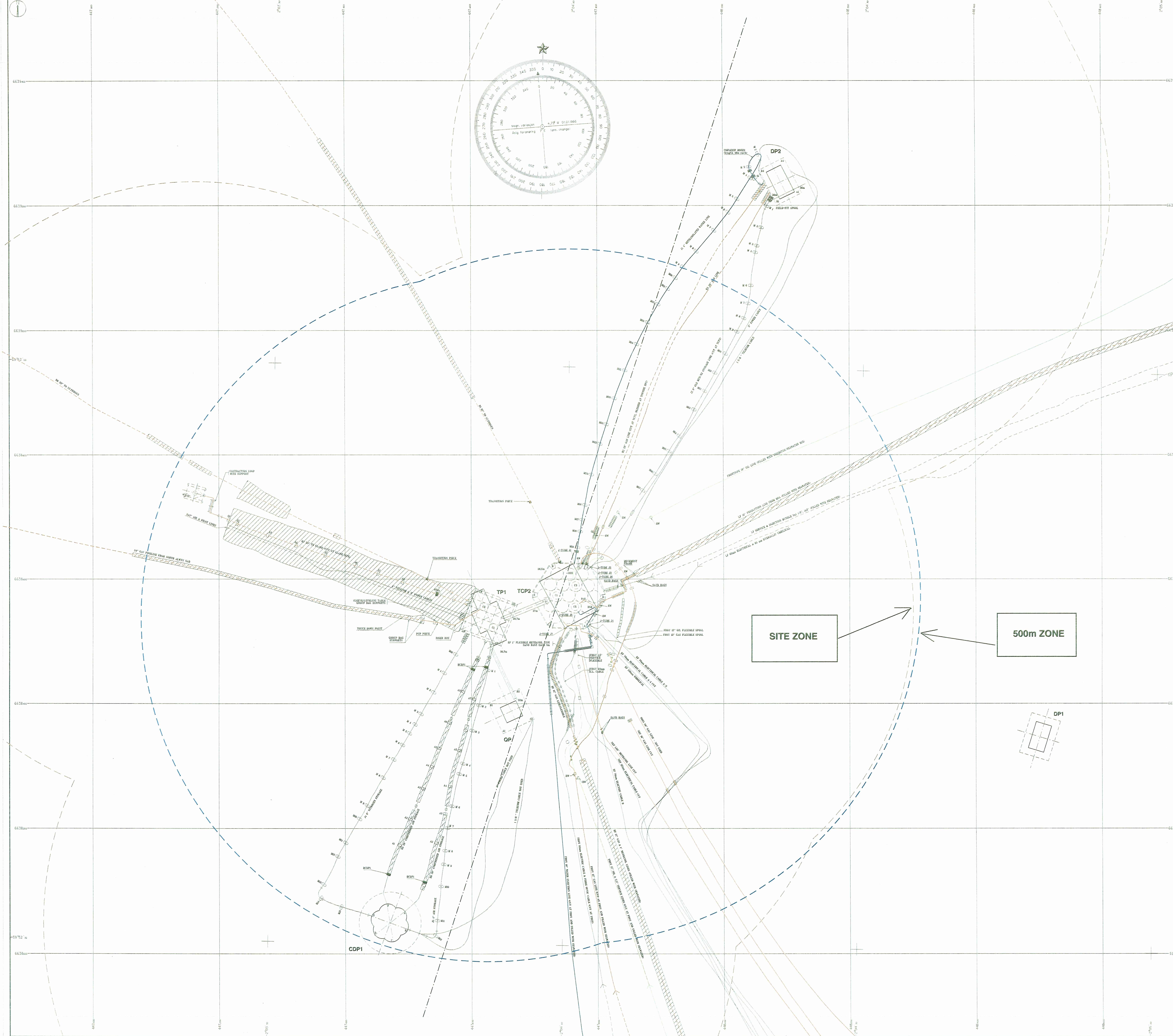




REFERENCES

1. GENERAL COORDINATES

UTM COORDINATES DATUM: NAD 77

ZONE 31, CENTRAL MERIDIAN 3° EAST
HORIZONTAL SHIFTS TO ED 50
E: NAD 77 + E: ED 50 NORSNET + 0.74m
N: NAD 77 + N: ED 50 NORSNET + 5.28m

GEOGRAPHICAL COORDINATES DATUM: ED 50

2. PIPELINES, FLOWLINES, CABLES, UMBILICALS

POSITION UPDATE FROM REV. 15

- EP 12' and 1' from MARCON-UD PROV 93
- EP cables and umbilicals from Seaway Tech. 92 report no. 51025, RE-022
- PROSIPPE 18' from MET-222 as-built 93
- Completion file: M-3 and 4
- LILLE FRIG 10' from MET-105 as-built 92 (Completion file: CM)
- LILLE FRIG service/injection bundle, umbilical and electrical cable from 105-252 as-built 93
- LILLE FRIG 10' rising from
- WESTMINSTER OFFSHORE A/S 93, Completion file, vol 6
- PLUG and ALPH lines from TOTAL 1st/2nd 93
- REF 10', REF 166', REF electrical cable and 2' stream out per 53 diving reports
- Phase 1 and phase 2 lines from MARCON-UD PROV 93, Position update from rev. 15
- PROSIPPE 10' spools from Stena Offshore a/s dwg. no. PL 41-25-00-0350/0351/0352/0353
- LILLE FRIG 12' spool from Stena Offshore a/s dwg. no. PL 21-35-10-1035
- LILLE FRIG 10' and PROSIPPE 10' mattresses from SCS survey, April 1994
- FRIG 12' oil, 12' gas, 10' water injection and 2.5' service lines from met. comp. file: RE-PL-22-35-0317
- FRIG 12' spools, mattresses and grout-pops from Stena Offshore a/s comp. file: SR-PL-22-35-1046
- FRIG electrical cable from ALCAITE comp. file: F005L
- FRIG flexible spools from UGLAND-COPELAP comp. file: RE-PL-22-35-0881
- FLARE COLUMN REMOVED IN 1996, CONTRACT 96004
- BASE STRUCTURE REMOVED IN 2001
- 34" PIPELINE CONNECTED TO BASE 2 + 3" PLOT AND AIR LINES, 4" TELECOM AND 3" POWER CABLE REMOVED BETWEEN BASE AND PIP PIP

NOTES

2" power cables and 15" telecom cables routes are approximate

3. CLEARANCE UNDER BRIDGES

REFERENCE: M.L.W.
FROM DRAWING NO. FF 00 00 00 TO 0 REV. 2

STRUCTURE	DEPTH (m) REF. TO M.L.W.
DP 1	99.335
DP 2	98.335
TP 1	102.835
TCP 2	102.935
OP	100.335
CDP 1	96.335

REF. BATHYMETRIC MAP OF SCOP
OCEANOGRAPHIE, MAY 76

LEGEND

- 500m zone
- Site zone
- Trench start or end
- Concrete block 251
- Concrete block 181
- Concrete saddle
- Grout bag
- Grout bag not in use
- Pipeline grout support bag
- Gravel bags
- Mattress
- SLP Pipeline mattress
- Link-mat mattress
- Type "wire mesh"
- "Product" cable protection
- Flange connection
- Flanges with neop. seal protectors
- Flanges with grease box protectors
- Seal protection
- Seal protection with flow limiter
- Seal protection with permanent seal
- Rock
- Hyperbaric welding position (HW No...)
- 25m
- Clearance under bridge
- Pile (steel pipe) cut at seabed level
- Oil Pipeline
- Buried Line or Line in Trench
- Gas Pipeline
- Buried Line or Line in Trench
- Electrical Service, Optic, Umbilical, Telecom Cable
- Buried Line or Line in Trench
- Water Injection Pipeline
- Buried Line or Line in Trench

PLATFORM CO-ORDINATES

STRUCTURE	UTM			GEOGRAPHICAL		
	EASTING	NORTHING	ORIENTATION SHD	LATITUDE	LONGITUDE	ORIENTATION TRUE
DP 2	448501.60m	6635232.50m	33° 45' 30"	59° 53' 00"	2° 04' 21"	33° 57' 30"
TP 1	447627.08m	6635238.64m	33° 19' 03"	59° 52' 46"	2° 03' 52"	33° 30' 28"
TCP 2	447756.62m	6635273.04m	33° 51' 12"	59° 52' 48"	2° 04' 00"	33° 03' 06"
OP	447663.27m	6635187.90m	33° 04' 14"	59° 52' 43"	2° 03' 54"	33° 17' 43"
CDP 1	447470.51m	6635164.29m	20° 28' 22"	59° 52' 31"	2° 03' 42"	16° 37' 41"
FF (Hatched)	447762.20m	6635175.20m		59° 52' 31"	2° 03' 42"	
DP 1	448501.35m	6635146.00m		59° 52' 41"	2° 04' 48"	44° 5'

Rev.	Date	Reason for revision	By	Chk'd	App'd
025	20.07.05	ADDED NEW 500m ZONE AROUND TP1 & TCP2	IOS	Fu	Fu
024	16.03.05	UPDATED LATE FOR REVISIONS	IOS	Fu	Fu
023	16.03.05	UPDATED, ADDED SECONDARY LINES	BT	ALV	ALV
022	18.11.97	UPDATED ACC TO WINDSTRT	ABT	ALV	
021	05.03.96	INCORPORATION - WINDSTRT CHARTS	ABT	Fu	
020	05.04.95	ADDED PROHIBITED ANCHORING ZONES / SAFETY ZONES	O.S.	B.G.	B.G.
019	10.02.95	AS LATE WORKING VERSION FOR COMMENTS	O.S.	B.G.	B.G.
018	11.04.94	REVISED L.F. 10 AND PROSIPPE 18' SEGMENTS	O.S.	B.G.	B.G.
017	08.04.94	ADDED PLAINHEU FRIG LINES	O.S.	B.G.	B.G.
016	03.03.94	ADDED LILLE FRIG & PROSIPPE	O.S.	B.G.	B.G.

0 100m

Scale: 1/2000

DISTANCE MAP FRIGG FIELD 111 - Schematic map, NAD 1950, internal 1950

Projection: UTM, FUGA 31 + Central Meridian 0°E

MICROSTATION - CARTO DRAWING - REFERENCE FILES: The plotted by using 2D software

MICROSTATION FILE: F:\FRIGG\025\DRAWING\011.DWG

01 petroleum norge as

Class: A

Installation: FRIGG

System: GENERAL

Draw Size: # 97091

Scale: 1/2000

500m ZONE AND SITE ZONE

FRIGG FIELD

Draw no: FF 00 00 00 0111

Rev: 025

Sheet: 1/1