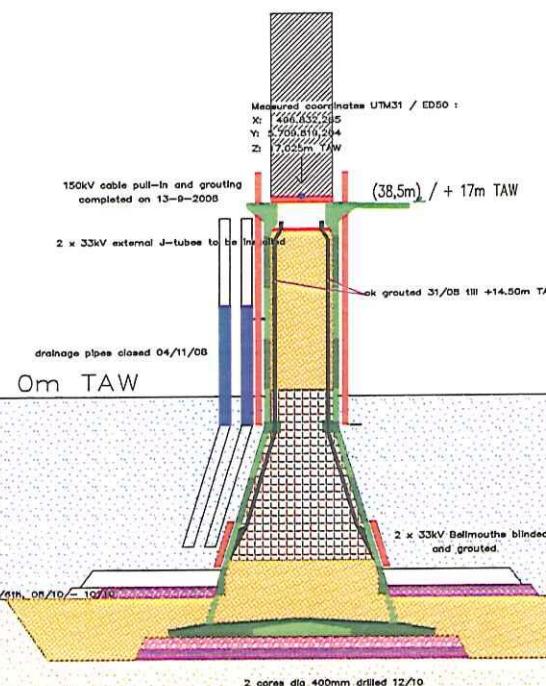


# Installation of GBF's at Thorntonbank

## situation on 17-11-2008

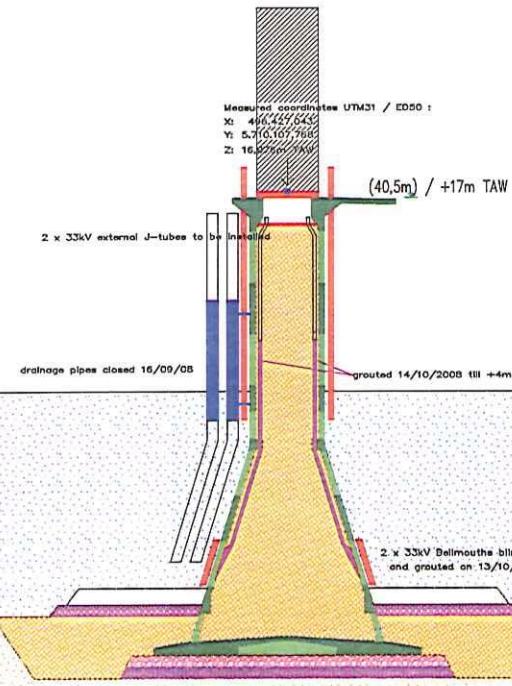
D1

Completed as per DAR	
Foundation pit bulk dredging	08-03-2008
Foundation pit precision dredging	04-04-2008
Gravel bed filter layer	11-04-2008
Gravel bed top layer	20-04-2008
GBF Installed	26/07/08-2008
Dockfill	11-05-2008
Infill	14-09-2008
Scour protection filter layer	
Scour protection armour layer	
Armour layer on cables	
Ladders	10-07-2008
Levelling transition piece	10-07-2008
Dry Infill of last 2m	15-09-2008
Foamy airtight floor	10-07-2008
Service crane base	10-07-2008
33kV Blind flanges bellmouths+J-tubes grouted	31-08-2008
Installation external J-tubes	13-08-2008
Measurement Earth Resistance	29-08-2008



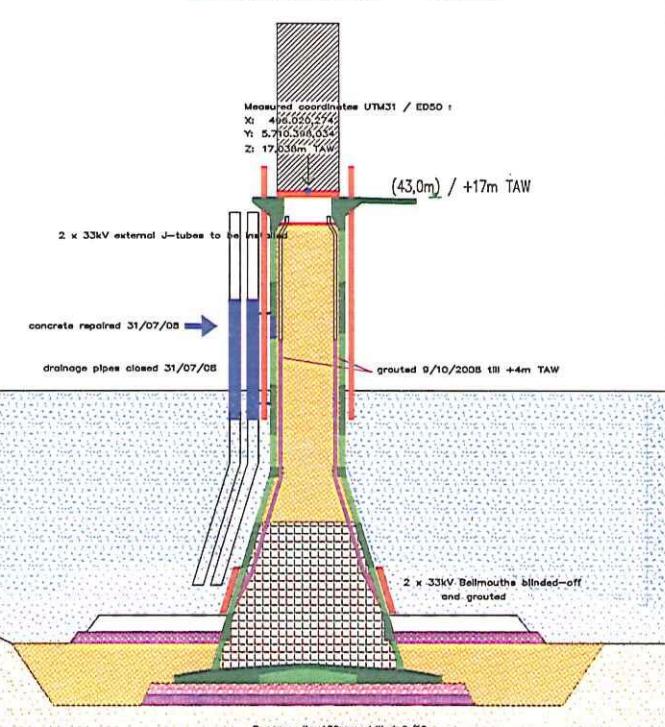
D2

Completed as per DAR	
Foundation pit bulk dredging	08-03-2008
Foundation pit precision dredging	04-04-2008
Gravel bed filter layer	12-04-2008
Gravel bed top layer	20-04-2008
GBF Installed	7/8-05-2008
Dockfill	24-05-2008
Infill	17-08-2008
Scour protection filter layer	22-09-2008
Scour protection armour layer	
Armour layer on cables	
Ladders	17-06-2008
Levelling transition piece	17-06-2008
Dry Infill of last 2m	17-06-2008
Foamy airtight floor	18-06-2008
Service crane base	17-06-2008
Blind flanges bellmouths	13-10-2008
Installation external J-tubes	07-11-2008
Measurement Earth Resistance	28-08-2008



D3

Completed as per DAR	
Foundation pit bulk dredging	21-03-2008
Foundation pit precision dredging	04-04-2008
Gravel bed filter layer	10-04-2008
Gravel bed top layer	24-04-2008
GBF Installed	21/22-05-2008
Dockfill	05-06-2008
Infill	29-07-2008
Scour protection filter layer	15-09-2008
Scour protection armour layer	
Armour layer on cables	
Ladders	31-07-2008
Levelling transition piece	30-07-2008
Dry Infill of last 2m	31-07-2008
Foamy airtight floor	04-08-2008
Service crane base	30-07-2008
Concrete wall damage repaired on	31-07-2008
Blind flanges bellmouths	09-10-2008
Installation external J-tubes	
Measurement Earth Resistance	30-08-2008



Finalized

Ongoing / Partially realized

- Infill with big bags
- Infill with big bags (magna dense)
- Hydraulic infill

■ Installation of external 33kV J-tubes started

# Installation of GBF's at Thorntonbank situation on 17-11-2008

**D4**

Completed as per DAR

Foundation pit bulk dredging	23-03-2008
Foundation pit precision dredging	04-05-2008
Gravel bed filter layer	13-05-2008
Gravel bed top layer	17-05-2008
GBF installed	22/23-05-2008
Backfill	16-06-2008
Infill	25-07-2008
Scour protection filter layer	29-09-2008
Scour protection armour layer	
Armour layer on cables	
Ladders	18-08-2008
Levelling transition piece	18-08-2008
Dry infill of last 2m	17-08-2008
Fairly airtight floor	
service crane baulks	18-08-2008
Blind flanges bellmouths	22-08-2008
Grouted J-tubes	25-09-2008
Repair works boat landing	
Installation external J-tubes	
Measurement Earth Resistance	28-08-2008

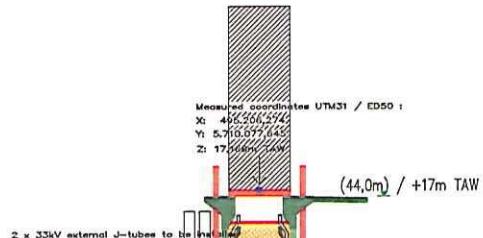


Measured coordinates UTM31 / ED50 :  
X: 4047151.65550  
Y: 5.7105771.045  
Z: 17.11m TAW

**D5**

Completed as per DAR

Foundation pit bulk dredging	23-03-2008
Foundation pit precision dredging	04-05-2008
Gravel bed filter layer	09-05-2008
Gravel bed top layer	12-05-2008
GBF installed	30/31-05-2008
Backfill	11-06-2008
Infill	03-07-2008
Scour protection filter layer	31-08-2008
Scour protection armour layer	
Armour layer on cables	
Ladders	04-07-2008
Levelling transition piece	30-06-2008
Dry infill of last 2m	03-07-2008
Fairly airtight floor	04-07-2008
service crane baulks	30-06-2008
Blind flanges bellmouths	26-09-2008
Installation external J-tubes	
Measurement Earth Resistance	30-08-2008



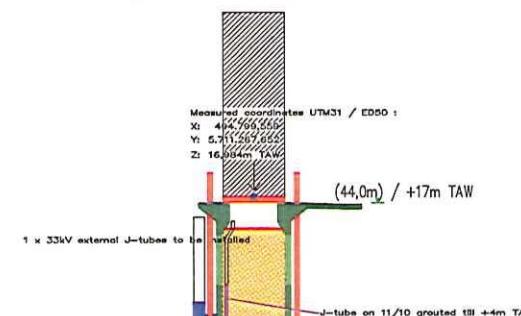
Measured coordinates UTM31 / ED50 :  
X: 4047150.57450  
Y: 5.7105771.045  
Z: 17.11m TAW

Om TAW

**D6**

Completed as per DAR

Foundation pit bulk dredging	02-04-2008
Foundation pit precision dredging	05-04-2008
Gravel bed filter layer	06-05-2008
Gravel bed top layer	12-05-2008
GBF Installed	28/29-05-2008
Backfill	14-06-2008
Heavy infill	22-06-2008
Sand infill	27-06-2008
Scour protection filter layer	26-09-2008
Scour protection armour layer	
Armour layer on cables	
Ladders	25-06-2008
Levelling transition piece	25-06-2008
Dry infill of last 2m	27-06-2008
Fairly airtight floor	28-06-2008
service crane baulks	25-06-2008
Blind flange bellmouth	11-10-2008
Installation external J-tubes	
Measurement Earth Resistance	30-09-2008



Measured coordinates UTM31 / ED50 :  
X: 4047150.57450  
Y: 5.7105771.045  
Z: 16.084m TAW

NE boating removed

all drainage pipes closed 18/08/2008

Both J-tube on 25/09 grouted till minimum +4m TAW drainage pipes closed 16/09/08

Both J-tube on 28/09 grouted till minimum +4m TAW drainage pipes closed 16/09/08

J-tubes grouted till +4m TAW 25/09

J-tubes grouted till +4m TAW 28/09

2 x 33kV Bellmouths blinded-off and grouted

2 x 33kV Bellmouths blinded-off and grouted

4/6th , 04-07-11/2008

4/6th , 10-15/10/2008

2 cores dia 400mm drilled 24-25/09

2 cores dia 400mm drilled 26-27/09

core dia 400mm drilled 10/10

Pauline at D5 on 13/11 for installation of external J-tubes

33kV Bellmouths blinded-off and grouted

33kV Bellmouths blinded-off and grouted

4/6th , 29-03/11/2008

4/6th , 29-03/11/2008

Finalized

Ongoing / Partially realized

Infill with big bags

Infill with big bags (magna dense)

Hydraulic fill

Installation of external 33kV J-tubes started

1-MEC-MAR-EXE-DRG-9020 B