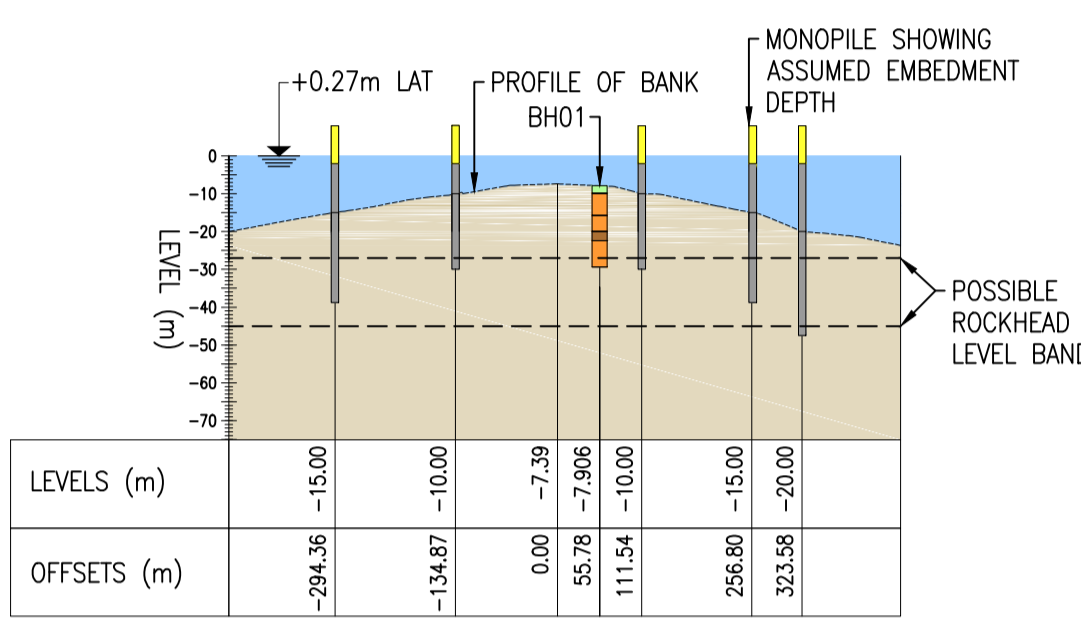
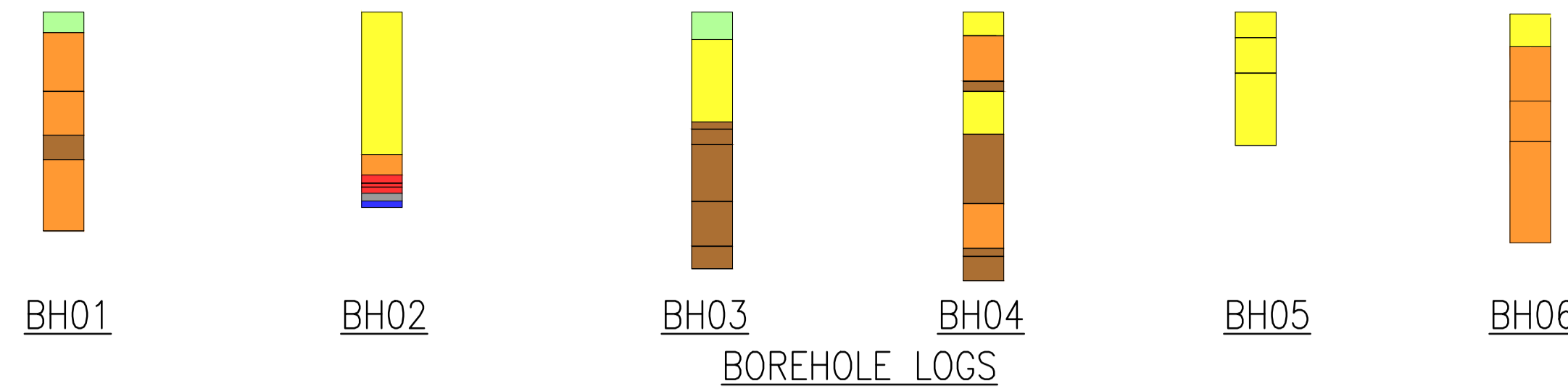
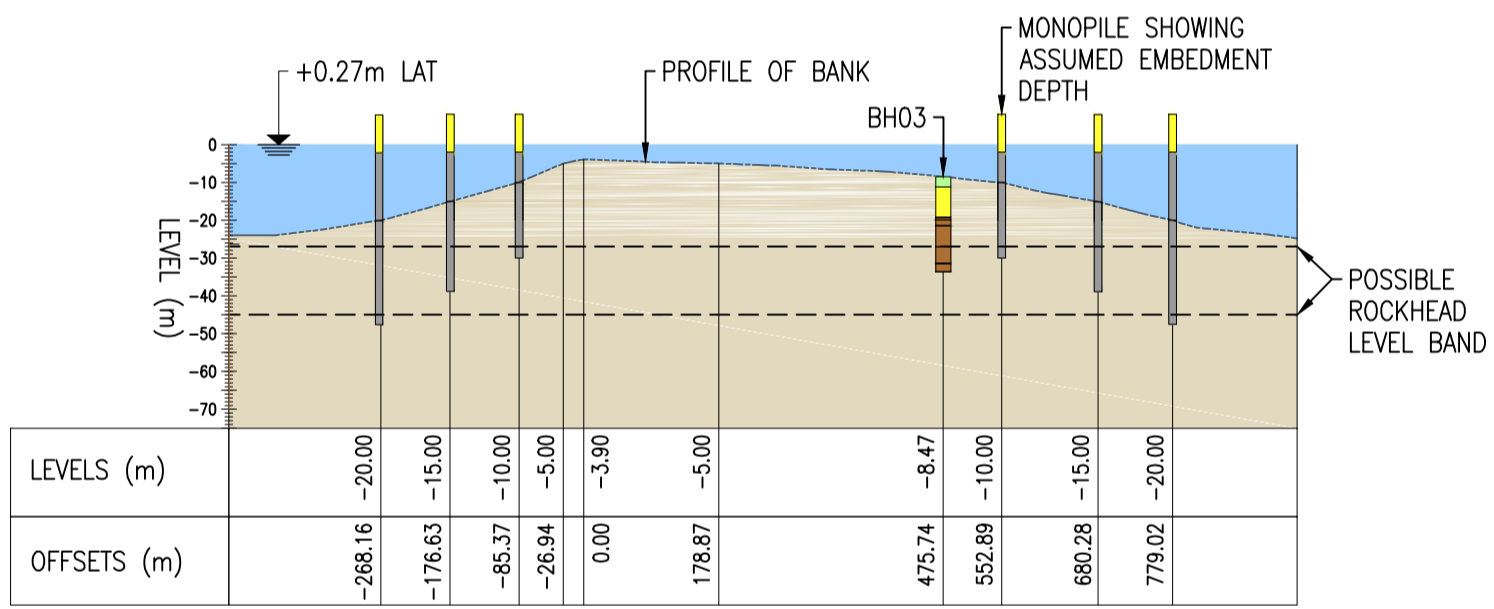


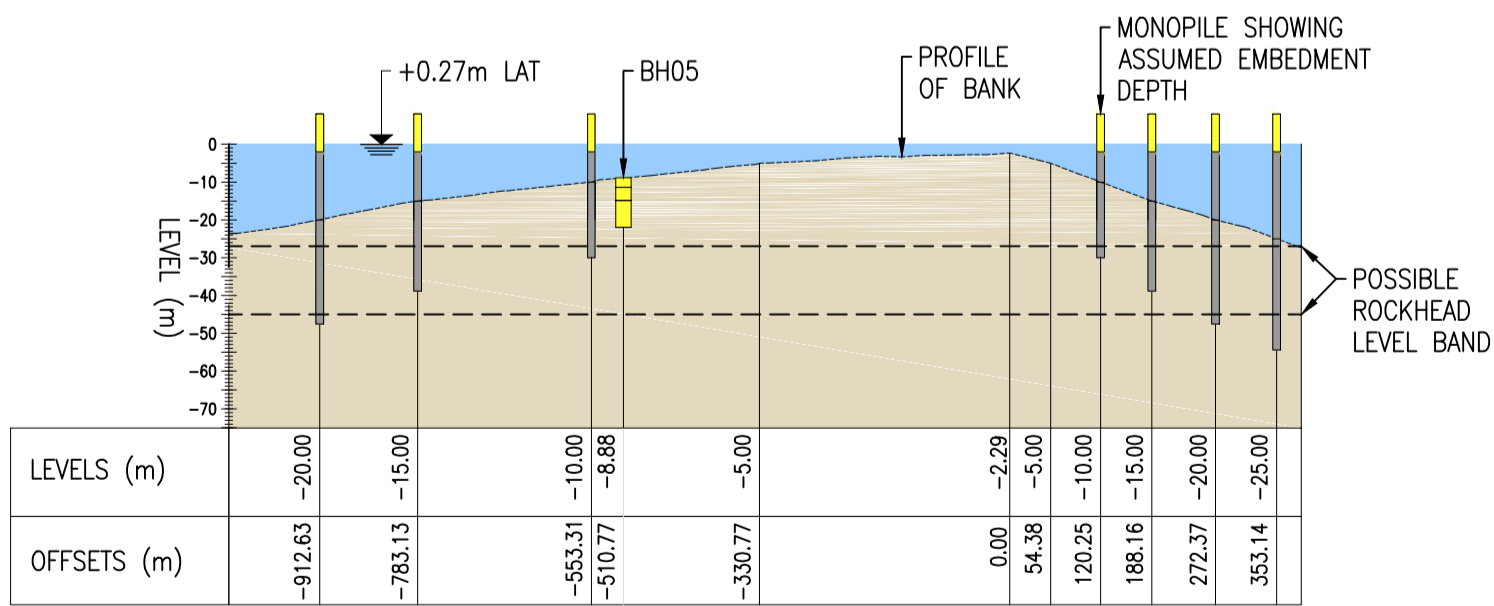
SECTION PLAN  
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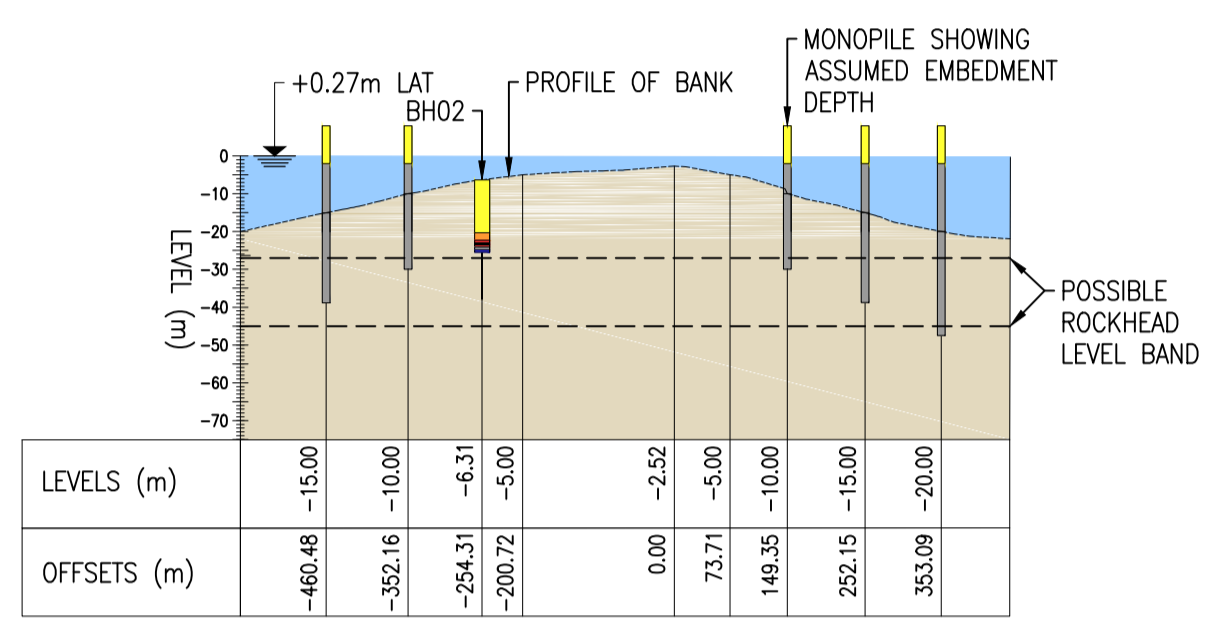
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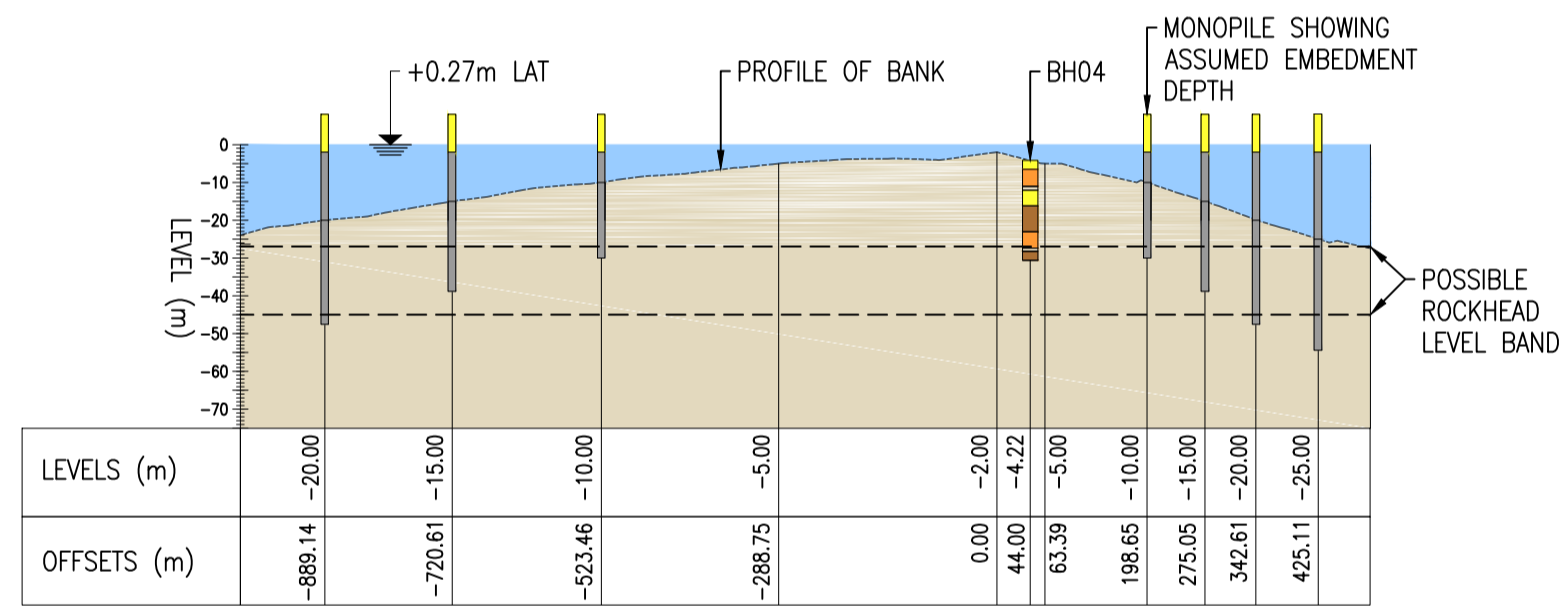
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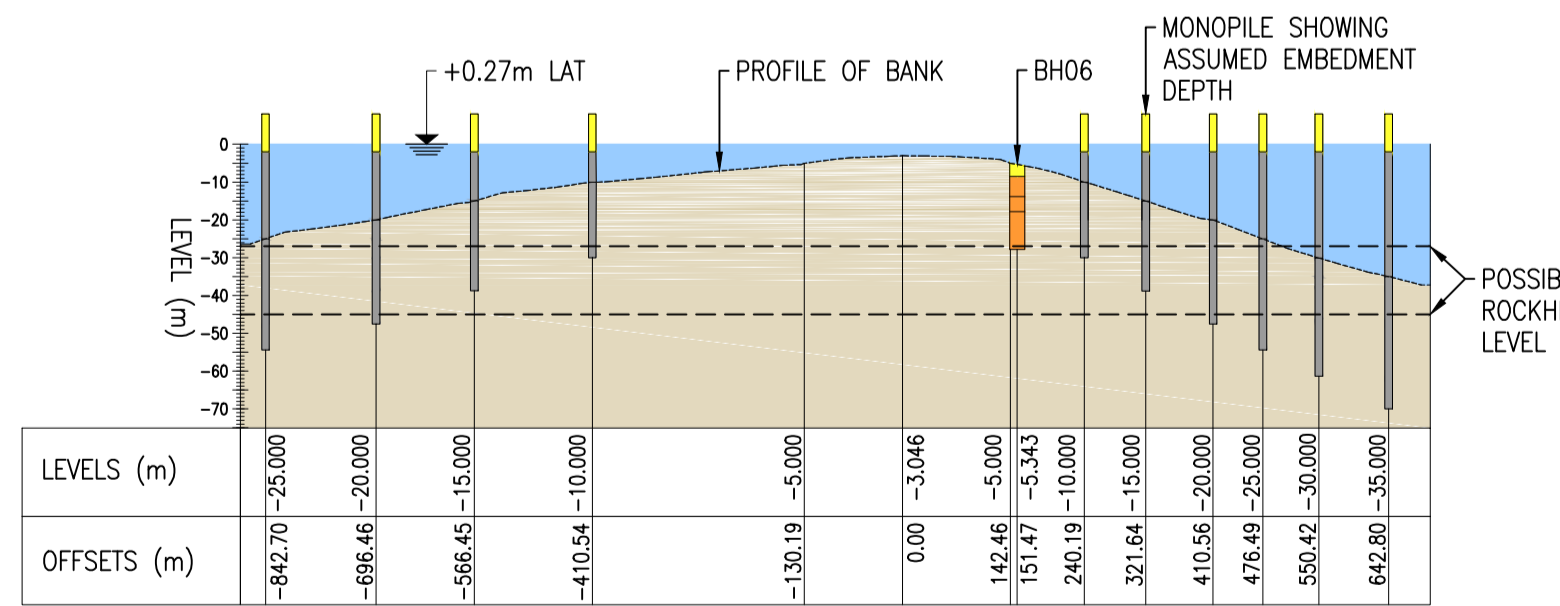
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SCALE: H 1:10000, V 1:2000.



SCALE: H 1:10000, V 1:2000.



SCALE: H 1:10000, V 1:2000.

**ROCKHEAD INFORMATION**

ROCKHEAD LEVEL IS UNPROVEN AND WAS INDICATIVELY OBTAINED BY INTERPOLATION BETWEEN A NUMBER OF PUBLICLY AVAILABLE SOURCES. THE PRIMARY SOURCE OF POTENTIAL ROCKHEAD INFORMATION WAS THE GEOLOGICAL SURVEY IRELAND WHERE A HISTORIC BOREHOLE IDENTIFIES ROCK. NO LOCATION INFORMATION IS PROVIDED FOR THE BOREHOLE, AS SUCH IT HAS BEEN ROUGHLY LOCATED A NUMBER OF KILOMETRES WEST OF THE BANK (ROUGHLY DUE EAST OF THE TOWN OF CASTLETOWN, WICKLOW) TO ESTABLISH THE WATER DEPTHS AT THE BOREHOLE LOCATION. IT IS INITIALLY ESTIMATED THAT THE WATER DEPTHS AT THE BOREHOLE LOCATION COULD LIE SOMEWHERE BETWEEN 22m TO 40m LAT. THE BOREHOLE IDENTIFIES ROCKHEAD AT AROUND 5m BELOW SURFACE. THEREFORE POTENTIAL ROCK HEAD IS IDENTIFIED AT THIS STAGE AS ANYWHERE BETWEEN 27-45m LAT. IT IS STATED THAT GIVEN THE DISTANCE OF THE BOREHOLE FROM THE DEVELOPMENT LOCATION, IT MAY VARY, AS SUCH THE POTENTIAL FOR ENCOUNTERING ROCK IS FOR PRELIMINARY CONCEPT EVALUATION AND COST SCREENING ONLY AND SHOULD NOT BE RELIED ON FOR DETAILED PROJECT ACTIVITIES. ADDITIONALLY, NO DETAILS OF THE TYPE OR CHARACTERISTIC OF THE ROCKHEAD IS IDENTIFIED IN THE BOREHOLE LOG.

**NOTES:**

- DIMENSIONS ARE IN METRES (m) U.N.O.
- BATHYMETRIC DATA FROM FUGRO. SURVEY DRAWING NUMBER 04504-1 (01) (BATH\_SUR.dwg).
- BOREHOLE LOG INFORMATION EXTRACTED FROM FUGRO EXPLORATORY BOREHOLE RECORD DATED 10/09/2000.
- BOREHOLE KEY DESCRIPTIONS ARE GENERIC ONLY, FOR FULL DETAILS REFER TO FUGRO BOREHOLE LOGS.

**BOREHOLE LOG KEY:**

- LOOSE SAND
- MEDIUM DENSE SAND
- DENSE SAND
- VERY DENSE SAND
- GRAVEL
- SILT
- CLAY

PRELIMINARY ESTIMATED MONOPILE EMBEDMENT DEPTHS	
BELOW SEA LEVEL	EMBEDMENT
10m	20m
15m	23.75m
20m	27.5m
25m	29.375m
30m	31.25m
35m	35m

**ASSUMED DATUMS**

- MSL HEAD = +1.39m
- MSL = +1.29m
- SURVEY DATUM = +0.27m
- LAT = 0.00m
- POOLBEG = -1.31m

MSL = MEAN SEA LEVEL  
LAT = LOWER ASTRONOMICAL TIDE  
REFERENCE SURVEY DATUM EXTRACTED FROM FUGRO SURVEY DRAWING DOES DEFINE HOW CHART (SURVEY) DATUM WAS DERIVED, THEREFORE THIS DATUM CAN ONLY BE USED AS A GUIDE.

SURVEY DATUM = 1.58m ABOVE POOLBEG DATUM LEVEL (-2.7m MALIN HEAD). SURVEY DATUM = -1.12m MALIN HEAD

AS PER G.E. DESIGN BASIS REPORT VOL. 1 PAGE 12, MSL AND LAT ARE WORKED OUT AT: MSL -0.10m MALIN HEAD LAT -1.39m MALIN HEAD THEREFORE TO WORK OUT SURVEY DATUM LEVEL RELATIVE TO LAT -1.12m+1.39m = +0.27m LAT

REFERENCE DATUM SHOULD BE REVIEWED AND ACCURATELY DOCUMENTED WHEN UPCOMING SURVEY IS COMPLETED.

10	-	-	-	-
09	-	-	-	-
08	-	-	-	-
07	-	-	-	-
06	-	-	-	-
05	-	-	-	-
04	-	-	-	-
03	-	-	-	-
02	-	-	-	-
01	-	-	-	-
REV	DATE	DRWN BY	APP. BY	AMENDMENTS

SCALE: AS SHOWN  
DRAWN BY: C.RAMSAY  
APPROVED BY: J.DRUMMOND

SSE PROJECT NUMBER  
DRAWN DATE: 22/03/2018  
APPROVED DATE: 23/03/2018

DRAWING STATUS: PRELIMINARY  
LOCATION: ARKLOW BANK OFFSHORE WINDFARM DEVELOPMENT  
TITLE: BANK CROSS SECTIONS THROUGH EXPLORATORY BOREHOLE LOCATIONS

SSE DRAWING NUMBER: XXX\_XXXX\_XXXX  
SHEET: 00  
REV: 00