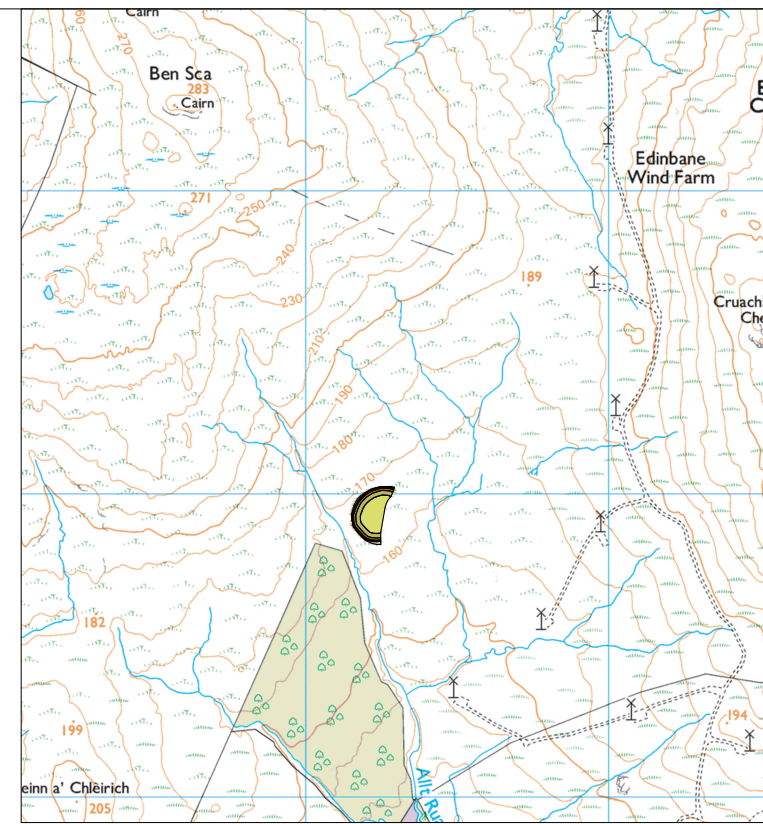


01 PLAN OF BORROW PIT
SCALE: 1:2000



02 LOCATION PLAN
SCALE: 1:25000

- NOTES**
- OVERBURDEN ASSUMED TO BE CIRCA 1M IN THICKNESS COMPRISING SOILS AND WEATHERED ROCK.
 - INITIAL STRIPPED OVERBURDEN TO BE PLACED IN PERIPHERAL BUND, WITH SUBSEQUENT OVERBURDEN AND WASTE MATERIALS TO BE STOCKPILED WITHIN FLAT BASAL AREA OF BORROW PIT PRIOR TO BEING USED IN RESTORATION.
 - DESIGN PARAMETERS ARE INDICATIVE AND SHOULD BE REFINED BASED UPON FINDINGS OF GROUND INVESTIGATIONS AND/OR INITIAL EXCAVATIONS, TAKING INTO ACCOUNT GROUND CONDITIONS AND HYDROLOGICAL ISSUES.
 - ASSUMES INSITU CONVERSION FACTOR OF 2 TONNES PER m³.

LEGEND

	BENCH/BASE OF EXCAVATION
	EXCAVATION BATTER
	PERIPHERAL BUND
	BENCH
	EARTHWORK SLOPES

Level	PROPOSED MAXIMUM EXCAVATION PROFILE										PERIPHERAL BUND									
	EXISTING GROUND PROFILE																			
Chainage	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	
Existing Ground Levels	162.915	162.893	162.605	162.615	163.309	163.959	164.637	165.313	165.955	166.094	166.235	166.368	166.510	166.643	166.777	166.918	167.179	166.994	166.838	
Proposed Levels						161.708	161.749	161.877	162.005	162.133	162.261	162.334	162.174	162.011	162.384	165.630	166.884	166.390	167.057	

SECTION A
Scale: H 1:500, V 1:500. Datum: 160.000

Level	EXISTING GROUND PROFILE										PROPOSED MAXIMUM EXCAVATION PROFILE										PERIPHERAL BUND									
Chainage	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	203.39								
Existing Ground Levels	169.379	168.910	168.437	167.961	167.427	166.832	166.242	165.957	165.998	166.028	165.917	165.870	165.852	165.838	165.853	165.869	165.886	165.871	165.810	165.637	165.164	165.000								
Proposed Levels		168.754	169.721	168.207	167.500	164.436	162.844	162.491	162.166	161.889	161.825	161.980	162.195	162.410	162.368	162.251	162.269	162.274	162.264	164.039	167.278	168.851	165.248							

SECTION B
Scale: H 1:500, V 1:500. Datum: 160.000

TOTAL EXCAVATION VOLUME	27,884m ³
OVERBURDEN VOLUME	7,970m ³
NET STONE VOLUME	19,914m ³
PERIPHERAL BUND FILL	3,222m ³
NET STONE TONNAGE	55,768T
EXCAVATION AREA	7,970m ²
EXCAVATION METHOD REQUIRED	DIGGING, DRILLING AND BLASTING
INFERRED DESIGN PARAMETERS	63 DEGREE FACES THROUGH COMPETENT ROCK MAXIMUM FACE HEIGHT OF 4.8m FINAL BENCH WIDTH OF 7.5m 1.5m HIGH PERIPHERAL BUND
CO-ORDINATES FOR CENTRE OF BORROW PIT	E: 134222 N: 845938



BALMEANACH WIND FARM LIMITED



BALMEANACH WIND FARM - EIA
DESCRIPTION OF DEVELOPMENT

BORROW PIT 3

FIGURE 3.11C

Scale AS NOTED @ A3	Date MAY 2023
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428.V11223.00001.FIG3.11C_Borrow_Pit_3.dwg