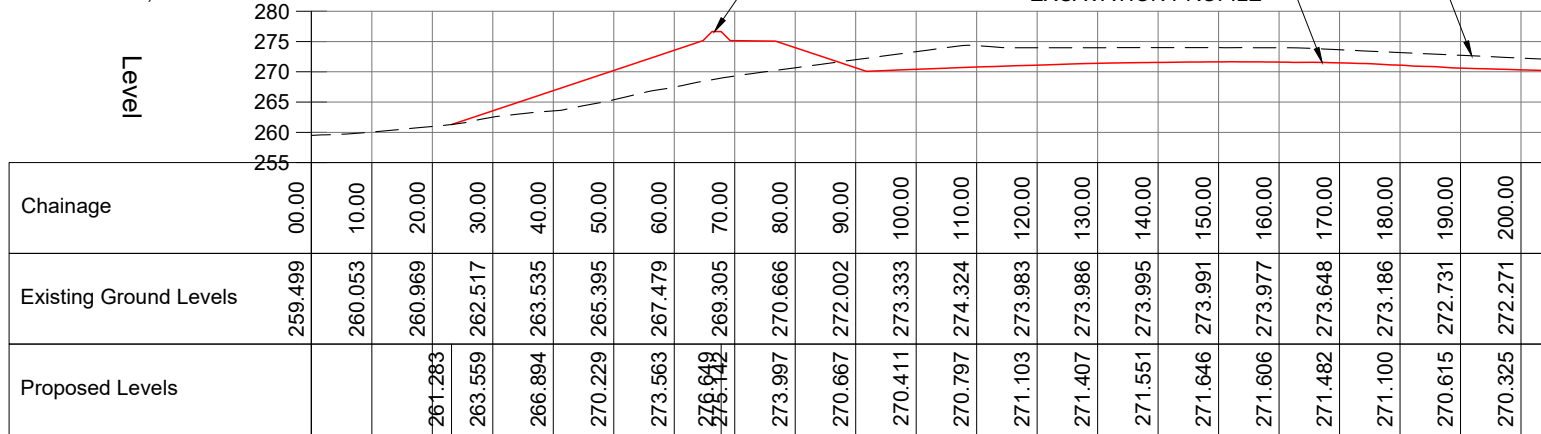


01 PLAN OF BORROW PIT
SCALE: 1:2000

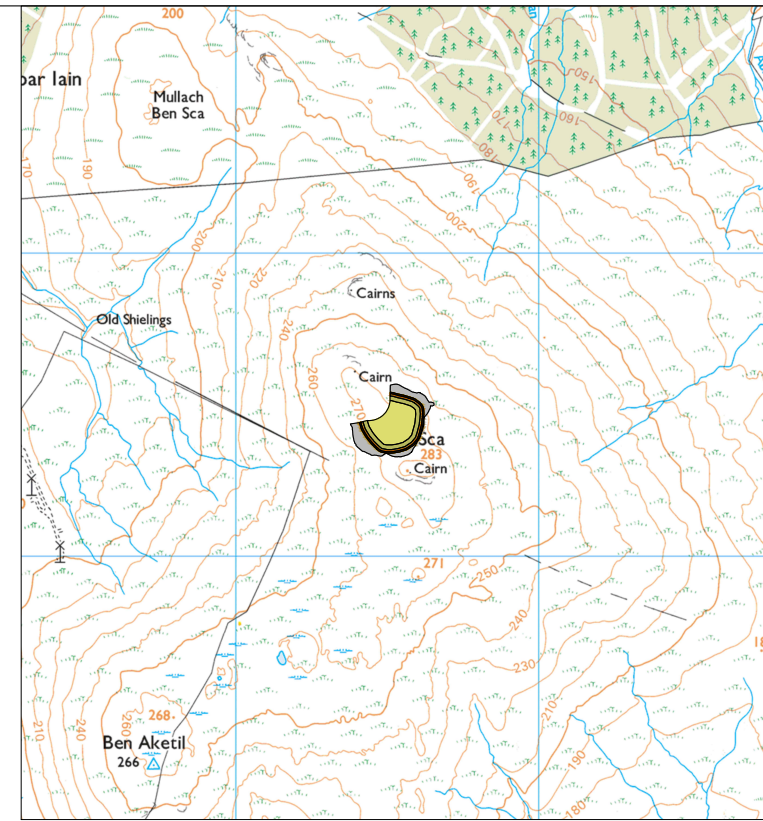
Level	PROPOSED MAXIMUM EXCAVATION PROFILE																				EXISTING GROUND PROFILE																						
Chainage	00.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	204.39																					
Existing Ground Levels	271.438	271.657	272.407	272.852	273.347	273.907	274.261	274.504	274.760	275.010	275.266	275.534	275.829	276.545	277.446	278.312	278.920	279.314	279.451	279.571	279.681	279.747																					
Proposed Levels			272.531	272.290	271.996	271.697	271.399	271.100	270.801	270.503	270.204	269.906	269.607	269.308	269.153	270.750	274.078	275.722	276.810	279.427																							

SECTION A
Scale: H 1:500, V 1:500. Datum: 255.000



SECTION B
Scale: H 1:500, V 1:500. Datum: 255.000

Level	PROPOSED MAXIMUM EXCAVATION PROFILE																				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	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00	300.00	310.00	317.49																					
Existing Ground Levels	259.499	260.053	260.969	262.517	263.535	265.395	267.479	269.305	270.666	272.002	273.333	274.324	273.983	273.986	273.995	273.991	273.977	273.648	273.186	272.731	272.271	271.818	271.378	271.020	270.673	270.324	269.975	269.517	268.151	266.217	264.193	262.955	262.000																					
Proposed Levels			261.283	263.559	266.894	270.229	273.563	276.649	278.142	279.997	280.667	280.411	280.797	281.103	281.407	281.551	281.646	281.606	281.482	281.100	280.615	280.325	280.002	269.598	269.117	268.837	281.630	283.503	283.526	280.320	267.062	264.751																						



02 LOCATION PLAN
SCALE: 1:25000

TOTAL EXCAVATION VOLUME	56,589m³
OVERBURDEN VOLUME	15,343m³
NET STONE VOLUME	41,246m³
PERIPHERAL BUND FILL	10,062m³
NET STONE TONNAGE	82,492T
EXCAVATION AREA	15,343m²
EXCAVATION METHOD REQUIRED	DIGGING, DRILLING AND BLASTING
INFERRED DESIGN PARAMETERS	63 DEGREE FACES THROUGH COMPETENT ROCK MAXIMUM FACE HEIGHT OF 7.9m FINAL BENCH WIDTH OF 7.5m 1.5m HIGH PERIPHERAL BUND
CO-ORDINATES FOR CENTRE OF BORROW PIT	E: 133523 N: 847432

- 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

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BALMEANACH WIND FARM - EIA
DESCRIPTION OF DEVELOPMENT
BORROW PIT 4

FIGURE 3.11D

Scale AS NOTED @ A3 Date JUNE 2023

428.V11223.00001.FIG3.11D_Borrow_Pit_4.dwg