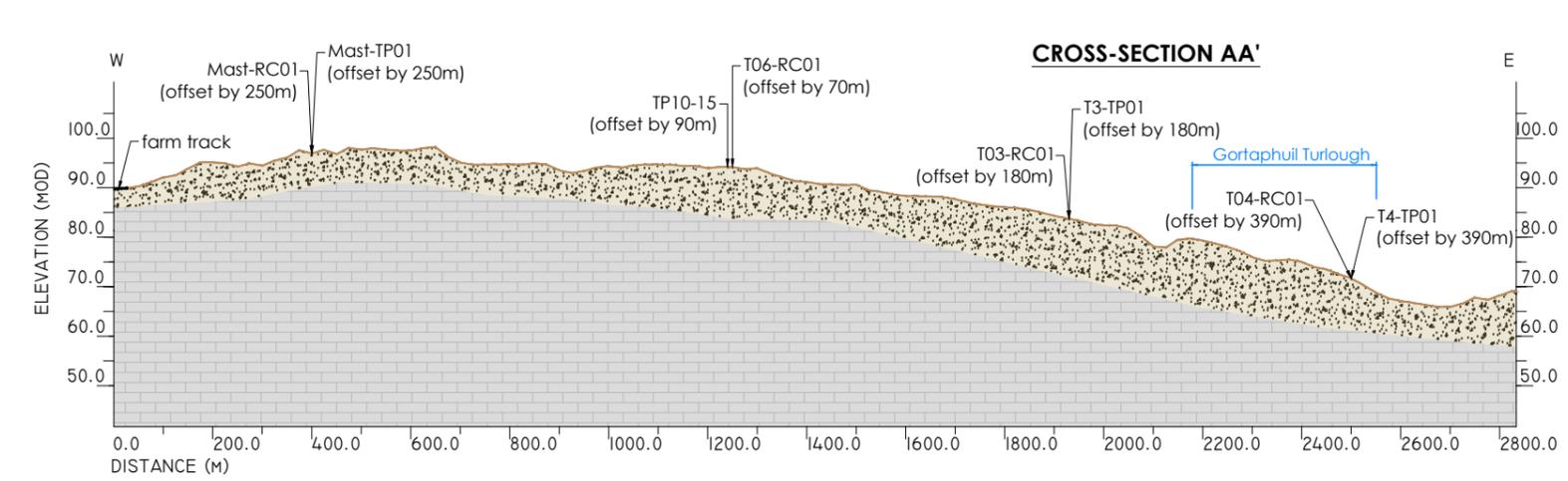
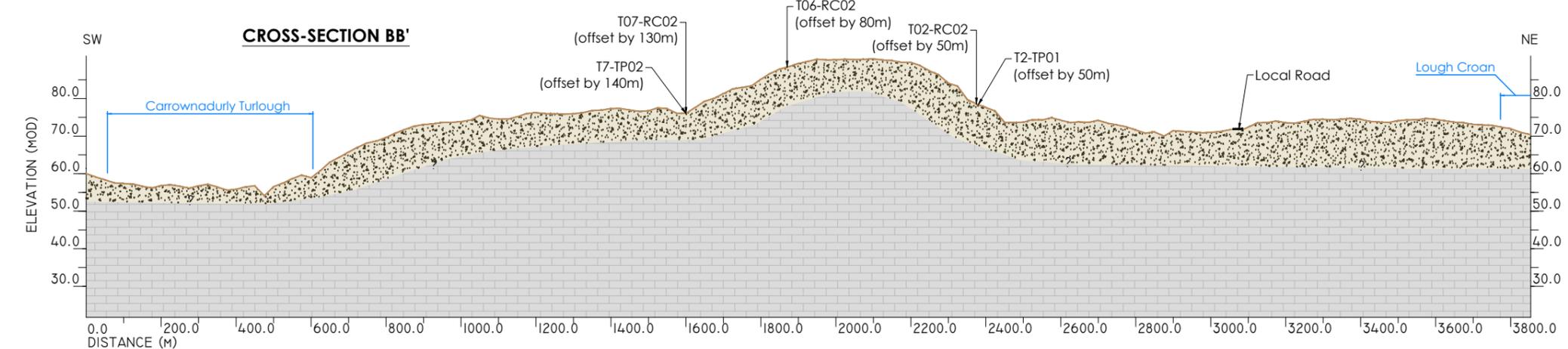
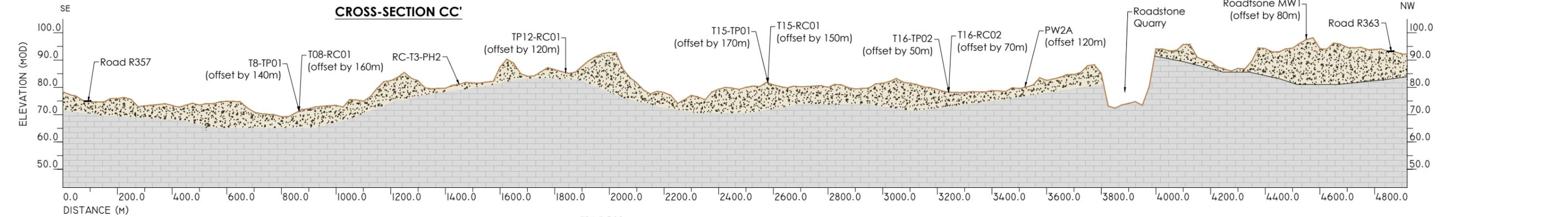
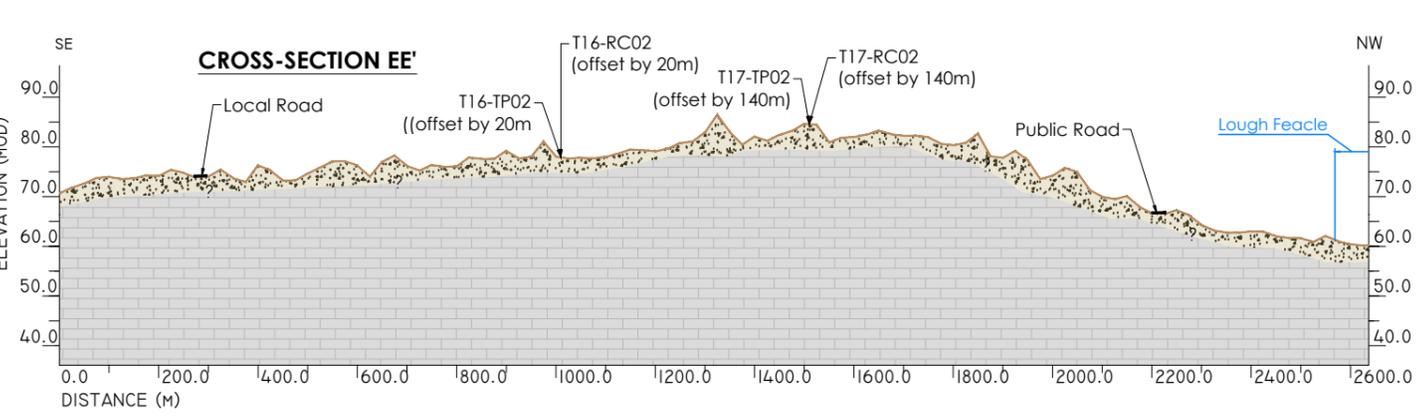
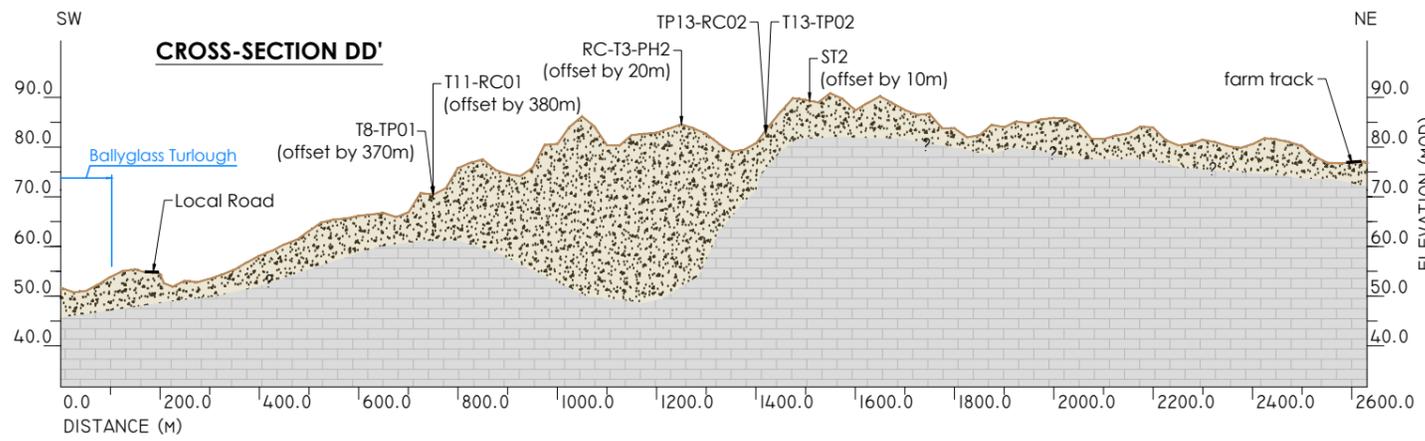




APPENDIX 8-5

GEOLOGICAL CROSS SECTIONS

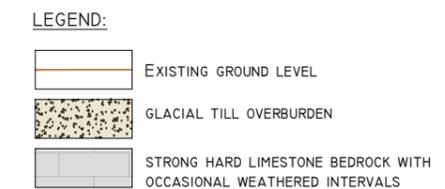


NOTES: THE ABOVE CROSS-SECTIONS ARE BASED ON SITE-SPECIFIC DATA OBTAINED FROM ITERATIVE AND EXTENSIVE ON-SITE GEOLOGICAL INVESTIGATIONS. DATAPPOINTS (WITH OFFSET DISTANCES SHOWN ON THE CROSS-SECTIONS) USED IN THE DRAWING OF THESE CROSS-SECTIONS HAVE BEEN IDENTIFIED ALONG WITH OTHER IMPORTANT FEATURES INCLUDING PUBLIC ROADS AND LOCAL TURLOUGH. HOWEVER DUE TO THE LARGE SCALE OF THE PROPOSED WIND FARM SITE (INCLUDING THE NORTHERN AND SOUTHERN CLUSTER), THESE CROSS-SECTIONS ONLY REPRESENT THE GENERAL GEOLOGY OF THE AREA. THE FOLLOWING OBSERVATIONS ARE BASED ON THE SITE DATA BUT HAVE NOT BEEN INCLUDED IN THE GENERALISED CROSS-SECTIONS:

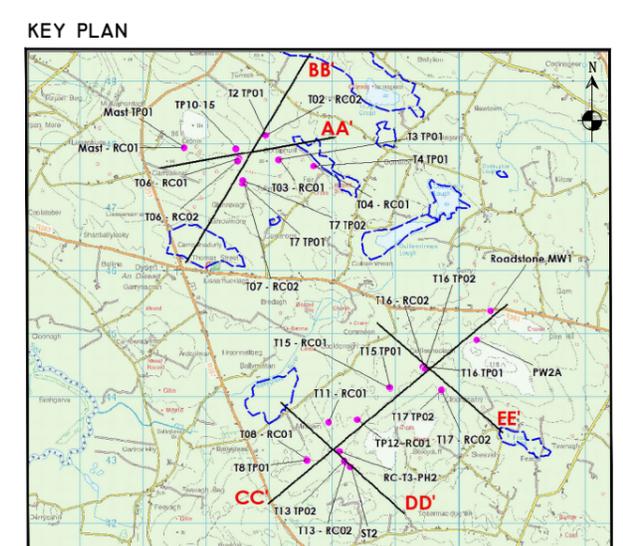
- (1) A THIN BROWN TOPSOIL COVERS MUCH OF THE SITE (NORTHERN AND SOUTHERN CLUSTERS).
- (2) THE GLACIAL TILL OVERBURDEN IS NOT HOMOGENOUS BUT VARIABLE IN ITS COMPOSITION ACROSS THE SITE, WITH SEVERAL VARIATIONS OF THE SAME CLAY, SAND, GRAVEL CONSTITUENTS AND OFTEN WITH AN INCREASING LIMESTONE GRAVEL AND COBBLE CONTENT WITH DEPTH.
- (3) SIMILARLY, THE UNDERLYING LIMESTONE BEDROCK IS LARGELY MASSIVE (SOLID), BUT THERE ARE LOCAL AREAS OF WEATHERING AS WOULD BE EXPECTED IN ALL BEDROCK FORMATIONS.

THIS LOCAL HETEROGENEITY ENCOUNTERED ON-SITE IS NOT REPRESENTED ON THESE CROSS-SECTIONS BUT IS DISCUSSED IN DEPTH IN THE IAR TEXT.

**PLEASE NOTE VERTICAL SCALE ON CROSS SECTIONS IS EXAGGERATED BY A FACTOR OF 5
 **PLEASE NOTE HORIZONTAL SCALE ON CROSS SECTIONS IS REDUCED BY A FACTOR OF 0.5



SUMMARY GEOLOGY



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Revisions			
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