APPENDIX 2

Bow Farm - Method specification for the placement and compaction of imported inert fill

1. Fill Selection

The suitability of inert fill to be imported for construction works will be determined by staff having the appropriate level of technical competence with relevant qualifications gained from one of the accepted industry schemes.

Cohesive fill shall have a minimum undrained shear strength of 40kN/m^2 as determined by tactile site inspection based on the criteria set out in Table 13 of British Standard BS 5930:1999 (Code of Practice for Site Investigations).

2. Fill Placement and Compaction

General

2.01 The works will be undertaken by an experienced earthworks operator (Moreton C Cullimore (Gravels) Limited) in accordance with principles of best practice including British Standard BS 6031:2009 (Code of Practice for Earthworks).

2.02 Phased dewatering of earthworks construction areas will be undertake to ensure that the fill placement and compaction is undertaken in dry conditions.

2.03 Fill shall be tipped short of the position of its eventual placement. Following inspection and confirmation of suitability, the fill shall be dozed and graded into place by a tracked bulldozer (CAT D6 or equivalent).

2.04 Within each phase of filling, fill shall be placed and compacted in uniform layers and shall, as far as is practicable, be brought up at a constant rate to site formation level.

2.05 Cobbles, boulders, rock or waste fragments whose largest dimension is greater than two-thirds of the loose layer thickness shall not be incorporated into the fill.

2.06 No fill shall be placed and left uncompacted at the end of the working day.

2.07 Compacted fill shall be graded to falls to ensure free runoff of rainwater without ponding during construction.

2.08 Where fill material containing a large proportion of fine grained cohesive material (for example, clay) is used, filling during wet weather shall be avoided.

2.09 If there is only a limited amount of relatively free draining granular material available, it will be best to place it in layers interspersed between layers of more cohesive fill; this will assist drainage and thus reduce the time required for the more cohesive materials to consolidate.

2.10 Fill placement and compaction activities shall be routinely monitored by the technically competent person.

Layer thickness

2.11 Loose layer thickness shall be no greater than 500mm (no greater than 250mm in the uppermost 1.5m).

Compaction plant

2.12 A tracked bulldozer (CAT D6 or equivalent) will be used to spread the deposited fill into layers and to compact the fill.

2.13 The number of passes N is the number of times that each point on the surface of the fill layer being compacted is traversed by the track of the bulldozer. The minimum value of N to be adopted is 6.