

Email supporting correspondence to the LLFA

2.9.24 from C3 Construction

SPECIFICATION

It has been determined that for this scheme an 'End Product' Specification should be adopted for the compaction of the proposed fill. All materials and workmanship shall be in accordance with this earthworks Specification together with the specification for Highway Works, Volume 1 of the Manual of Contract Documentation for Highways Works published by HMSO. All works shall follow the guidelines and recommendations contained within BS6031: 2009. Code of practice for Earthworks.

GENERAL EARTHWORK REQUIREMENTS

Topsoil strip. Prior to works commencing a surface/topsoil strip will be required to remove the organics that are anticipated to be present based on the visual inspection of the surface soils and the presence of vegetation at surface levels across the site.

Bulk Earthworks. The bulk earthworks will be carried out in accordance with the proposed cut and Fill plan and engineered into layers of 200mm. Any soft spots found during the operation will be dug out and re-engineered back up to level.

Compaction. The material will be compacted in line with Table 6/1 and Table 6/4 as detailed below: a. **Method** – Method 1

b. **Type of Compaction Plant** - Vibratory Roller

c. **Category** – Over 2900kg up to 3600kg

d. **Material Depth (D)** – 200mm

e. **Passes (N)** – 4

VALIDATION REPORT

The below criteria will be applicable to all re-engineered materials utilised in the earthworks to provide a suitable development platform and will be recorded in the validation Report. a. On the final earthworks layers a minimum CBR of 2% should be confirmed via plate load tests for plot areas using a suitable diameter plate on a localised grid system.

X, Y and Z coordinates will be provided at each test location and marked on a suitable drawing.

CONCLUSION

The earthworks will be carried out by C3 to an end product specification in conjunction with the specification as outlined and in accordance with the specification for Highway works, Series 600.