



UNIVERSITY OF LEEDS

This is a repository copy of *Engineering the landscape – Capability Brown’s role*.

White Rose Research Online URL for this paper:

<http://eprints.whiterose.ac.uk/107312/>

Version: Accepted Version

Article:

Clarke, BG orcid.org/0000-0001-9493-9200, Barrett, B, Hudson, E et al. (1 more author) (2017) *Engineering the landscape – Capability Brown’s role*. *Proceedings of the Institution of Civil Engineers (London) Engineering History and Heritage*, 170 (1). pp. 19-30. ISSN 1757-9430

<https://doi.org/10.1680/jenhh.16.00017>

Reuse

Unless indicated otherwise, fulltext items are protected by copyright with all rights reserved. The copyright exception in section 29 of the Copyright, Designs and Patents Act 1988 allows the making of a single copy solely for the purpose of non-commercial research or private study within the limits of fair dealing. The publisher or other rights-holder may allow further reproduction and re-use of this version - refer to the White Rose Research Online record for this item. Where records identify the publisher as the copyright holder, users can verify any specific terms of use on the publisher’s website.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Table 2 Rate of excavation and transport earth (after Rolt, 1969)

Nature of Soil	Volume excavated (m ³ /8h)	
	By hoe	By pick/shovel
Soft (alluvium, sandy soil)	2.5-3	3.5-4
Moderately hard (loam, light clay)	1.5-2	2.5-3
Hard (heavier clay)	1	2.2-5
Water saturated	0.8-1.5	1.5-2

Haulage Equipment	Recommended Hauling Range (m)	Capacity (m ³)
Head basket	4-50	0.02
Western wheelbarrow	25-150	0.08
Chinese wheelbarrow	50-400	0.16
Animal cart	100-500	0.7
Tractor and trailer	250-5000	3-3.5
Tipper truck	2000 upwards	5-6