

Maintenance Committee 17th June 2021
MA025/21 Stockbridge Meadows (b) Engineering Quotes – Boardwalk

Quote 1

Begin forwarded message:

From: tom upcraft <upcrafttom@gmail.com>
Subject: Stockbridge meadows
Date: 14 June 2021 at 06:03:04 BST
To: John Travis <johntravis895@gmail.com>

Tom

Thank you for your email. Hamid has asked me to undertake a preliminary structural assessment of the proposed boardwalk scheme.

I assume that the construction is to be formed over marshland and therefore this may present issues for establishing a platform for the support of plant required for the installation of piled foundations. Holical piles would in our view not be ideal in this respect. They have limited lateral deformation characteristics and head attachments would be difficult to form with sufficient rigidity to counter torsional distortion of the walkway.

I suggest that the piles should be of a cased type using the grundomat system (nominally 150mm in diameter) of installation.

These require lightweight installation equipment and can be designed for a welded top collar and transverse head rail (which will afford attachments to the walkway deck).

I anticipate that the 'dog-leg' bends in the plan alignment of the boardwalk will require composite groups of piles to counter the torsional forces transmitted by the walkway panels. The latter will need to be designed to be torsionally stiff and will therefore need to be designed as a series of framed panels. Paired piles may need to be introduced at intervals to justify the lateral stability of the construction..

Our costs to design and detail the sub-structure in conjunction with the proposed deck panels will be **£2250 + VAT**. We will need to time charge our costs for any involvement in management

meetings and site attendances during construction (ie at **£115 + Vat / per hour**).

In essence Building Regulations are concerned with health and safety issues. This boardwalk structure provides a low footway route without handrail protection i.e. only elevated just above the general site ground levels. It would not appear to constitute a potential health & safety risk and would therefore be of no interest to Building Control.

Regards

Graham Fletcher

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Quote 2

From: tom upcraft <upcrafttom@gmail.com>
Subject: Kirkwood structures
Date: 14 June 2021 at 17:25:04 BST
To: John Travis <johntravis895@gmail.com>

Hi Tom,

Thank you for the e-mail. Given the time frame I can only give you an outline budget quote as follows.

Quote Phase 1 – reviewing the information and preparing a tender package for the scheme has presented allowing for the following –

- Site visit
- Design of the timber elements
- Production of a plan showing the loads on steel screw piles for a specialist to design and detail
- Specification of the structural elements.
- No allowance for meetings with tenders is included, however e-mail and phone queries are expected.

Please allow for £1200 for the above phase 1 items.

Phase 2 – contractor design support and sign off

- Prestart meeting
- 3x site visits with Photos and comments sent on e-mail

Please allow £1000 for the above phase 2 items.

This assumes that setting out and other non structural items are by others.

If the above is of interest I can prepare a formal quote.

Best Regards

Roger

