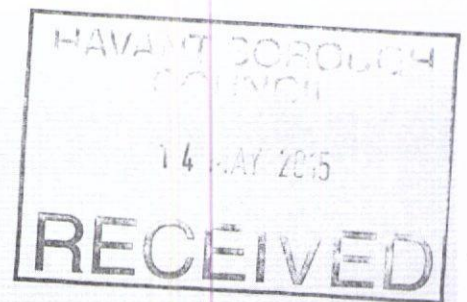


LOCKE

DESIGN & ARCHITECTURE



6 may 2015

Havant Borough Council
Public Service Plaza
Civic Centre Road
Havant
PO9 2AX

Dear Sirs/Madam

householder application for "The Shallows" Woodgaston Lane Hayling Island PO11 0RL

Attached please find my completed householder application form for the a supplementary sea defence wall @ the above address. The accompanying documents schedule what is included in this submission.

The planning package was submitted by e mail, on 6 may 2015 to planning.development@havant.gov.uk ,

I trust all is satisfactory.

best regards

Robin Locke
LOCKE DESIGN Ltd
M: 07813 182775

14 MAY 2015

RECEIVED

Date: 5 May 2015

site: The Shallows Woodgaston Lane Hayling Island Hampshire PO11 0RL

project: proposed foreshore works

Scope of works and method statement for supplementary sea defence wall

Summary of the scope of work

Retain the existing low concrete wall upstand and ramped concrete base which runs along the boundary of the foreshore and garden.

Construct to the **rear** of the retained wall a new RC wall and footings.

Clad the sea facing concrete wall with new hardwood sleepers.

Install a new French drain within the existing ditch and cover, finishing with lawn

Form a short - +-7 l.m earthen bund to a 3.40+- datum within Shallows garden along the eastern land boundary and ditch - this being the **single point** where the sea water enters the Shallows garden via the neighbours land.

note:

Other than minor repair work - considered de minimus - there is no work proposed to the existing concrete slipways.

The existing

The existing seawall configuration comprises 2 RC slipways - 1 each to the west and east - and a run of angled concrete sloping into the shingle onto which a stub large aggregate concrete wall has been placed. This construction has been extended individual concrete blocks - all are now displaced.

The base of the angled concrete element is mean 2.20.

The MHWS is 2.17 or lower than the base of the existing defences.

The OA ht of the wall is 60cm+- (2.87)

The slipways are reinforced concrete, the wall isn't.

Running parallel with the foreshore wall is an open ditch which, other than acting as a receiver of the small amount of overtopped water, acts principally as a unwilling tributary of the main outflow ditch which forms the western boundary and is owned by others. This ditch has an outfall onto the foreshore but it is bad repair – non return function failure.

To the east of the Shallows is a garden plot, at the boundary of which, is a short ditch dug originally to halt the ingress of sea water entering the Shallows gardens via the neighbours land... this is the low point and the only direction that sea water enters the Shallows.

The proposal

To build a new sea wall within the owners land and behind the retained and existing wall. Specifically;

The proposal is to retain the original structure but to construct a new “L” shaped RConcrete wall clad with new uncontaminated sleepers – Guyanese Heartwood or similar. These sleepers will be hung out and over the retained wall.

From the seaward side you will see an ordered line of vertical timbers which after one season will colour silver.

The OA height of the sleepers will be 530mm above the top of the existing wall. The RC wall will be 3.40 AODN which is equal to the projected extreme high tide within Chichester Harbour – **probability of which is tiny @ 0.5%.**

The existing grass bund to the rear of the existing ditch will be lowered to 3.40

Additionally, it is proposed that the existing ditch which apart from handling the small amount of overtopping and water from the surrounding land has no real flood management function will be replaced with a French drain system and infilled with graded aggregate (to enable drainage).

This proposed design was determined to enable the works to be implemented without needing to access the foreshore. All plant and fixings, detritus and labour will be contained landside.

note:

The Shallows is fortunate to have a small but flourishing colony of wild Green Winged orchids. They occupy a small area well away from the foreshore and contained towards the north west of the garden. The route from the road to the foreshore will be clear of these areas but during the works the route will be marked and, in any areas of overlap, matting will be laid down for protection.

Attached is a plan showing the location and extent of these lovely things.

Sequence summary – method statement

Mark out and delineate the access route

All access and egress to the foundation dig from the land side.

Dig the trench, form concrete slab.

Fix pre assembled shuttering and pour concrete

Pump out water from culvert into neighbouring drainage ditch from where it will discharge onto the foreshore

Reform base of culvert and cuts thro' areas adjacent to slipways

Introduce French drain along length terminating at the western end through a concrete stop wall – discharging in the drainage ditch.

Introduce type 1 aggregate over base of "L" structure.

Introduce sleepers with pre attached brackets onto RC wall

Complete groundworks ending in finished topping.

Form short bund along south eastern boundary

Remove all detritus via Woodgaston Lane.

The area of work is on private land but it is envisaged that it would be wise to have clear warning signs showing to deter any who straggle onto the beach.

The works would be started and completed within the period 1st april – 30 september.

The works themselves would take up to 6 weeks.

The plant used will be a small dumber and small excavator – narrow scoop.

OTHER MATTERS

Trees and bushes

The works does not require the removal or damage to any trees and bushes.

Pre Application – GEN/15/00128/ 113 - 48512

The process informed this current “householder” application. Copies of concluding e mails from EA, NE, CHC, County Coastal protection and Ecology are included in this application.

There is a note from Linda Park – CHC, which is self explanatory. I would just like to add that while other materials are preferred for sea defences within the Chichester Harbour, the proposed use of concrete and timber is “right” in this context.

French drain

The water in the French drain will discharge into the neighbours drainage ditch and out thro the existing outfall onto the foreshore.
Effectively this is the current arrangement.

Tide gate

LOCKE drawing 002 shows the inclusion of a “tide gate”. I am uncertain that this is the correct name for what is proposed, namely;
a single 250 high timber board (matching the sleepers), dropped across the top of the existing ramps located within vertical channels and against an angle along the ground. When not in use the board will be stored away from “site.”

Orchids + Ecological Assessment

During the pre app process it was confirmed that the eco assessment was required due to the presence of orchids on a neighbouring plot owned by Mr Atkins.
One species – Green Winged Orchid / Anacamptis morio – does grow, albeit in modest numbers @ The Shallows.

We have been in touch with Mr Atkins and have read his report regarding the presence of the Orchids on his land – very thorough - and it seems that my clients Jonathan Butler and Kate Keeping have a similar management process in place at the Shallows.

Mr Atkins report formed part of his application ref APP/14/00343 and was accepted as a resolution of the Ecological aspects of the project.

I understand that the same applies to this application, indeed as our approach to construction process has been to avoid access by the workmen to the foreshore during construction our scheme is less likely to damage flora and fauna.

Neighbours

The neighbours immediately to the west of the Shallows, Dr and Mrs MC Glasgow, have been shown the proposed scheme and are supportive.

Structure

This submission includes structural drawing reference, 10082STR- 001revP2. This was prepared for the pre-application and for the client assurance, costing etc. It remains relevant however as part of the iterative design process the OA height of the structure has reduced: a good thing.