



Tollesbury Parish Council

Notice is hereby given that the virtual Meeting of the **TOLLESBURY PARISH COUNCIL WOODROLFE HARD COMMITTEE** will be held on Thursday 19th November 2020, via Zoom commencing at 7.30pm, to which members of the Woodrolfe Hard and Marine Assets Committee are summoned for the transaction of the under-mentioned business.

M. Curtis

Michelle Curtis – Clerk to the Council

12th November 2020

Councillors: M Bell, R Clare, R Lankester, S Plater, A St Joseph

Non-Voting Members: A Eastham, B Parmenter

THE PRESS AND PUBLIC ARE CORDIALLY INVITED TO ATTEND

Photographing, recording, broadcasting or transmitting the proceedings of a meeting by any means is permitted however the privacy of (i) persons who object to the same and (ii) children and vulnerable adults must be respected by anonymising the identities of such.

The meeting is virtual and is being held via Zoom. If you wish to attend the meeting, please contact the Clerk who will email you joining information.

1. Apologies for Absence

To receive apologies for absence.

2. Declaration of Interest

Members are reminded that they are required to declare any Disclosable Pecuniary Interests, Other Pecuniary Interests and Non-Pecuniary Interests which they know they might have in items of business on the agenda. They are reminded that they will need to repeat their declarations at the appropriate point in the meeting and leave the room if required under the Code of Conduct. Unforeseen interests must be declared similarly at the appropriate time.

3. Public Forum

Members of the public will be given an opportunity to put forward their question(s) or statement to the Council. The Chairman will at his discretion then decide if he is able to answer the question(s) or proposes to put the item on the agenda for the next meeting.



4. Minutes

To receive and approve the Minutes of the Woodrolfe Hard Committee Meeting held on 1st October 2020. #

5. Aerial Survey

To receive and discuss the Aerial Survey for Woodrolfe Hard.. *

6. Woodrolfe Hard

To discuss proposed improvement works to the dock area and agree a budget.

7. Speeding – Jet Skis

To receive statement regarding the speeding of jet skis at Tollesbury Fleet and Woodrolfe Creek. *

8. South Channel Shallows

To receive letter from Tollesbury Mud Club regarding the south channel shallows.*

9. Precept 2021/22

To discuss financial requirements for 2019/20 for consideration by the Finance Committee.

10. Other Matters

To consider any other matters relating to Woodrolfe Hard.

11. Next Meeting

To agree to the date of the next Woodrolfe Hard Committee meeting.

Key: * = attached - # to follow

TOLLESBURY

AERIAL SURVEY



TOLLESBURY
PARISH
COUNCIL



GN Surveys

Document History

DESCRIPTION

Below is the history of this document highlighting when it was made and detailing all revisions to the original document and the reasons why the document has been revised. Viewpoint holds all revisions of the document should you need to review against previous versions but please note the latest version will always be shown when searching for the document initially.

REVISION	DATE	PURPOSE OF ISSUE/REVISION	COMPANY/AUTHOR
P1	21.10.2020	ORIGINAL ISSUE	GNS



Document Contents

INTRODUCTION

This digital document has been produced in collaboration with GN Surveys for the delivery of the Tollesbury project for Tollesbury Parish Council. All documents and links within this document are correct at time of production and should no links work or folders be empty then this may be due to this not being the latest version of the document. Please contact Tollesbury Parish Council directly to make sure you are using the most up to date information.

Drawings in this document are shown/printed at A3 size. Links on the final page include drawings at native A1 size.

- 1 AERIAL IMAGERY DRAWING**
- 2 AERIAL IMAGERY DRAWING WITH SPOT LEVELS**
- 3 CREAK LONG SECTIONS**
- 4 CREAK SECTIONS**
- 5 POND SECTIONS**
- 6 SURVEY REPORT**
- 7 SUPPORTING DOCUMENT LINKS**



Aerial Imagery **Drawing**





Notes

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Overview

Location:



P1	INITIAL ISSUE	MO	DT	GN	21-10-2020
Rev.	Amendment	Drm.	Chkd.	Appd.	Date

Project
TOLLESBURY

Drawing
AERIAL IMAGERY PLAN

Client
 **TOLLESBURY
PARISH
COUNCIL**

 **GN Surveys**

Colchester, Essex, UK
www.gnsurveys.co.uk
data@gnsurveys.co.uk

Scale at A1 - 1:100	Status: ISSUED
Project / Drawing No. 1059_10_TCC_002	Rev. P1

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Aerial Imagery **Drawing plus spot levels**

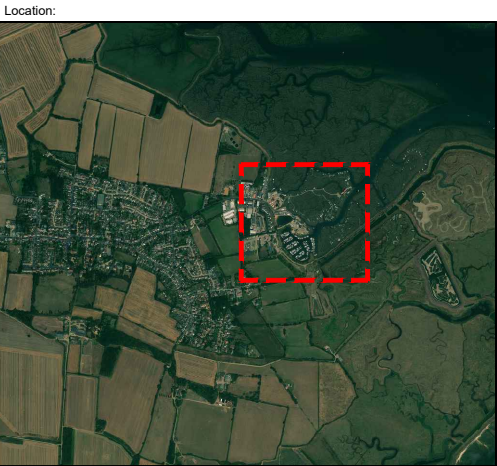




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Overview



P1	INITIAL ISSUE	MO	DT	GN	21-10-2020
Rev.	Amendment	Drm.	Chkd.	Appd.	Date

Project
TOLLESBURY

Drawing
**AERIAL IMAGERY PLAN
PLUS LEVELS (10m)**

Client



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GNSurveys

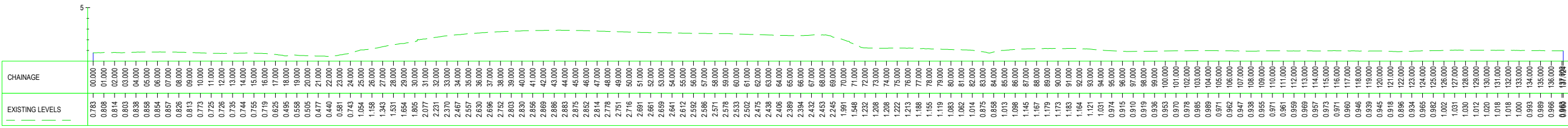
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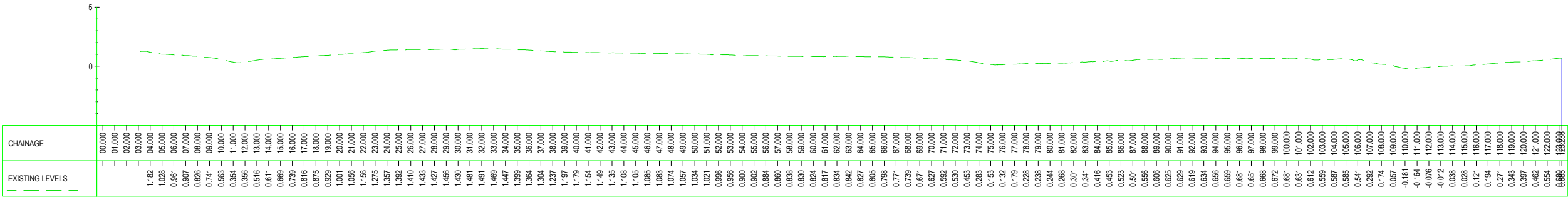
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Creak **Long Sections**

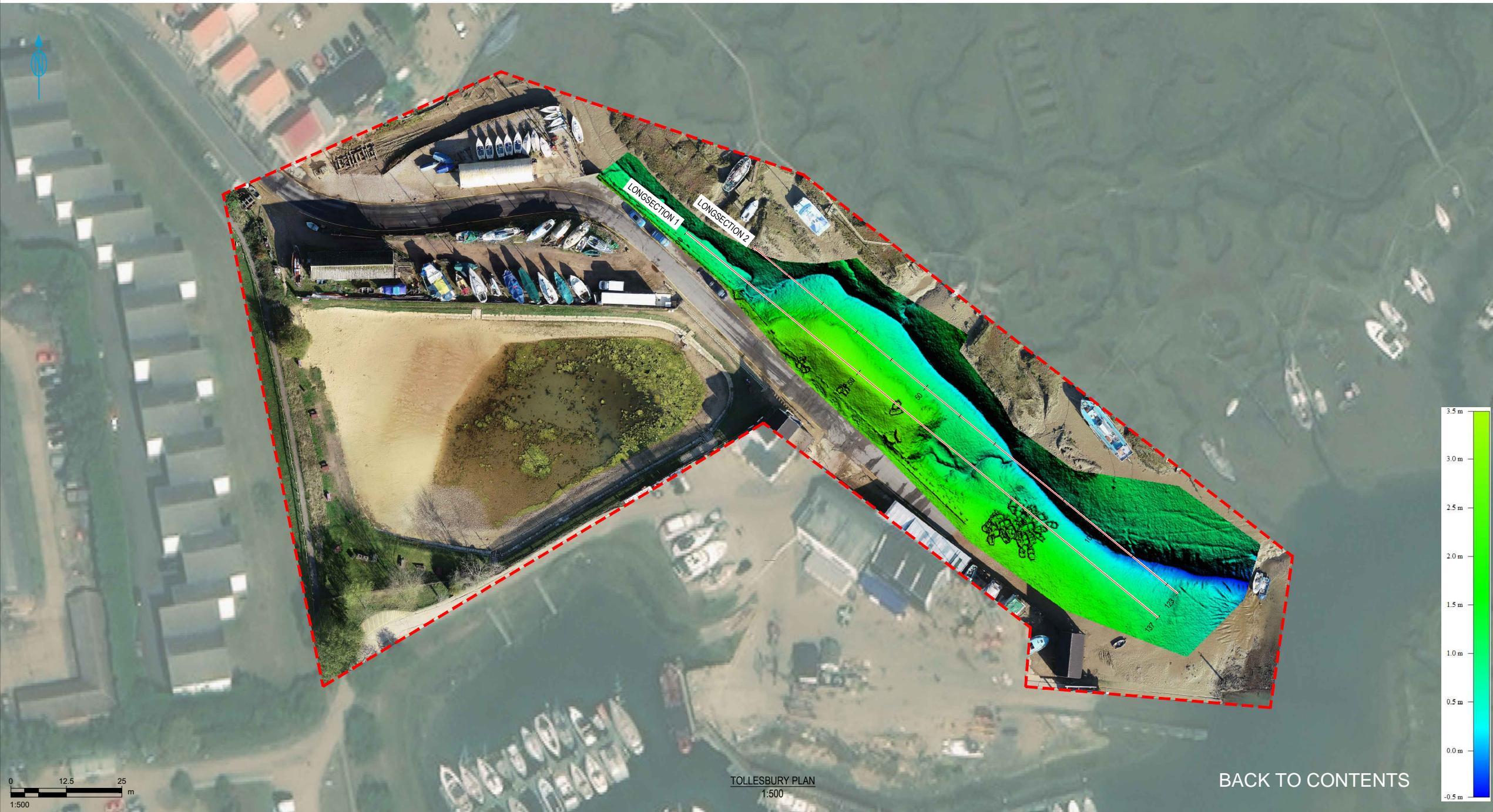




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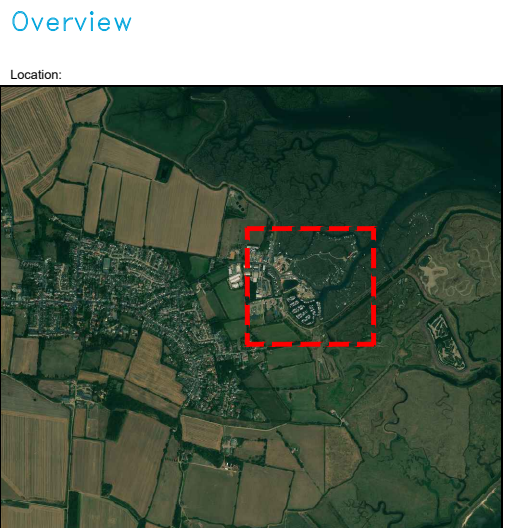


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P1	INITIAL ISSUE	MO	DT	GN	21-10-2020
Rev.	Amendment	Drm.	Chkd.	Appd.	Date

Project

TOLLESBURY

Drawing

CREEK LONG SECTIONS

Client

**TOLLESBURY
PARISH
COUNCIL**

**GN Surveys**

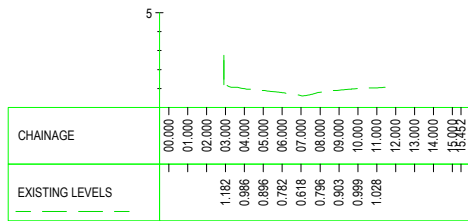
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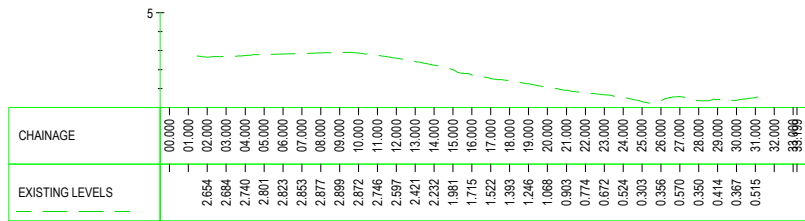
Creak Sections





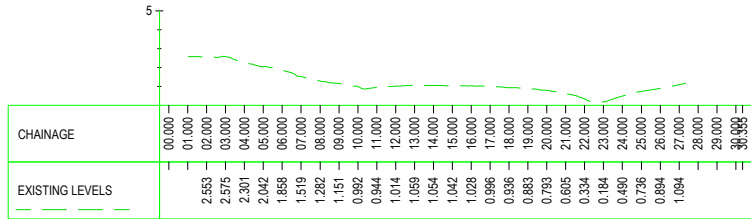
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C1 CROSS SECTION
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C2 CROSS SECTION
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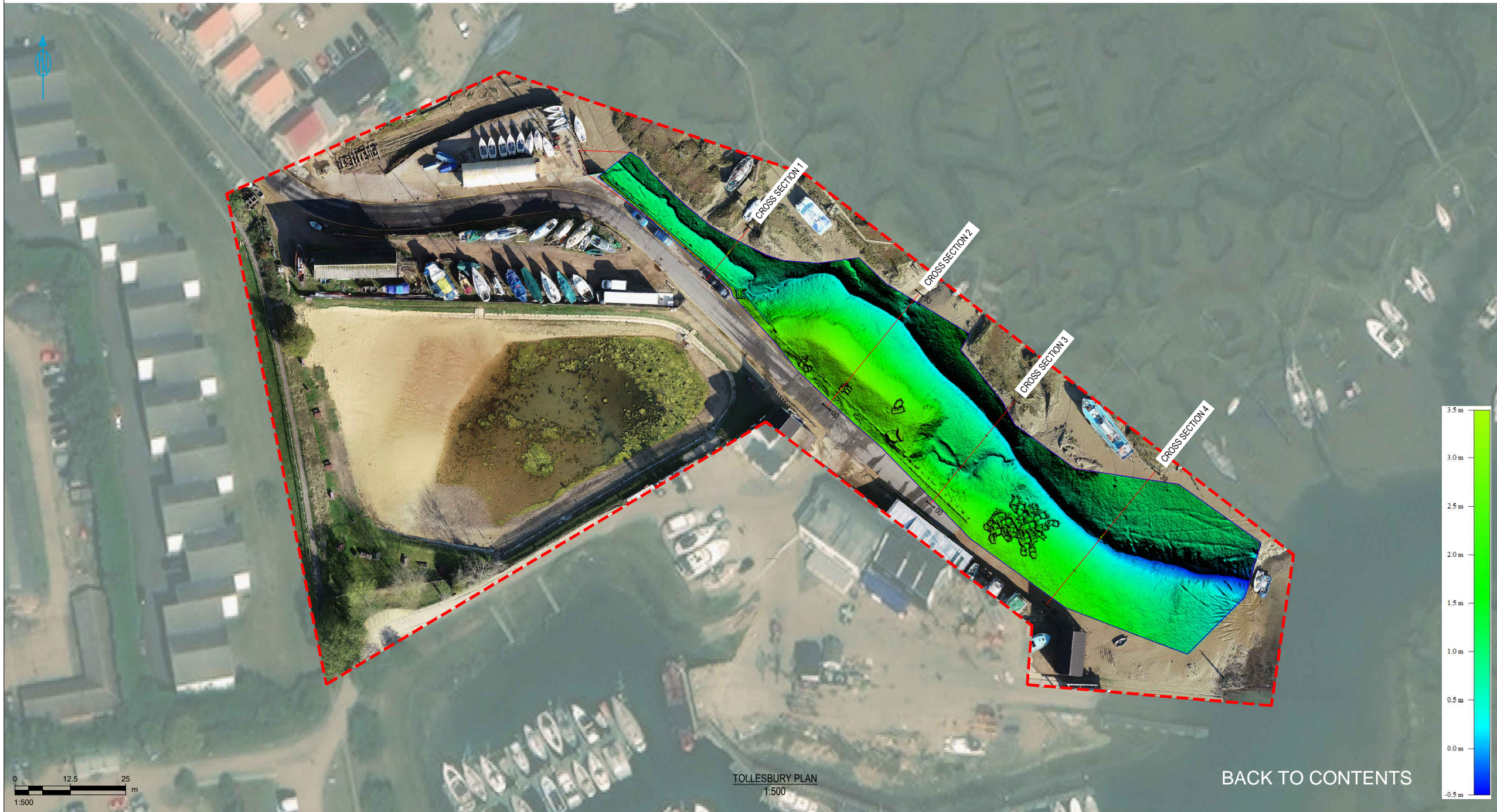
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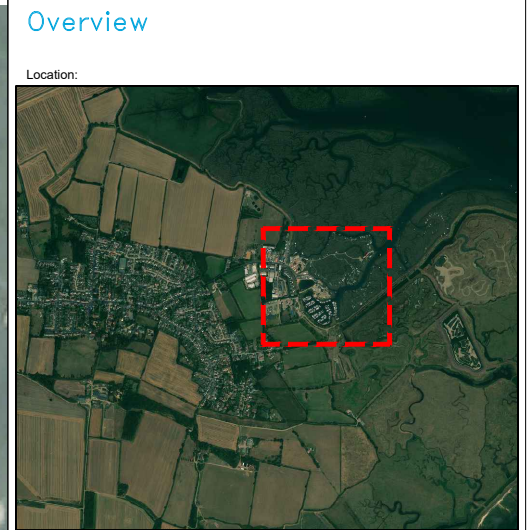


TOLLESBURY PLAN
1:500

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TOLLESBURY					
Drawing					
CREEK CROSS SECTIONS					
Client					
GN Surveys					
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Scale at A1 - 1:100			Status: ISSUED		
Project / Drawing No. 1059_10_TCC_004					Rev. P1

Pond Sections



Survey Report



Revision History

Issue	Author	Date	Description
Rev1.0	Gary Nel	13 October 2020	Initial issue

Technical Check

Role	Name	Signature	Date
Data Manager	Mat Oakman	MO	13 October 2020

Approval

Role	Name	Signature	Date



Prepared for:

Tollesbury Parish Council

Prepared by:

GN Surveys Ltd

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1 Introduction

The objective is to deliver an accurate aerial survey at Tollesbury.
This survey is to provide aerial image, levels, and a few sections.

2 Survey Requirements

2.1 Scope of Works

- An accurate aerial image of the site
- DSM delivery directly from photogrammetry for the entire site
- 2 long sections and 4 cross sections in the creek
- on-site verification of data
- Google overlay
- Animated fly-through of the site in 3D

2.2 Programme

The survey was completed on 09/10/2020

3 Personnel and Equipment

3.1 Survey Equipment Used

- Spectra GPS Rover (serial number 3498235)
- DJI Mavic2 Pro

3.2 Survey Software Used

- Pix4D
- Global Mapper
- LSS
- TBC

3.3 Staff Employed

- Dominic Talbot, Project Manager
- Patrick Romijn, Senior Surveyor
- Gary Nel, Data processing
- James Pullen, UAV pilot

3.4 Difficulties Encountered

N/A

4 Survey Control

4.1 Permanent GCPs installed

No permanent GCPs were installed, only temporary points were taken

5 Methodology

8nr Ground Control Points (GCPs) were installed evenly spread over the entire site. A further 111nr GPS points were taken at random locations throughout the site. This was followed by a multirotor UAV flight capturing 94 images, flying at an altitude of 80m with a GSD of sub 2cm.

All data was checked by the on-site team before departure. Data was then delivered back to the office for processing and quality checks.

6 Quality checks

6.1 GPS Quality

The GPS quality checks were set to sub 20mm 3DQ for the purpose of all GCPs and check points. There were no satellite obstructions, and the connection was good at all times.

6.2 Photogrammetry

At the altitude we flew, we captured sub 2cm pixel images with satisfying tie-in results relating to GCPs. GCP errors from the photogrammetry report was maximum 29mm, average 2mm and RMS error of 15mm.

Appendix A – Location Plan



Appendix B - GPS QA Checks

wall16	596794.7	210572.4	-0.133		<u>RICS Guide</u>	<u>GPS points</u>	<u>Largest error</u>	<u>Pass/Fail</u>	<u>Guide</u>	<u>Notes</u>
wall24	596801.2	210567.2	-0.124		Total	111				GCP's and Checks
wall18	596796.9	210570.6	-0.097		1 Sigma	75	0.041	Pass	0.05	68% of GPS readings
pool 2	596794.1	210560.3	-0.048		2 Sigma	105	0.085	Pass	0.1	95% of GPS readings
wall8	596773.8	210590.6	-0.041		3 Sigma	111	-0.133	Pass	0.15	99.7% of GPS readings
pool 3	596799.4	210555.1	-0.04							
road 30	596801.2	210567.1	-0.032		<u>RICS Guide</u>	<u>Z -Guide</u>	<u>GPS points</u>	<u>Target</u>	<u>Pass/Fail</u>	<u>Notes</u>
wall19	596799.1	210569.3	-0.031		Total		111			GCP's and Checks
wall2	596762.3	210594.1	-0.026		1 Sigma	0.05	88	75	Pass	68% of GPS readings
wall4	596768.2	210595.2	-0.021		2 Sigma	0.1	109	105	Pass	95% of GPS readings
road 31	596804.2	210563.5	-0.019		3 Sigma	0.15	111	111	Pass	99.7% of GPS readings
cross3	596790.9	210559.1	-0.012							
pool 34	596701	210565.3	-0.01		Average	0.019				
wall1	596762.2	210594.4	-0.01		Highest	0.098				
pool 11	596790.6	210559.1	-0.009		Lowest	-0.133				
pool 10	596787.3	210564.3	-0.008							
pool 12	596797.8	210552.3	-0.008		Notes:					
pool 6	596806.8	210547.8	-0.008		Positive level differences are where the model is above checks (should never be the case)					
road 25	596774.5	210589.7	-0.007		Negative level differences are where the model is below checks (vegetation could have an effect)					
pool 1	596788.1	210566.3	-0.005		1 Sigma for x,y is +-50mm and for z is +-50mm					
pool 31	596713.9	210551.9	-0.005		2 Sigma for x,y is +-100mm and for z is +-100mm					
pool 4	596799.4	210555	-0.005		3 Sigma for x,y is +-150mm and for z is +-150mm					
road 13	596798.2	210557.4	-0.005							
cross4	596716.9	210512.5	-0.004							
cross5	596705.5	210566	-0.003							
wall21	596799	210567.4	-0.003							
wall22	596799.3	210567.7	-0.003							
road 27	596794.7	210572.2	-0.002							
wall10	596778.7	210586.3	-0.001							
road 16	596792.6	210570.1	-0.001							
wall11	596784.8	210581.5	0							
road 15	596790	210565.6	0.001							
road 18	596779.7	210576	0.001							
pool 32	596709.8	210539.1	0.003							
wall17	596797	210570.9	0.003							
wall20	596798.8	210569.1	0.003							
pool 5	596804.4	210550.1	0.005							

Document **links**

LINKS

All links below are correct at time of document issue. Links refer to locations on ONEDRIVE with restricted access via this document to allow the sharing of information between multiple people/disciplines upon approval. Please be logged in to ONEDRIVE for the links to work.

- [LINK](#) DRAWINGS IN DWG FORMAT
- [LINK](#) DRAWINGS IN FULL SIZE A1 PDF FORMAT
- [LINK](#) KMZ IMAGE OF SITE
- [LINK](#) VIDEO FLYTHROUGH
- [LINK](#) RAW LAS POINT CLOUD



Speeding incident 21st September 2020 – Tollesbury Fleet and Woodrolfe Creek.

After sailing in my boat to the Nass Beacon I returned to my home berth in Tollesbury around high water 16.00. I entered Woodrolfe Creek at approximately 16.15 and upon looking astern I viewed a jet ski in Tollesbury Fleet travelling at around 35 – 40knots. The speed limit in the Fleet is 8knots. As I progressed further down Woodrolfe Creek towards my berth the same jet ski passed by at approx. 15 – 20knots, creating a substantial wash. Close by there was a woman on a paddle board with a small child sitting forward on the board. Both were wearing appropriate life jackets.

Such was the wash from the jet ski that the occupants of the paddle board were almost tipped into the water. Fortunately the woman appeared to be an experienced paddle boarder and was able to balance the board without incident but it was a close call. The speed limit in Woodrolfe Creek is 4knots.

A number of people on the FACT lightship remonstrated with the jet skier to no effect. A sailor standing in his day boat took some photos using his I phone.

This gross infringement of the speed limit and principles of safe navigation clearly places other water users, including swimmers, at risk. Not all paddle boarders, canoeists etc. are sufficiently experienced to resist without incident the wash from speeding jet ski's. On the day in question there was almost no wind and the water in Woodrolfe Creek was virtually flat calm, an ideal day for beginners to learn the skills of paddle boarding in complete safety. This was severely compromised by the appalling behaviour of the jet skier.

It is unknown precisely from where the jet ski was launched and recovered. It was either Woodrolfe public Hard or the slipway in Tollesbury marina.

Clearly such irresponsible use of the water space must be prevented.

Roger Lankester
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Tel: 01621 869850.

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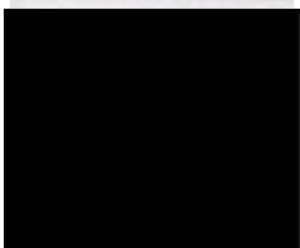
12th April 2020

Dear Ms Curtis

My name is John Howett and I am Chair of Tollesbury Mudclub. At our recent AGM we discussed the need to dredge the Tollesbury approach channel. As you are probably aware, there was a move in the last few years to do a study of the approach channel to Tollesbury with a view to applying for it to be dredged. Things seem to have gone quiet on this front and the channel, particularly as one approaches the green starboard hand buoys at Shinglehead Point, has become quite shallow. This will obviously impact the approach especially before high water if a boat needs to get in early for safety reasons.

The purpose of this letter is to ask the Parish Council what they might have planned for the dredging of the channel and any future maintenance of the waterways into Tollesbury.

Yours sincerely



Chair of Tollesbury Mudclub