

Brushwood fascines (laid 2 wide) above toe of bank and secured with live willow stakes

ST 09891 96718  
Tie in location downstream. Rock mattress bank protection. Secure with 2m long ground anchors following installation guide.

Rock mattress bank protection. Secure with 2m long ground anchors following installation guide.

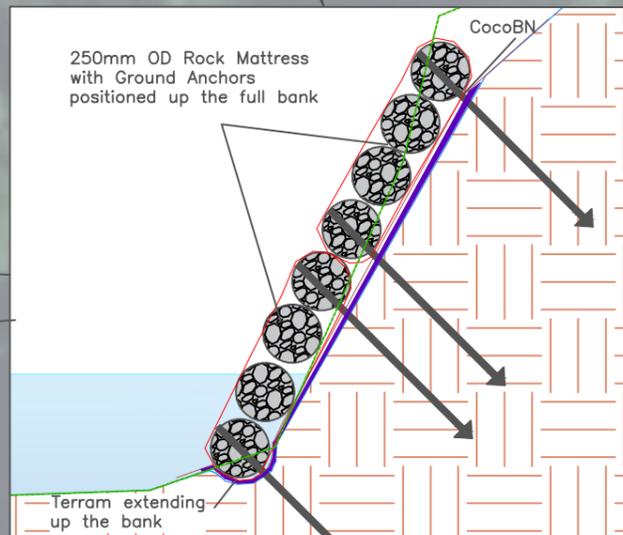
linear wood buried into bed with rootwad facing upstream. Secured with Ground Anchors

Rock mattress bank protection. Secure with 2m long ground anchors following installation guide.

ST 09843 96659  
Tie in location downstream. Rock mattress bank protection. Secure with 2m long ground anchors following installation guide.

linear wood buried into bed with rootwad facing upstream. Secured with Ground Anchors

Brushwood fascines (laid 2 wide) above toe of bank and secured with live willow stakes



SAFETY HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following risks and information.	
* Please note that risks listed here are not exhaustive.	
CONSTRUCTION	
* Working in close proximity to deep water environments.	
* Disturbing or striking existing utilities and services.	
MAINTENANCE/CLEANING	
* No unusual hazards/risks	
DECOMMISSIONING/DEMOLITION	
* No unusual hazards/risks	
It is assumed that all works will be carried out by a competent contractor working.	

LEGEND	
	Proposed rock mattress bank protection
	Brushwood Fascines
	Live willow stakes
	Large wood toe protection
	Minor contour - 0.5m
	Major contour - 0.1m
	Footpath
	Wall

Project Number 2150374

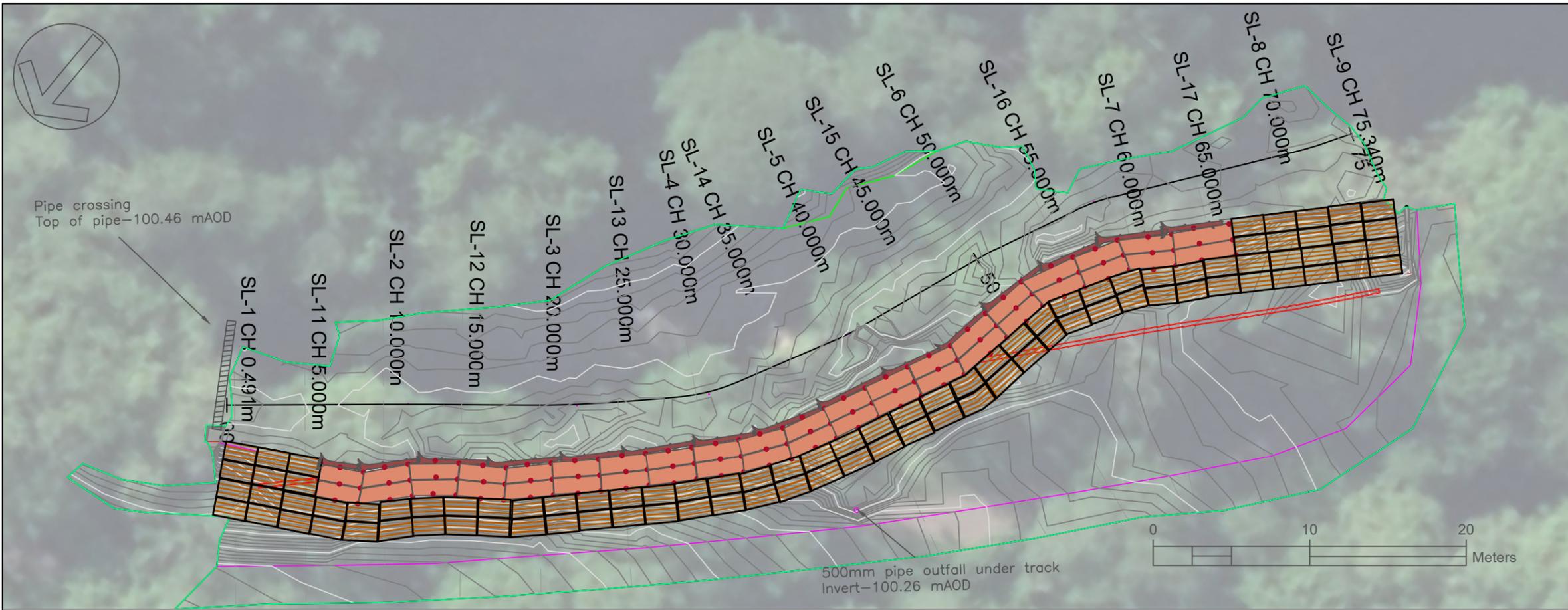
Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN PLAN VIEW**

Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023



Drawing Number  
**1**



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following risks and information.

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- \* Disturbing or striking existing utilities and services.

**MAINTENANCE/CLEANING**

- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

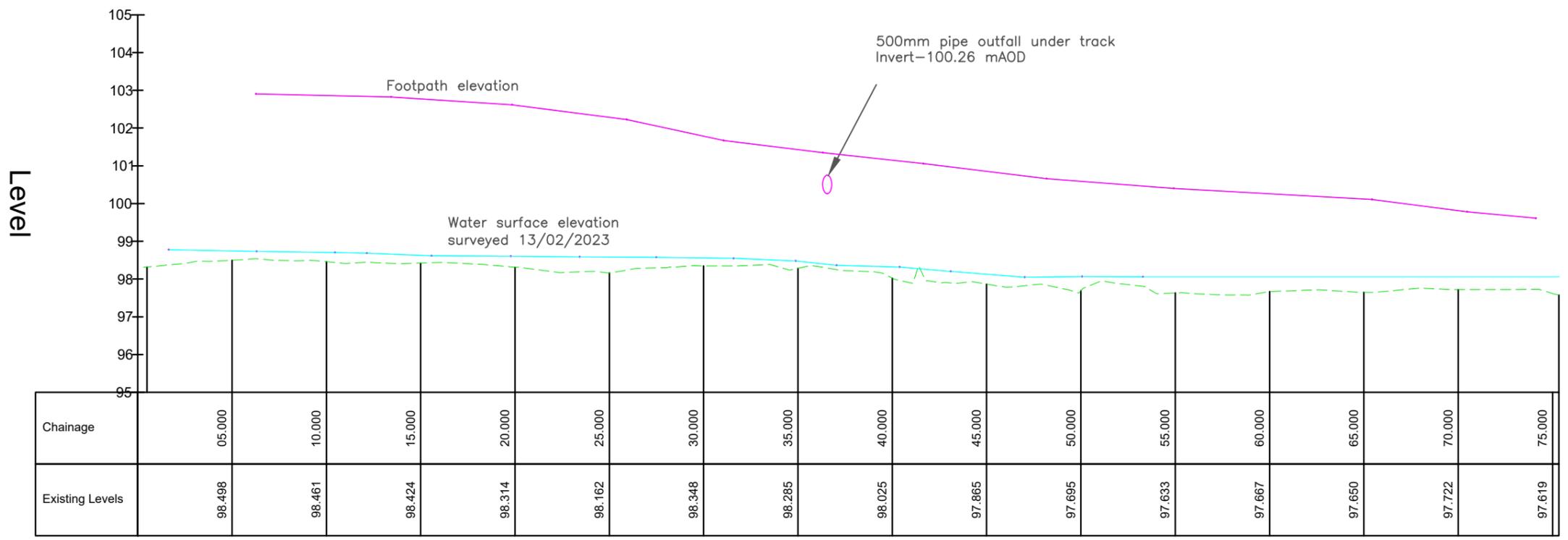
It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

	Proposed rock mattress bank protection
	Brushwood Facies
	Live willow stakes
	Large wood toe protection
	Minor contour - 0.5m
	Major contour - 0.1m
	Footpath
	Wall
	Existing ground levels
	Footpath elevation
	Water surface

## QUAKERS YARD CENTRELINE - LONGSECTION

SCALE: H 1:200, V 1:100. DATUM: 95.000



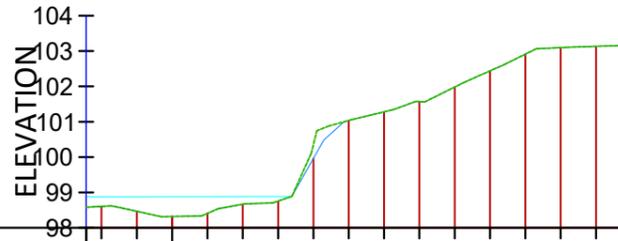
Project Number	2150374
Project Title	<b>Quakers Yard</b>
Drawing Title	<b>PROPOSED DESIGN LONG PROFILE</b>
Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
British National Grid ORD SURV GB	
Version 1	Date 13/03/2023



Drawing Number  
**2**

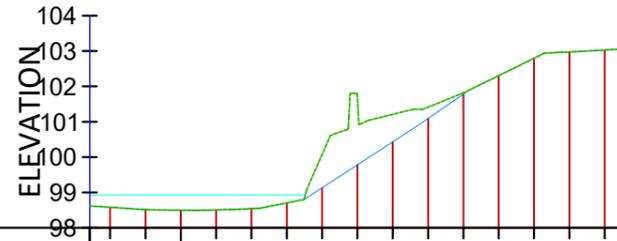


XS1 0+000.49



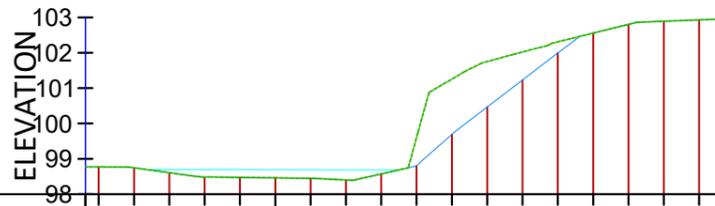
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Existing Levels	98.605	98.468	98.320	98.408	98.668	98.756	100.354	101.036	101.279	101.570	101.982	102.440	102.912	103.097	103.133
Proposed Levels	98.605	98.468	98.320	98.408	98.668	98.756	99.964	101.036	101.279	101.570	101.982	102.440	102.912	103.097	103.133
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

XS2 0+005.00



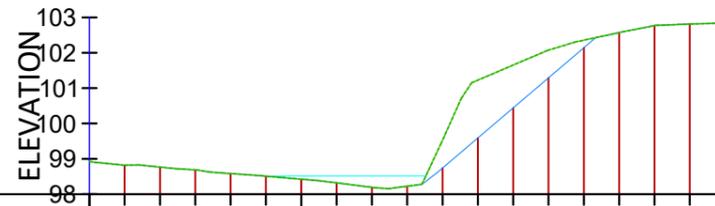
Offsets from Centreline	-2.00	-1.00	0.000	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
Existing Levels	98.580	98.515	98.498	98.507	98.541	98.702	100.073	101.667	101.209	101.413	101.817	102.303	102.797	102.975	103.030
Proposed Levels	98.580	98.515	98.498	98.507	98.541	98.702	99.130	99.781	100.431	101.093	101.780	102.303	102.797	102.975	103.030
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.943	1.886	0.778	0.320	0.037	0.000	0.000	0.000	0.000

XS3 0+010.00



Offsets from Centreline	-5.00	-4.00	-3.00	-2.00	-1.00	0.000	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
Existing Levels	98.772	98.745	98.608	98.484	98.475	98.461	98.448	98.401	98.573	99.605	101.256	101.750	102.023	102.311	102.557	102.803	102.891	102.930
Proposed Levels	98.772	98.745	98.608	98.484	98.475	98.461	98.448	98.401	98.573	98.928	99.700	100.465	101.230	101.994	102.557	102.803	102.891	102.930
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.677	1.556	1.285	0.792	0.316	0.000	0.000	0.000	0.000

XS4 0+015.00



Offsets from Centreline	-5.00	-4.00	-3.00	-2.00	-1.00	0.000	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
Existing Levels	98.822	98.767	98.689	98.583	98.510	98.424	98.321	98.193	98.225	98.526	101.226	101.653	102.075	102.357	102.571	102.767	102.813	102.841
Proposed Levels	98.822	98.767	98.689	98.583	98.510	98.424	98.321	98.193	98.225	98.743	99.593	100.443	101.293	102.144	102.571	102.767	102.813	102.841
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.783	1.633	1.209	0.781	0.213	0.000	0.000	0.000	0.000

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**MAINTENANCE/CLEANING**

- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number **2150374**

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN SECTIONS 1**

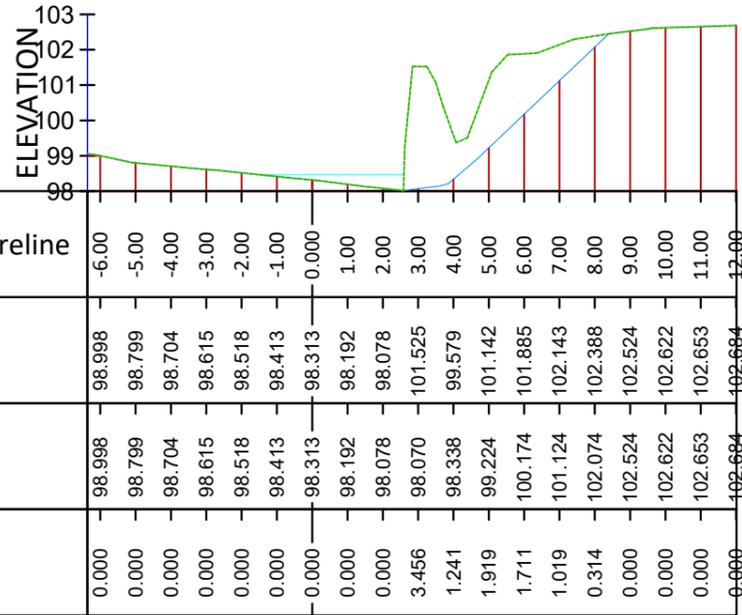
Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023
British National Grid ORD SURV GB	



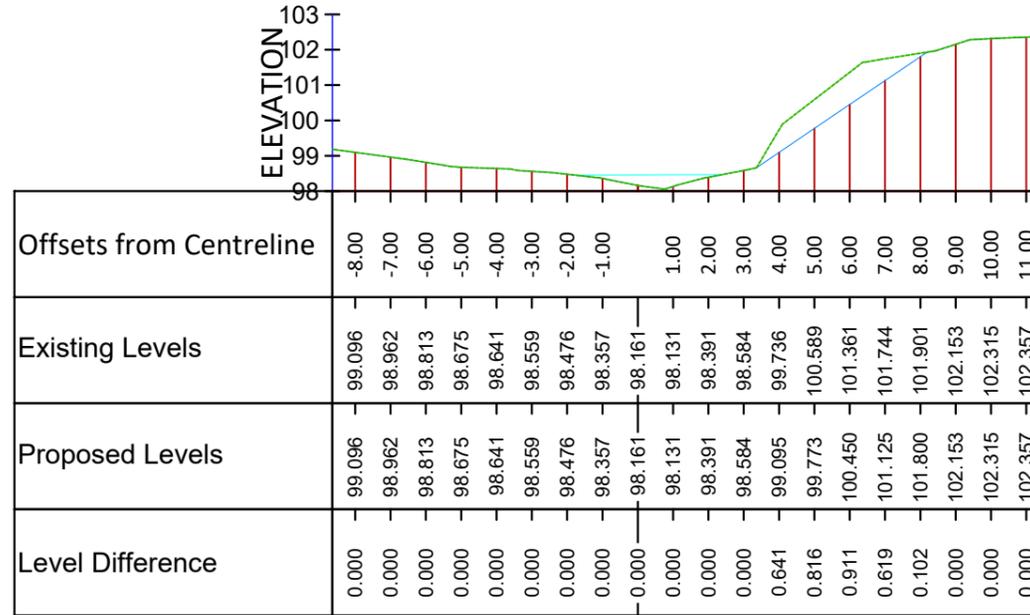
Drawing Number  
**3**



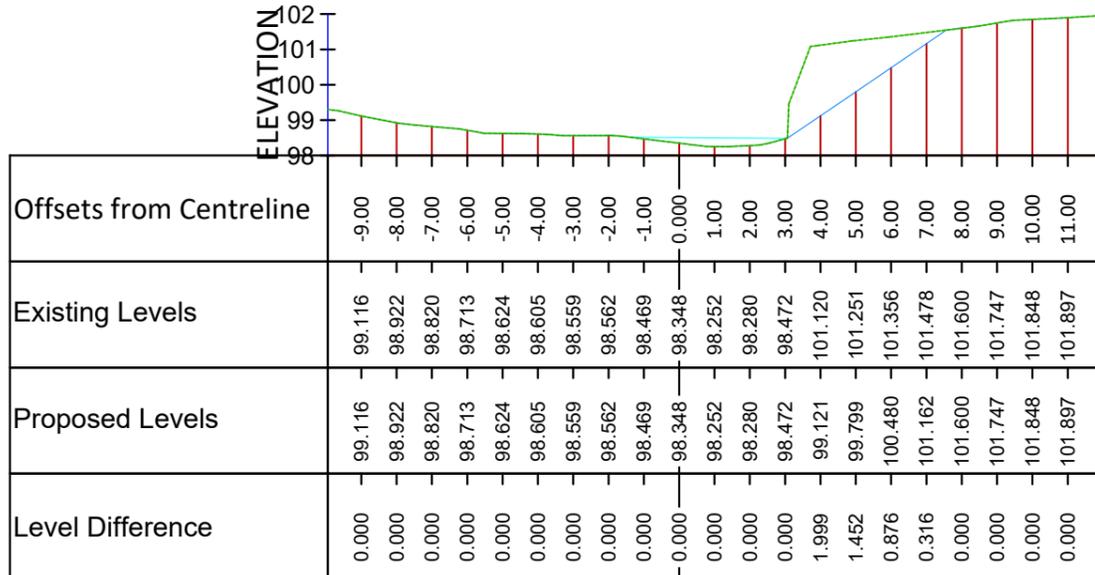
**XS5 0+020.00**



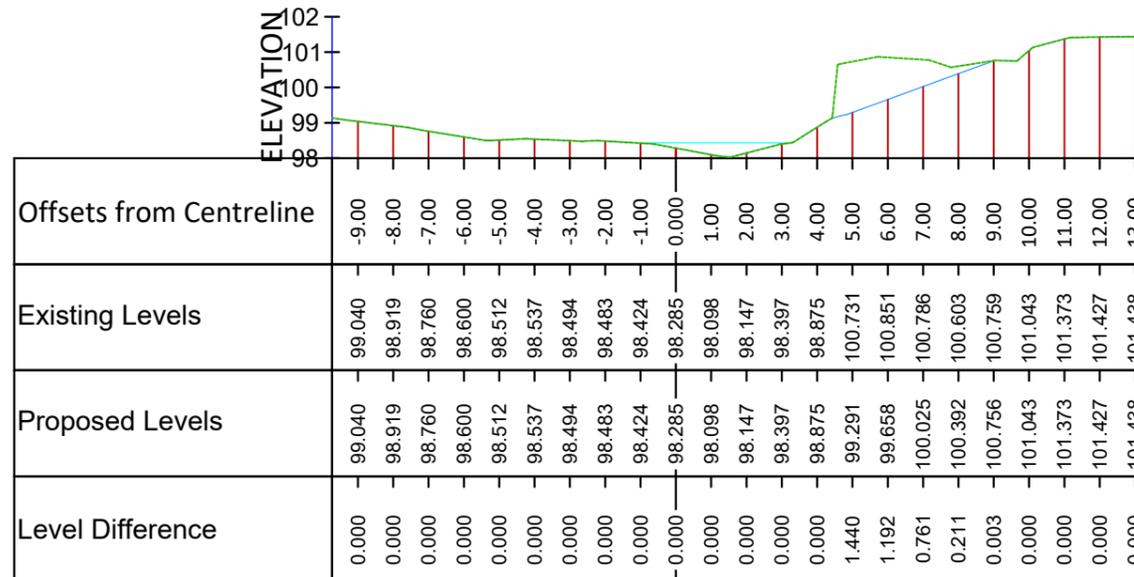
**XS6 0+025.00**



**XS7 0+030.00**



**XS8 0+035.00**



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number: 2150374

Project Title: **Quakers Yard**

Drawing Title: **PROPOSED DESIGN SECTIONS 3**

Designed by	SM	Scale	© A3 1:300
Drawn	GF	Date	10/03/2023
Checked	DH	Date	13/03/2023
Approved	SM	Date	13/03/2023
		Version	1
		Date	13/03/2023

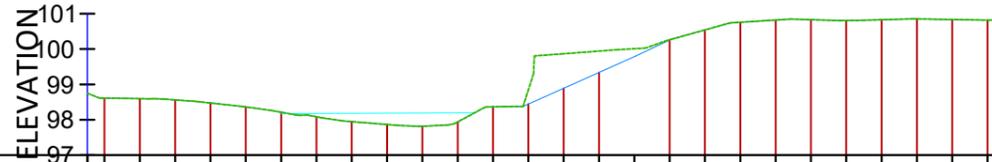
British National Grid  
ORD SURV GB



Drawing Number: **4**

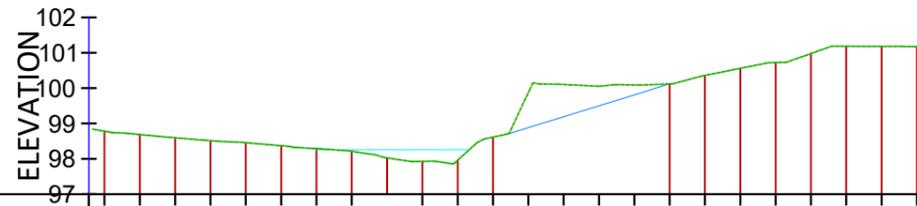


XS10 0+045.00



Offsets from Centreline	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.000	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Existing Levels	98.610	98.597	98.560	98.473	98.362	98.213	98.085	97.946	97.865	97.816	97.938	98.365	98.845	99.867	99.942	100.008	100.262	100.542	100.757	100.820	100.829	100.807	100.828	100.851	100.834	100.817
Proposed Levels	98.610	98.597	98.560	98.473	98.362	98.213	98.085	97.946	97.865	97.816	97.938	98.365	98.442	98.889	99.336	99.783	100.254	100.542	100.757	100.820	100.829	100.807	100.828	100.851	100.834	100.817
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.402	0.977	0.606	0.226	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

XS9 0+040.00



Offsets from Centreline	-8.00	-7.00	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.000	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	
Existing Levels	98.781	98.687	98.596	98.513	98.456	98.370	98.288	98.214	98.024	97.929	97.961	98.615	99.875	100.103	100.053	100.089	100.118	100.360	100.560	100.722	100.979	101.185	101.182	101.172	
Proposed Levels	98.781	98.687	98.596	98.513	98.456	98.370	98.288	98.214	98.024	97.929	97.961	98.615	98.881	99.191	99.500	99.809	100.118	100.360	100.560	100.722	100.979	101.185	101.182	101.172	
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.994	0.912	0.553	0.280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**MAINTENANCE/CLEANING**

- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN SECTIONS 6**

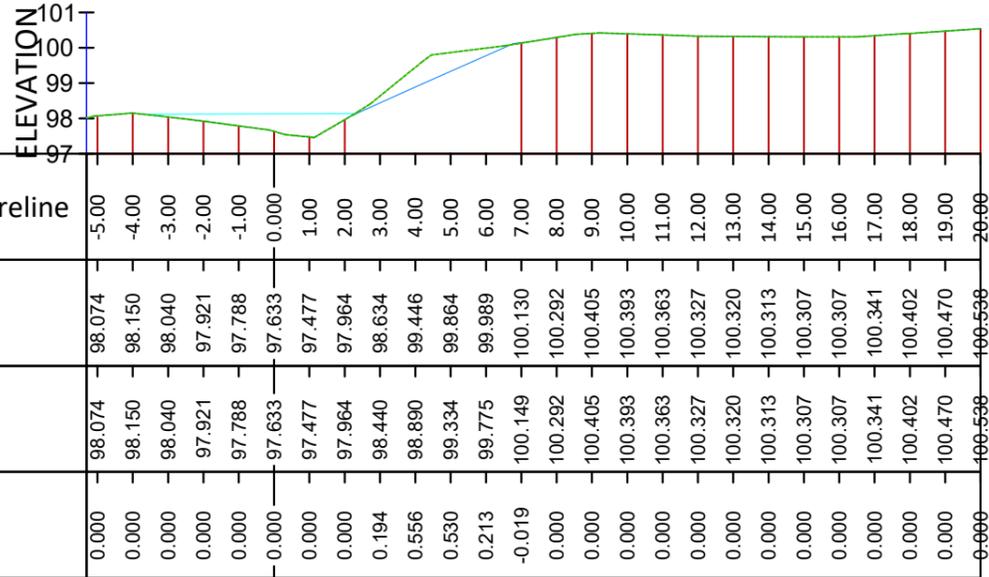
Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023
British National Grid ORD SURV GB	



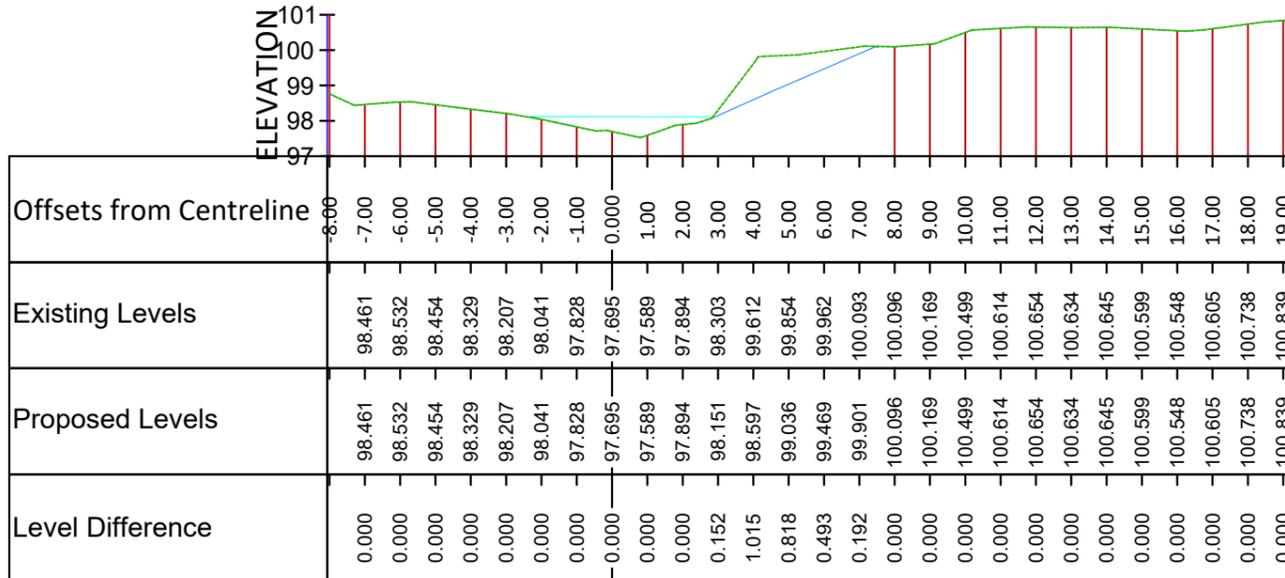
Drawing Number  
**5**



XS12 0+055.00



XS11 0+050.00



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

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**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN SECTIONS 7**

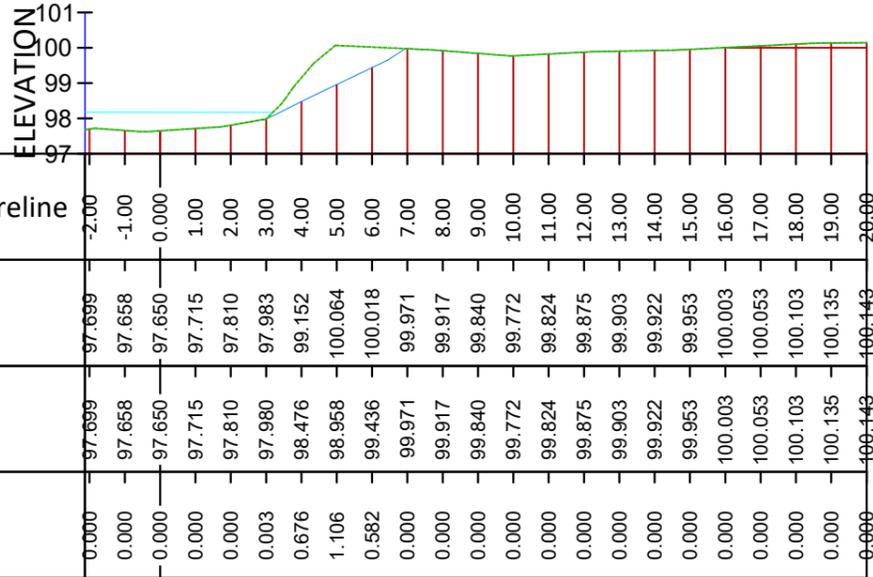
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Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023
British National Grid ORD SURV GB	



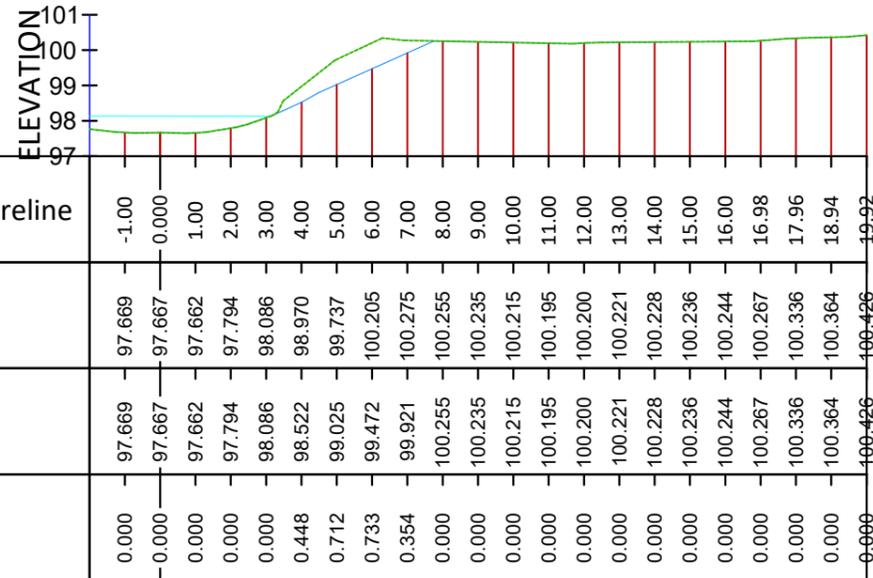
Drawing Number  
**6**



XS14 0+065.00



XS13 0+060.00



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**MAINTENANCE/CLEANING**

- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN SECTIONS 8**

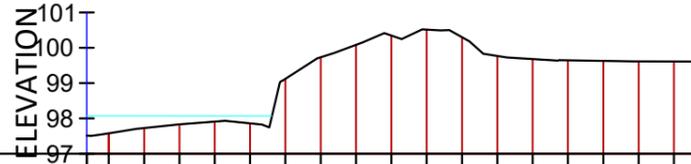
Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023



Drawing Number  
**7**

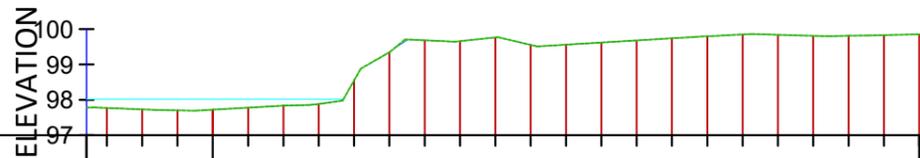


XS16 0+075.34



Offsets from Centreline	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00
Existing Levels	97.580	97.728	97.835	97.910	97.861	99.120	99.729	100.081	100.344	100.513	100.297	99.766	99.679	99.645	99.628	99.613	99.610
Proposed Levels	97.580	97.728	97.835	97.910	97.861	99.120	99.729	100.081	100.344	100.513	100.297	99.766	99.679	99.645	99.628	99.613	99.610
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

XS15 0+070.00



Offsets from Centreline	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00
Existing Levels	97.771	97.731	97.703	97.722	97.779	97.837	97.882	98.547	99.344	99.683	99.659	99.766	99.554	99.561	99.621	99.680	99.740	99.798	99.850	99.841	99.812	99.813	99.831	99.854
Proposed Levels	97.771	97.731	97.703	97.722	97.779	97.837	97.882	98.547	99.344	99.683	99.659	99.766	99.554	99.561	99.621	99.680	99.740	99.798	99.850	99.841	99.812	99.813	99.831	99.854
Level Difference	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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- \* No unusual hazards/risks

**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN SECTIONS 9**

Designed by SM	Scale @ A3 1:300
Drawn GF	Date 10/03/2023
Checked DH	Date 13/03/2023
Approved SM	Date 13/03/2023
Version 1	Date 13/03/2023
British National Grid ORD SURV GB	



Drawing Number  
**8**



250mm OD Rock Mattress with Ground Anchors positioned up the full bank

CocoBN

Terram extending up the bank

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**MAINTENANCE/CLEANING**

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**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface

Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN  
INDICATIVE SECTION 1**

Designed by SM	Scale @ A3 1:300
Drawn GF Date 10/03/2023	British National Grid ORD SURV GB
Checked DH Date 13/03/2023	
Approved SM Date 13/03/2023	Version 1 Date 13/03/2023



Drawing Number  
**9**



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

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**MAINTENANCE/CLEANING**

- \* No unusual hazards/risks

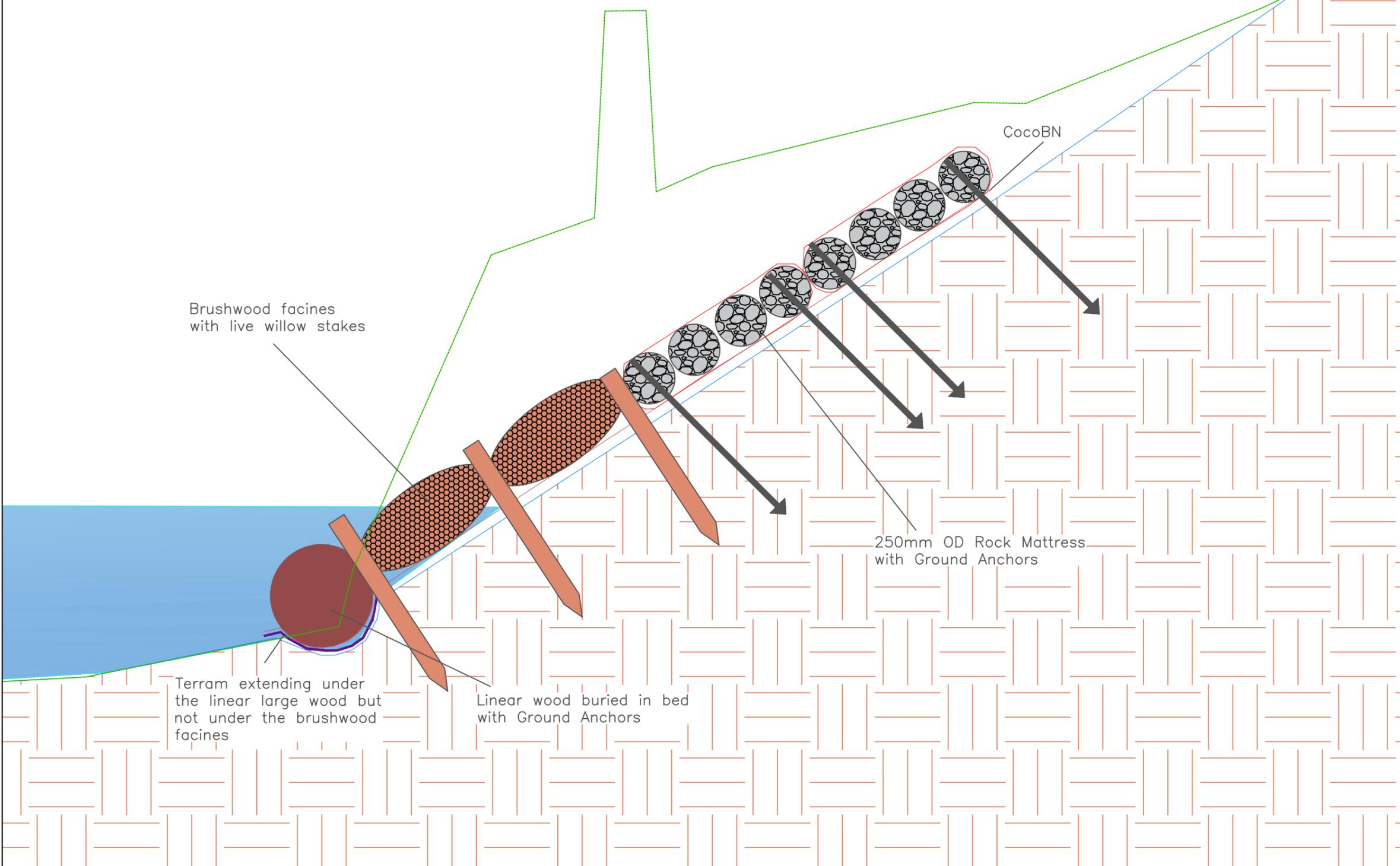
**DECOMMISSIONING/DEMOLITION**

- \* No unusual hazards/risks

It is assumed that all works will be carried out by a competent contractor working.

**LEGEND**

- Existing ground levels
- Proposed design levels
- Water surface



Project Number 2150374

Project Title  
**Quakers Yard**

Drawing Title  
**PROPOSED DESIGN  
INDICATIVE SECTION 2**

Designed by SM		Scale @ A3 1:300	
Drawn GF	Date 10/03/2023	British National Grid ORD SURV GB	
Checked DH	Date 13/03/2023		
Approved SM	Date 13/03/2023	Version 1	Date 13/03/2023



Drawing Number  
**10**