

Isles of Scilly Sea Defences Environmental Statement

Volume 2: Appendices

Final Report

July 2019

www.jbaconsulting.com



Council of the
ISLES OF SCILLY



JBA Project Manager

David Revill
 JBA Consulting
 Kings Chambers
 8 High Street
 Newport
 NP20 1FQ

Revision history

Revision Ref/Date	Amendments	Issued to
v1-0 / 24 May 2019	Draft Report	CIoS
v1-1 / 24 July 2019	Final Report	CIoS

Contract

This report describes work commissioned by The Council of the Isles of Scilly. Ben Sullivan, David Revill and Mark Cope of JBA Consulting carried out this work.

Prepared by Ben Sullivan MSci GradIEMA
 Environmental Consultant

Prepared by David Revill BSc MSc MIES CEnv
 Principal Environmental Consultant

Reviewed by Mark Cope BSc MSc FGS MIEMA CEnv REIA
 Principal Environmental Consultant

Purpose

This document has been prepared as a Final Report for The Council of the Isles of Scilly. JBA Consulting accepts no responsibility or liability for any use that is made of this document other than by the Client for the purposes for which it was originally commissioned and prepared.

JBA Consulting has no liability regarding the use of this report except to The Council of the Isles of Scilly.

Copyright

© Jeremy Benn Associates Limited 2018.

Carbon footprint

A printed copy of the main text in this document will result in a carbon footprint of 1031g if 100% post-consumer recycled paper is used and 1312g if primary-source paper is used. These figures assume the report is printed in black and white on A4 paper and in duplex.

JBA is aiming to reduce its per capita carbon emissions.

EIA Quality Mark

This Environmental Statement, and the Environmental Impact Assessment (EIA) carried out to identify the significant environmental effects of the proposed development, was undertaken in line with the EIA Quality Mark Commitments.

The EIA Quality Mark is a voluntary scheme, operated by IEMA, through which EIA activity is independently reviewed, on an annual basis, to ensure it delivers excellence in the following areas:

- *EIA Management*
- *EIA Team Capabilities*
- *EIA Regulatory Compliance*
- *EIA Context & Influence*
- *EIA Content*
- *EIA Presentation*
- *Improving EIA practice*



To find out more about the EIA Quality Mark please visit: <http://www.iema.net/eia-quality-mark/>

Contents

A	Drawings	5
B	EIA Screening and Scoping Request	6
C	EIA Screening and Scoping Opinion	7
D	Outline Construction Method Statements	8
E	Trial Pit Logs	9
F	Extended Phase I Habitat Maps and Habitat Regulations Screening Assessment	10
G	Landscape Viewpoints and Visualisations	11
H	Heritage Constraints Plans	12
I	Outline Construction Environmental Management Plan (CEMP)	13

A Drawings

NOTES:

- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO ORDINANCE DATUM.
- FOR MORE INFORMATION REFER TO THE PROJECT INFORMATION SHEET AND THE INFORMATION RELATIVE TO O&L.
- FOR GRASS SEEDING, SEE WORKS INFORMATION.
- BEACH LEVELS RECORDED IN FEBRUARY 2017.

LEGEND:

Rev	Date	Description	By	UIC	CS
1					
2					
3					
4					
5					
6					

Client
COUNCIL OF THE ISLES OF SCILLY



PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

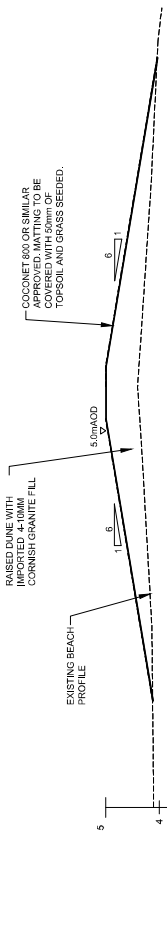
Client
 Council of the Isles of Scilly
 Address:
 St Marys, Isles of Scilly, T292 8LW
 44 (0)1752 689 000
 44 (0)1752 689 000
 44 (0)1752 689 000
 http://www.scilly.gov.uk

ARCADIS
 Regional office:
 Arcadis House
 31 York Way
 Crowhill, St Leonards
 NT 8 9J
 18 44 (0)1632 689 000
 www.arcadis.com

TITLE
PORTH HELLOCK SECTIONS H AND J

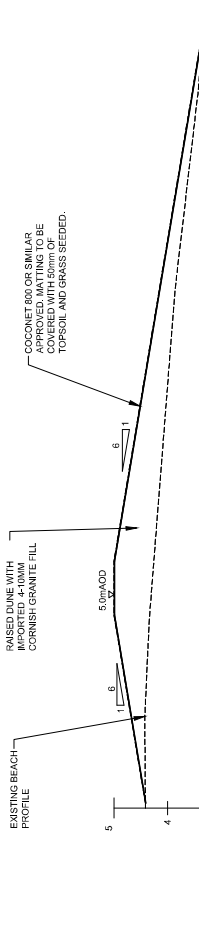
Designed	M. CAUSER	Drawn	J. WILKINS	Checked	M. CAUSER	Approved	L. OGDON	Scale	1:50	Datum	NEWLYN	Original Size	A1	Grid	OS	Project Number	UW00887
Subsidiary Description	ISSUED FOR INFORMATION																

Drawing Number: **UA00887-ARC-XX-DR-CE-0524**
 Reason: **P1**



CHANGING	14.945	14.000	12.000	10.000	8.000	6.000	4.000	2.000	0.000
EXISTING LEVELS	3.951	4.038	4.132	4.260	4.394	4.485	4.711	4.123	4.102
PROPOSED LEVELS	4.040	4.038	4.132	4.260	4.394	4.485	4.711	4.123	4.102

SECTION H
 1:50



CHANGING	15.165	14.000	12.000	10.000	8.000	6.000	4.000	2.000	0.000
EXISTING LEVELS	3.278	3.378	3.591	3.823	3.991	4.148	4.411	4.731	4.413
PROPOSED LEVELS	3.435	3.378	3.591	3.823	3.991	4.148	4.411	4.731	4.413

SECTION J
 1:50



NOTES:

- DO NOT SCALE FROM THIS DRAWING UNLESS FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
- SEE THE DRAWING FOR ALL THE NECESSARY TECHNICAL INFORMATION RELATIVE TO O&L.
- MINUS 2.79m
- MINUS 2.39m
- MINUS 2.21m
- FOR GRASS SEED MIX, SEE WORKS INFORMATION
- BEACH LEVELS RECORDED IN FEBRUARY 2017.

LEGEND:

Ref	Date	Description	By	Checked	Author
1					
2					
3					
4					
5					
6					

Client
COUNCIL OF THE ISLES OF SCILLY



PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site

Isles of Scilly
Porth Hellick
Council of the Isles of Scilly
Address:
St Marys, Isles of Scilly, T22 2LW
t: +44 (0)1752 88000
f: +44 (0)1752 88000
http://www.scilly.gov.uk

Client

Coordinating office:
Arcadis House
31 York Way
London, N1 8AB
Tel: +44 (0)7532 889 000
www.arcadis.com



Coordinating office:
Arcadis House
31 York Way
London, N1 8AB
Tel: +44 (0)7532 889 000
www.arcadis.com

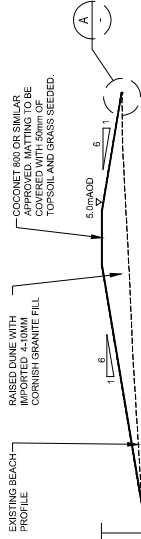
TITLE

PORTH HELLICK
SECTIONS E AND G

Designed	M. CASSETT	Date	20/02/19
Drawn	J. WATSON	Date	20/02/19
Checked	M. DUNN	Date	20/02/19
Approved	L. OGDON	Date	20/02/19
Scale	1:50	Datum	NEVLYN
Original Size	A1	Grid	OS
Submission Code	SP	Project Number	UA008878
Submission Description			UA008878

ISSUED FOR INFORMATION

Drawing Number: UA008878-ARC-XX-DR-CE-0523
Revision: P1



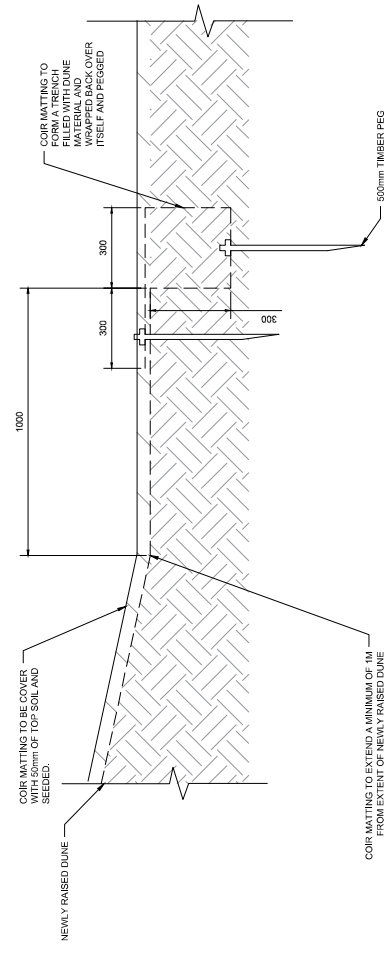
DATUM 3.000(m)	3	4	5
CHAINAGE	00.000	02.000	08.243
EXISTING LEVELS	4.210	4.333	4.541
PROPOSED LEVELS	4.498	4.830	4.829

SECTION E
1:50



DATUM 3.000(m)	3	4	5
CHAINAGE	00.000	04.000	11.599
EXISTING LEVELS	3.970	4.186	4.391
PROPOSED LEVELS	4.229	4.563	4.423

SECTION G
1:50



DETAIL A
1:10



NOTES:

- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM.
- SEE DRAWING FOR DIMENSIONS AND INFORMATION RELATIVE TO ODL.
- MINUS 2.30m
- MINUS 2.21m
- MINUS 2.21m
- FOR GRASS SEED MIX, SEE WORKS INFORMATION
- BEACH LEVELS RECORDED IN FEBRUARY 2017.

LEGEND:

Rev	Date	Description	Drawn	Checked	Approved
01		ISSUED FOR INFORMATION			
02		FOR PERMIT DRAWINGS & NOTIFICATIONS	JW	MG	EC
03		FOR PERMIT DRAWINGS & NOTIFICATIONS	EB	MG	EC
04		FOR PERMIT DRAWINGS & NOTIFICATIONS	EB	MG	EC

Client
 COUNCIL OF THE ISLES OF SCILLY
 PROJECT: ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

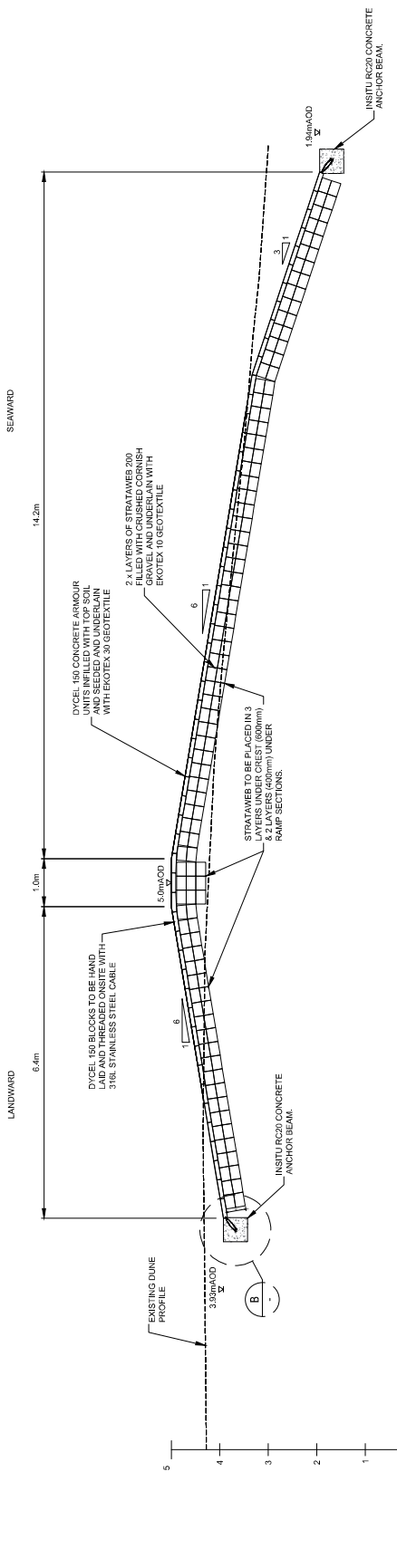
Silo
 Council of the Isles of Scilly
 Porth Hellick
 St Marys, Isles of Scilly, TR21 8LW
 Tel: (01752) 889 000
 Fax: (01752) 889 005
 http://www.scilly.gov.uk

ARCADIS
 Consulting office:
 Arcadis House
 31 York Way
 Camden, London, NW1 8AB
 Tel: +44 (0)20 7325 8800
 www.arcadis.com

TITLE
 PORT HELLICK
 SECTIONS D
 AND RAMP DETAILS

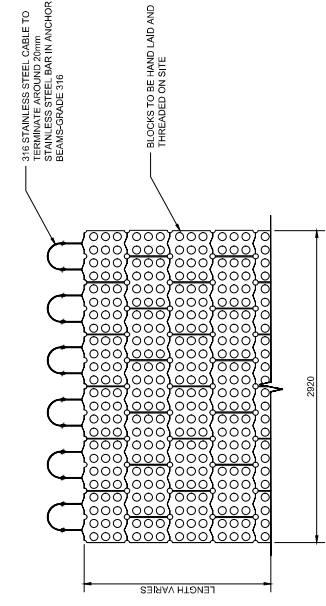
Designed	Checked	Approved	Scale	Original Size	Sheet No.	Project No.
M. DAUBER	J. WATKINS	M. DAUBER	1:50	A1	04/00019	UW00088
M. DAUBER	J. WATKINS	M. DAUBER	1:50	A1	04/00019	UW00088
M. DAUBER	J. WATKINS	M. DAUBER	1:50	A1	04/00019	UW00088
M. DAUBER	J. WATKINS	M. DAUBER	1:50	A1	04/00019	UW00088
M. DAUBER	J. WATKINS	M. DAUBER	1:50	A1	04/00019	UW00088

ISSUED FOR INFORMATION
 Drawing Number: UA008878-ARC-XX-DR-CE-0521
 Revision: P3

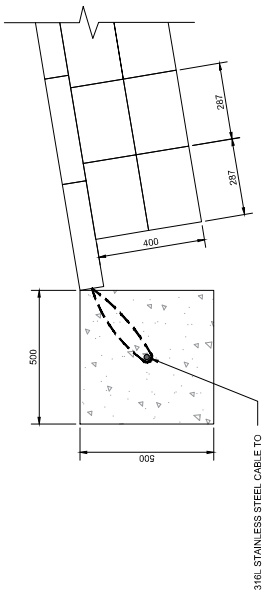


CHAINAGE	EXISTING LEVELS	PROPOSED LEVELS
0	2.000	2.000
10.000	2.000	2.000
20.000	2.000	2.000
30.000	2.000	2.000
40.000	2.000	2.000
50.000	2.000	2.000
60.000	2.000	2.000
70.000	2.000	2.000
80.000	2.000	2.000
90.000	2.000	2.000
100.000	2.000	2.000

SECTION D-D
 1:50



DETAIL C-C
 1:10



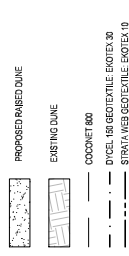
DETAIL B-B
 1:10



NOTES:

- DO NOT SCALE FROM THIS DRAWING UNLESS FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM.
- FOR ALL DIMENSIONS, SEE SPECIFICATION FOR TYPE OF INFORMATION RELATIVE TO OOD.
- MIN 4.50m
MIN 2.20m
MIN 2.21m
MIN 2.21m
- FASCICULAR BINDER TO BE PLANTED TO PROVIDE A PROTECTIVE COVER OVER THE STRATA WEB. MATS TO BE INCLUDED IN GRASSMATT PLANTING REASONS SEE SPECIFICATION FOR DETAILS.
- COCONUT MATTING SHALL BE OVERLAP WITH 50MM UP COCONUT MATTING WITH GRASS SEED. SEE SPECIFICATION FOR DETAILS.
- BEACH LEVELS RECORDED IN FEBRUARY 2017.

LEGEND:



Rev	Date	Description	Drawn	Checked	Approved
01		ISSUE FOR INFORMATION			
02		REVISED DRAWING AMENDMENTS			
03		REVISED DRAWING AMENDMENTS			
04		REVISED DRAWING AMENDMENTS			
05		REVISED DRAWING AMENDMENTS			
06		REVISED DRAWING AMENDMENTS			
07		REVISED DRAWING AMENDMENTS			
08		REVISED DRAWING AMENDMENTS			
09		REVISED DRAWING AMENDMENTS			
10		REVISED DRAWING AMENDMENTS			

Client
COUNCIL OF THE ISLES OF SCILLY

PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site
 Council of the Isles of Scilly
 Porth Helleck

Client
 Council of the Isles of Scilly
 Address:
 St Marys, Isles of Scilly, TQ21 8LW
 44 (0)1752 689 000
 18 -44 (0)1752 689 000
 http://www.scilly.gov.uk

ARCADIS

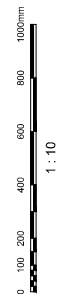
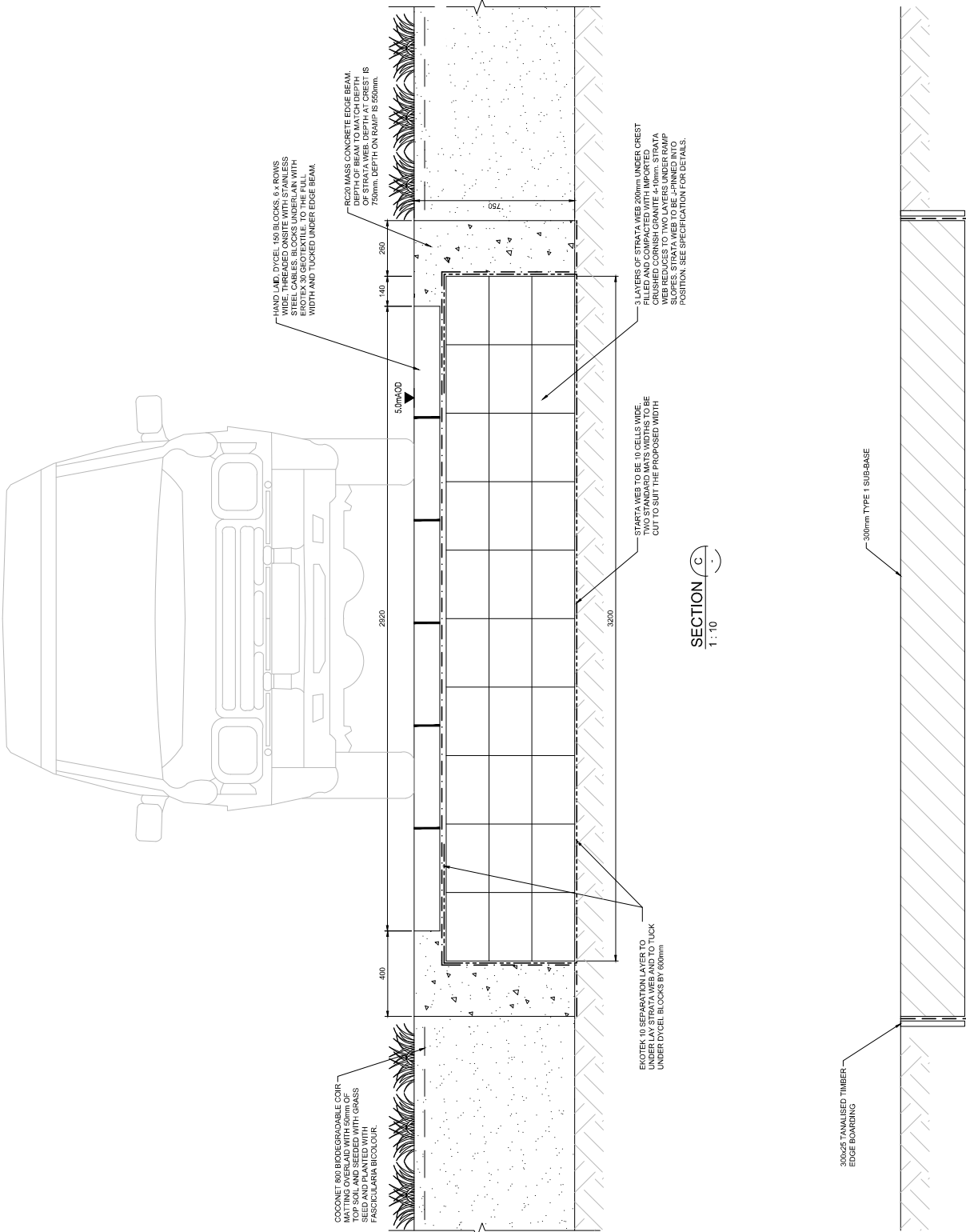
Coordinating office:
 Arcadis House
 39 York Way
 London, N1 9AG
 18 -44 (0)1752 689 000
 www.arcadis.com

TITLE
PORTH HELLECK RAMP SECTION C

ISSUED FOR INFORMATION

Designed	M. CAUSEY	1/18	25/04/19
Drawn	F. RYANISH	1/18	25/04/19
Checked	M. CAUSEY	1/18	25/04/19
Approved	L. COOKE	1/18	25/04/19
Scale:	1:10	Datum:	LOCAL
Original Size	A1	Grid:	OS
Suitability Code:	SF	Project Number:	UW00818

Revision:
 Drawing Number: UA008874-RFC-XX-DR-CE-0520
 P3



- HAZARD WARNINGS**
- A) WORKING ADJACENT TO WATER
 - B) SOFT AND UNSTABLE GROUND.
 - C) PUBLIC BEACH
 - D) SERVICES - HIGHER MOORS OUT/FALL LOCAL (OOL)
 - E) ENVIRONMENTALLY SENSITIVE DUNE DISCONTINUED AS SSSI ADJ
 - F) INVASIVE PLANT SPECIES - HOT/TENT/DTFG (CAMPANULUS SPECIES)
- FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S HAZARD RECORD.
- EVERY DAY OR LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING.
- SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED THE DESIGNER WILL NOTIFY ALL THE RELEVANT PROJECT TEAM MEMBERS.

- NOTES:**
1. DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
 2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 3. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM LOCAL (OOL).
 4. TIDE INFORMATION RELATIVE TO OODM
 5. FASCULARIA BIODOR TO BE PLANTED TO PROVIDE A CENTRE PLANTS TO BE 400mm WIDE ALONG THE CREST
 6. SETTING OUT POINTS (SOP) TO VERTICAL GRID REFERENCE
 7. BEACH LEVELS RECORDED IN FEBRUARY 2017.

- LEGEND:**
- AREA WHERE THE DUNE IS TO BE RAISED TO 5m+ OODM WITH BIODEGRADABLE COIR MATTING AND PLANTING
 - EXISTING DUNE VEGETATION
 - ACCESS TRACK
 - CONTRACTOR'S COMPOUND
 - EXISTING FASCULARIA BIODOR BUSHES
 - HIGHER MOORS & PORTH HELLOCK FOLI (ST. MARY'S SSSI) BOUNDARY
 - WORKING AREA BOUNDARY

PLANT	Code	Quantity	Notes
FASCULARIA BIODOR	FB	1000	400mm wide
GRASS	G	1000	Native grass species
COIR MATTING	CM	1000	Biodegradable

Client
COUNCIL OF THE ISLES OF SCILLY
 Council of the Isles of Scilly
 Porth-Hellick
 Isles of Scilly

PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Client
 Council of the Isles of Scilly
 Porth-Hellick
 Isles of Scilly
 St. Mary's, Isles of Scilly, T292 1LW
 Tel: (01752) 500000
 Fax: (01752) 500000
 Email: info@scilly.gov.uk
 http://www.scilly.gov.uk

ARCADIS

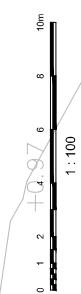
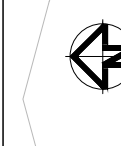
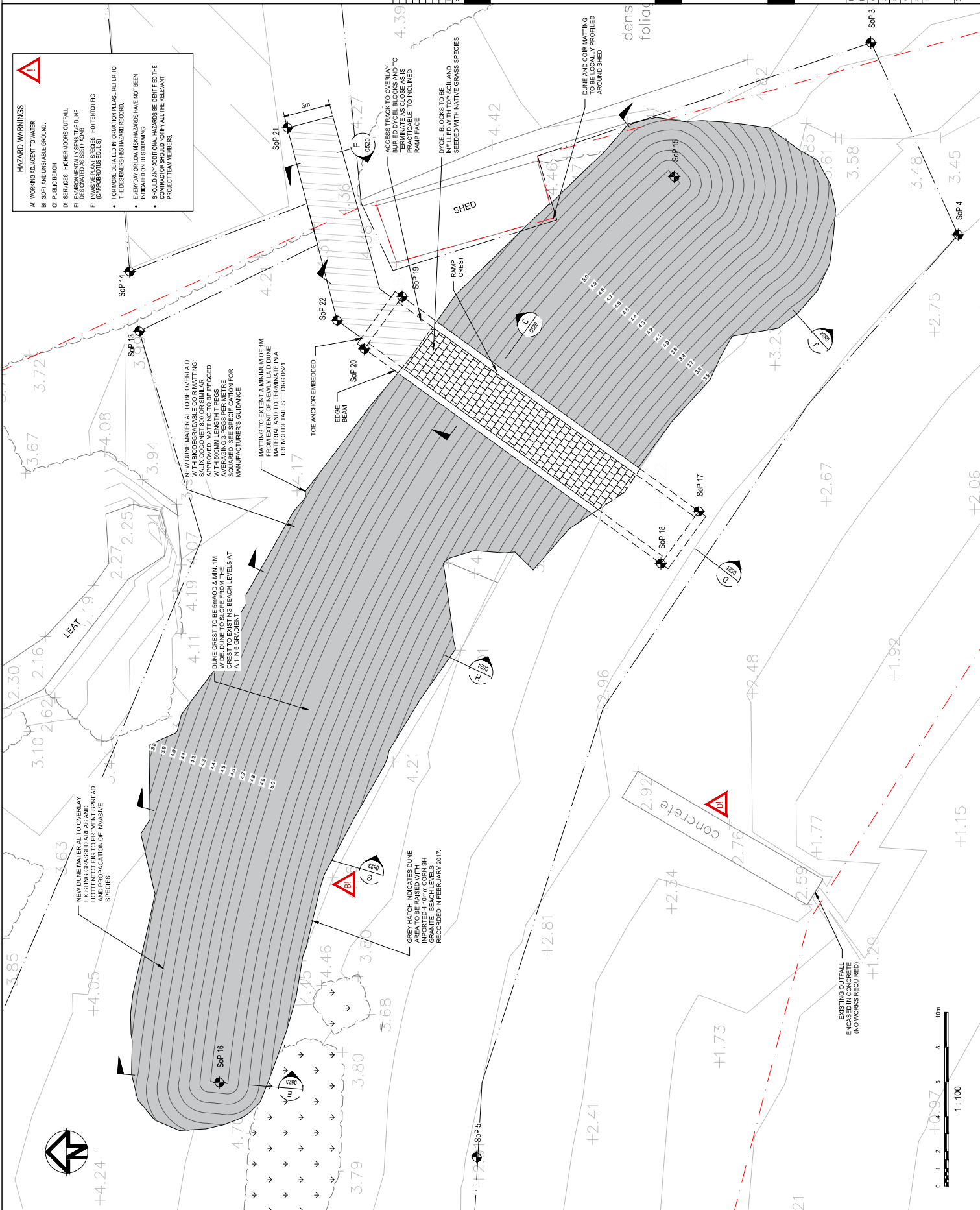
Regional office
 Arcadis House
 31 York Way
 Croydon CR9 3SP
 UK
 Tel: +44 (0)1732 589 000
 www.arcadis.com

TITLE
PORTH HELLOCK PLAN OF RAISED DUNE

Designed	Checked	Approved	Scale	Original Size	Sheet No.	Project Number
M. CLAUSEN	M. CLAUSEN	M. CLAUSEN	1:100	A1	OS	UA008878-ARC-XX-DR-CE-0502

ISSUED FOR INFORMATION

Drawing Number: UA008878-ARC-XX-DR-CE-0502
 Revision: P3



- NOTES:**
- DO NOT SCALE FROM THIS DRAWING UNLESS REQUIRED DIMENSIONS ONLY.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM LOCAL (ODL).
 - ALL DIMENSIONS AND LEVELS RELATIVE TO ODL UNLESS NOTED OTHERWISE.
 - FASCICULARA BICOLOR TO BE PLANTED TO PROVIDE A MINIMUM VEGETATED STRIP OF 4m WIDE ALONG THE CREST OF THE DUNE TO PROVIDE A BUFFER ZONE OF NATURAL VEGETATION TO BE PLANTED. BEACH LEVELS RECORDED IN FEBRUARY 2017.

- LEGEND:**
- DUNE TO BE RAISED TO 5m AOD AND TO BE PROTECTED WITH BIODEGRADABLE CONCRETE AND PLANTING
 - EXISTING FASCICULARA BICOLOR BUSHES
 - PROPOSED FASCICULARA BICOLOR BUSHES
 - INVASIVE PLANT SPECIES (CAMPHOROLAS EXCLUDING POTENTIAL TO PRESENT ADJACENT EXISTING VEGETATION)
 - PROPOSED ACCESS TRACK
 - CONTRACTOR'S COMPOUND
 - HIGHER MOORS & PORT HELLICK POOL (S17 (MAR 'S) BSSI)
 - BOUNDARY
 - WORKING AREA BOUNDARY

Ref.	Date	Description	Drawn	Checked	Approved
01	15/08/2017	Issue for tender	JM	MC	MC
02	15/08/2017	Issue for tender	JM	MC	MC
03	15/08/2017	Issue for tender	JM	MC	MC
04	15/08/2017	Issue for tender	JM	MC	MC
05	15/08/2017	Issue for tender	JM	MC	MC
06	15/08/2017	Issue for tender	JM	MC	MC
07	15/08/2017	Issue for tender	JM	MC	MC
08	15/08/2017	Issue for tender	JM	MC	MC
09	15/08/2017	Issue for tender	JM	MC	MC
10	15/08/2017	Issue for tender	JM	MC	MC
11	15/08/2017	Issue for tender	JM	MC	MC
12	15/08/2017	Issue for tender	JM	MC	MC
13	15/08/2017	Issue for tender	JM	MC	MC
14	15/08/2017	Issue for tender	JM	MC	MC
15	15/08/2017	Issue for tender	JM	MC	MC
16	15/08/2017	Issue for tender	JM	MC	MC
17	15/08/2017	Issue for tender	JM	MC	MC
18	15/08/2017	Issue for tender	JM	MC	MC
19	15/08/2017	Issue for tender	JM	MC	MC
20	15/08/2017	Issue for tender	JM	MC	MC

Client
COUNCIL OF THE ISLES OF SCILLY
 Council of the Isles of Scilly

PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Client
 Council of the Isles of Scilly
 Address: St Marys, Isles of Scilly, TQ12 1LW
 Tel: (01752) 500000
 Fax: (01752) 500005
 http://www.scilly.gov.uk

Site
 Isles of Scilly
 Porth Hellig

ARCADIS

Regional office:
 Arcadis House
 31 York Way
 London, N1 8JG
 Tel: +44 (0)20 7326 8800
 www.arcadis.com

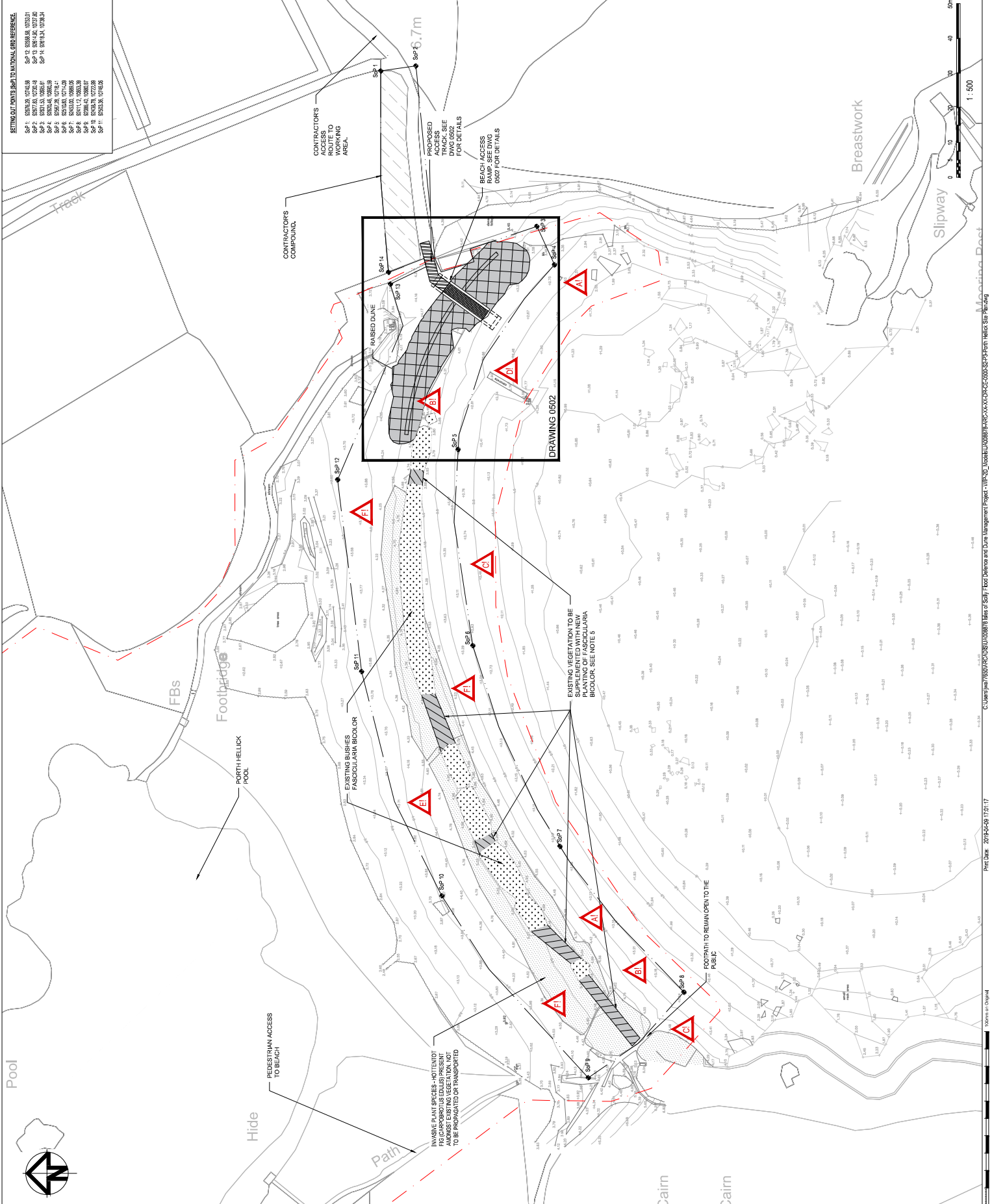
Coordinating office:
 889 Bournemouth Road
 Christchurch, BH23 5JZ
 Tel: +44 (0)1202 889 000

TITLE
PORTH HELLICK SITE PLAN

Designed	Drawn	Checked	Approved	Scale	Original Date	Subsidiary Description	Project Number
M. CLAUSEN	J. WATKINS	M. CLAUSEN	F. LODGE	1:500	A1	OS	UA00887
M. CLAUSEN	M. CLAUSEN	F. LODGE	M. NEWLYN		A1	OS	UA00888

ISSUED FOR INFORMATION

Drawing Number: UA00887-ARC-XX-DR-CE-0500
 Revision: P3



Porth Hellick, St Mary's



This product includes mapping data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office Crown copyright 2019. All rights reserved SLA Number 100024679

Date: 14/05/2019



1:2,500 @A4



Town Hall, The Parade,
St Mary's, Isles of Scilly, TR21 0LW



Council of the
ISLES OF SCILLY

NOTES:

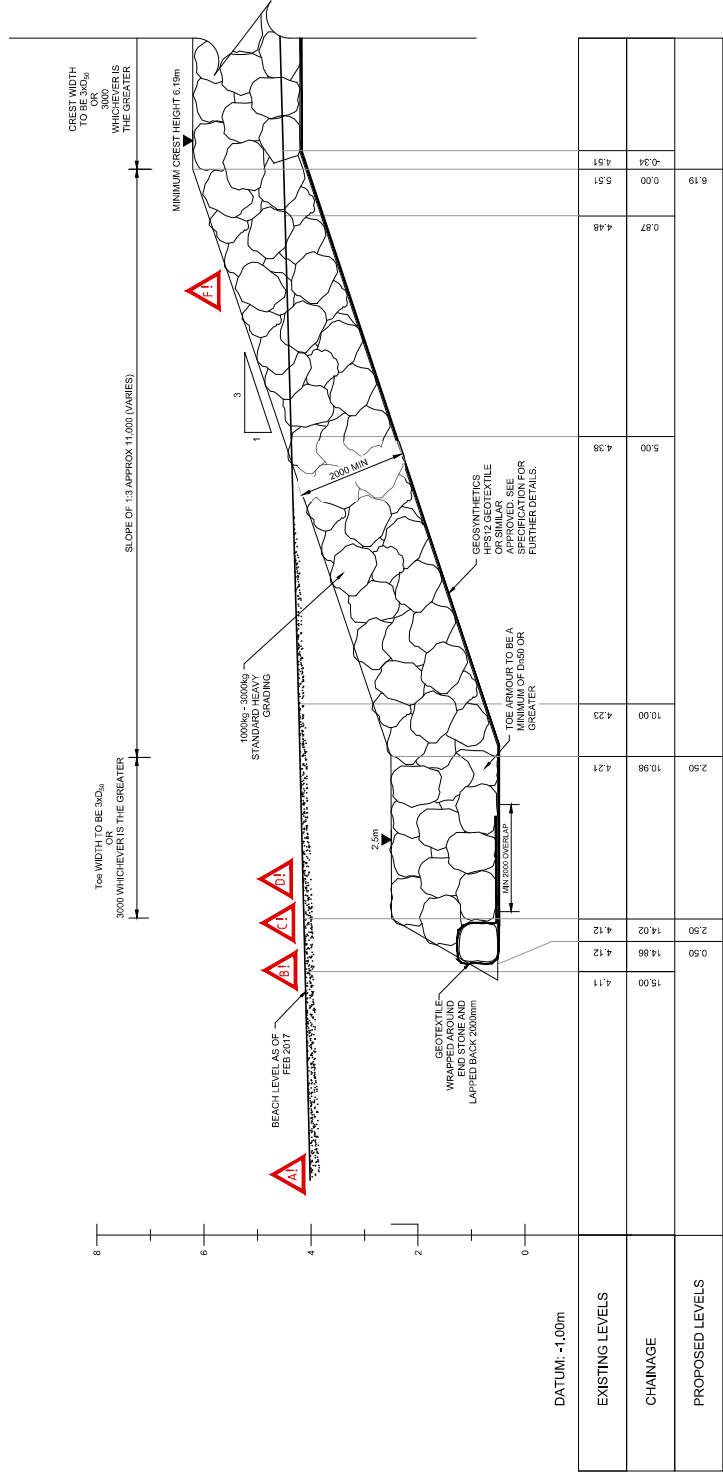
- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM LOCAL (ODL).
- THE INFORMATION RELATIVE TO ODL:
MUVN: 1.30m
MUVS: 2.70m
MUVS: 2.20m
MUVS: 2.20m

LEGEND:

HAZARD WARNINGS	
A1	WORKING ADJACENT TO WATER
B1	SOFT AND UNSTABLE GROUND
C1	DEEP EXCAVATIONS
D1	PUBLIC BEACH
E1	SERVICES
F1	ROCK STABILITY

FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S HAS HAZARD RECORD.

ANY LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING. NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO ANYONE WITH REASONABLE KNOWLEDGE OF THE SITE. CONTRACTORS SHOULD IDENTIFY ANY ADDITIONAL HAZARDS BE IDENTIFIED THE CONTRACTOR SHOULD NOTIFY ALL THE RELEVANT PROJECT TEAM MEMBERS.



SECTION B

TITLE

**PORTH MELLON
ROCK ARMOR DETAILS
SECTION B**

Designed	Checked	Approved	Scale	Date	Project Number
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876
MAREK DANI	MAREK DANI	LOOKE	1:1	05	U000876

ISSUED FOR INFORMATION

Drawing Number	Revision
U000876-ARC-XXXX-DR-CE-0021	P3

Client

COUNCIL OF THE ISLES OF SCILLY

PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

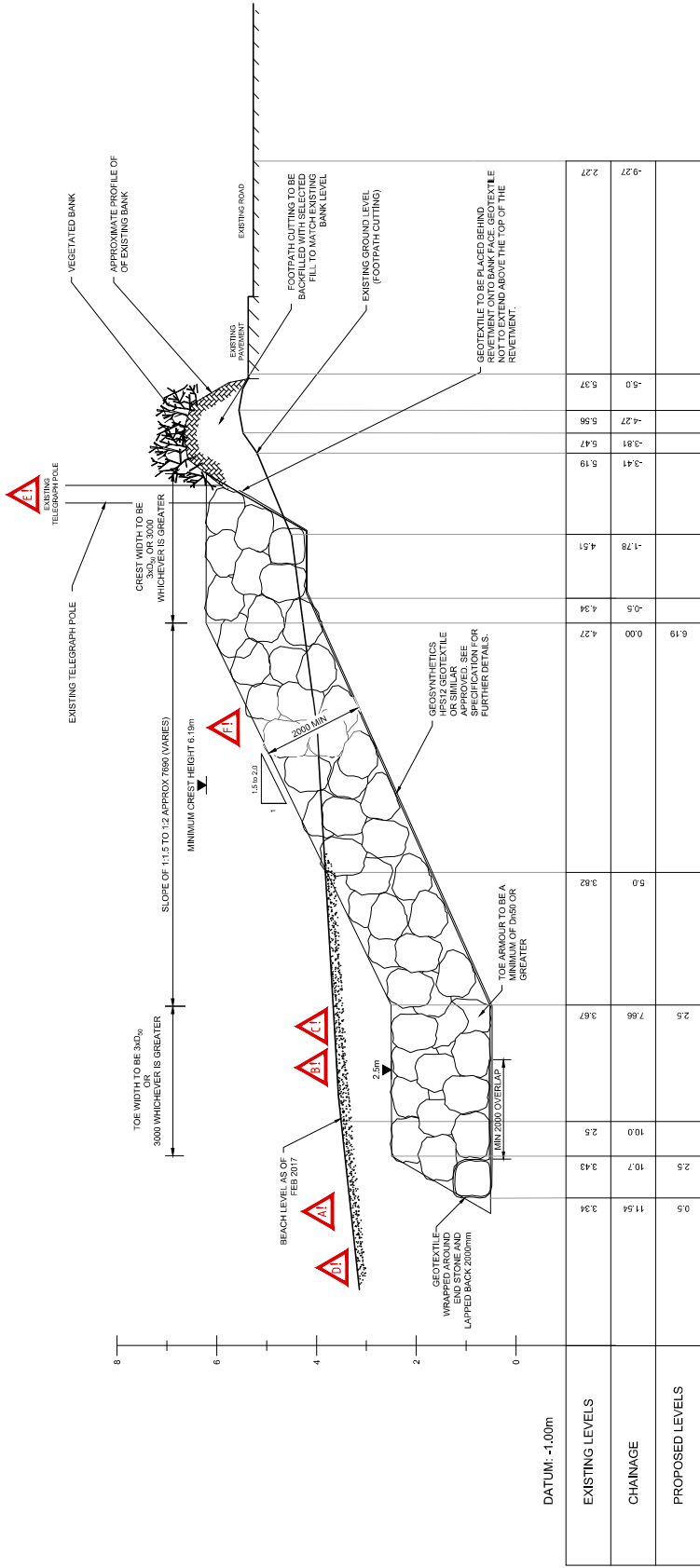
Client
Council of the Isles of Scilly
Address:
St Marys, Isles of Scilly, TR21 4LW
+44 (0)1752 690000
+44 (0)1752 690000
http://www.scilly.gov.uk

ARCADIS

Regional office:
Arcadis House
31 York Way
London, N1 8BS
Tel: +44 (0)1752 689 000
www.arcadis.com

HAZARD WARNINGS	
AI	WORKING ADJACENT TO WATER
BI	SOFT AND UNSTABLE GROUND
CI	DEEP EXCAVATIONS
DI	PUBLIC BEACH
EI	SERVICES
FI	ROCK STABILITY

• FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS HAS HAZARD RECORD.
 • EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN RECORDED.
 • HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR, SHOULD BE NOTIFIED TO THE CONTRACTOR AS BE NOTIFIED BY THE CONTRACTOR'S DESIGN TEAM.
 • ALL THE RELEVANT PROJECT TEAM MEMBERS.



SECTION A
0320

- NOTES:**
- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM LOCAL (ODL).
 - THE INFORMATION RELATIVE TO ODL:
 - M.L.W. 1.38m
 - M.L.W.N -0.91m
 - M.L.W.S -2.21m
 - BEACH LEVELS AS OF FEB 2017

LEGEND:

Rev	Date	Description	Drawn	Checked	Appr'd
01		ISSUED FOR INFORMATION	MM	MM	CC
02		ISSUED FOR INFORMATION	MM	MM	CC
03		ISSUED FOR INFORMATION	MM	MM	CC

Client
 Council of the Isles of Scilly
 ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Client
 Council of the Isles of Scilly
 Isles of Scilly
 Town Hall
 14-16 (17) 20 25/000
 14-16 (17) 20 25/000
 14-16 (17) 20 25/000
 14-16 (17) 20 25/000

ARCADIS

Regional office
 24 York Way
 London
 EC1A 3EX
 Tel: +44 (0)20 7066 0000
 www.arcadis.com

TITLE:
 PORTH MELLON
 ROCK RETIEMENT
 SECTION A

Designed	Checked	Approved	Scale	Original Size	Stability Code	Project Number
M.AEDHAM	M.AEDHAM	M.C.AJENH	LOOSE	A1	S1	UA008878-ARC-XX-DR-CE-0320

ISSUED FOR INFORMATION

Revision: P3

NOTES:

- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM LOCAL (ODL).
- TIDE INFORMATION RELATIVE TO ODL:
MLWN 1.38m
MLWS 2.79m
MLWB -2.21m

LEGEND:

- BT (UNDERGROUND SERVICES)
- BT (OVERHEAD SERVICES)
- ELECTRIC (UNDERGROUND) 11KV
- COMBINED SEWER
- WATER MAIN

Rev	Date	Description	Drawn	Checked	Approved

Client
COUNCIL OF THE ISLES OF SCILLY
PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site
 Isles of Scilly
 Porth Mellon
 Address of the Isles of Scilly
 Town Hall
 Trowell
 Isles of Scilly, TR21 1SL
 Tel: 01752 42100
 Fax: 01752 42100
 Email: info@scilly.gov.uk
www.scilly.gov.uk



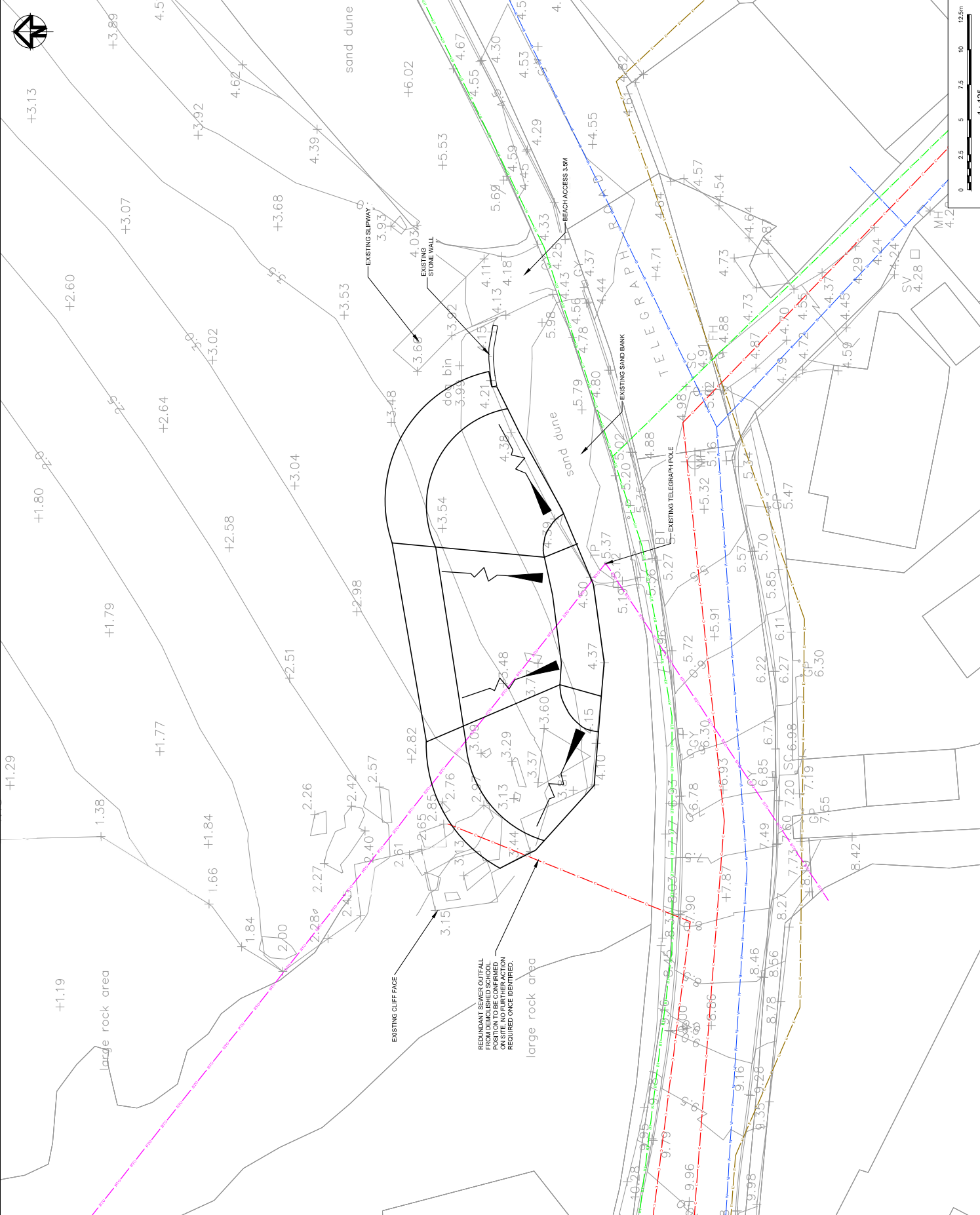
Registration office:
 31 York Way
 London
 N1 1AB
 Tel: +44 (0)20 7326 8000
www.arcadis.com

TITLE:
SERVICES PLAN
PORTH MELLON

Designed	Drawn	Checked	Approved	Scale	Original Size	Subsidiary Code	Subsidiary Description
M. NEEHAM	M. NEEHAM	M. NEEHAM	M. NEEHAM	1:25	A1	SC	Isles of Scilly

ISSUED FOR INFORMATION

Drawing Number: UA0008878-XX-XX-DR-0-0303
 Revision: P3
 © Copyright reserved



- NOTES:**
- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM (LOCAL OD)
 - CRANES AND CRANES ARE TO BE POSITIONED AS HIGH RELATIVE TO OD
 - SETTING OUT POINTS (SoP) TO ORDNANCE
 - MLWN 1.38m
 - MLWS 2.71m
 - MLWS 2.21m
 - SOP 9: 80759.85, 10868.83
 - SOP 10: 80759.77, 10868.47
 - SOP 11: 80758.82, 10868.73
 - SOP 12: 80758.82, 10868.73
 - SOP 13: 80750.13, 10868.50
 - BEACH LEVELS AS OF FEB 2017

- HAZARD WARNINGS**
- A1 WORKING ADJACENT TO WATER
 - B1 SOFT AND UNSTABLE GROUND
 - C1 DEEP EXCAVATIONS
 - D1 PUBLIC BEACH
 - E1 SERVICES
 - F1 ROCK STABILITY
- FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS HAS HAZARD EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING. NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO ANYONE VISITING THE SITE. HAZARDS SHOULD BE IDENTIFIED THE CONTRACTOR SHOULD NOTIFY ALL THE RELEVANT PROJECT TEAM MEMBERS.

- LEGEND:**
- - - WORKING AREA
 - - - APPROXIMATE BEACH FINISH LEVEL
 - - - APPROXIMATE TOE OF CLIFF
 - ▨ ESTIMATED BURIED EXTENT OF REVELMENT
 - ▨ ESTIMATE EXPOSED EXTENT ROCK REVELMENT
 - ▨ ROCK TO OVERLAY REVELMENT

Rev	Date	Description	Drawn	Checked	By
01		ISSUED FOR INFORMATION			
02		ISSUED FOR INFORMATION			

Client
 Council of the Isles of Scilly
 PROJECT: ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Client
 Isles of Scilly
 Porth Mellon
 Address: Isles of Scilly
 Town Hill
 Trowell
 Isles of Scilly, TST 10,1N
 +44 (0)1752 621000
 +44 (0)1752 621001
 +44 (0)1752 621002
 +44 (0)1752 621003
 +44 (0)1752 621004

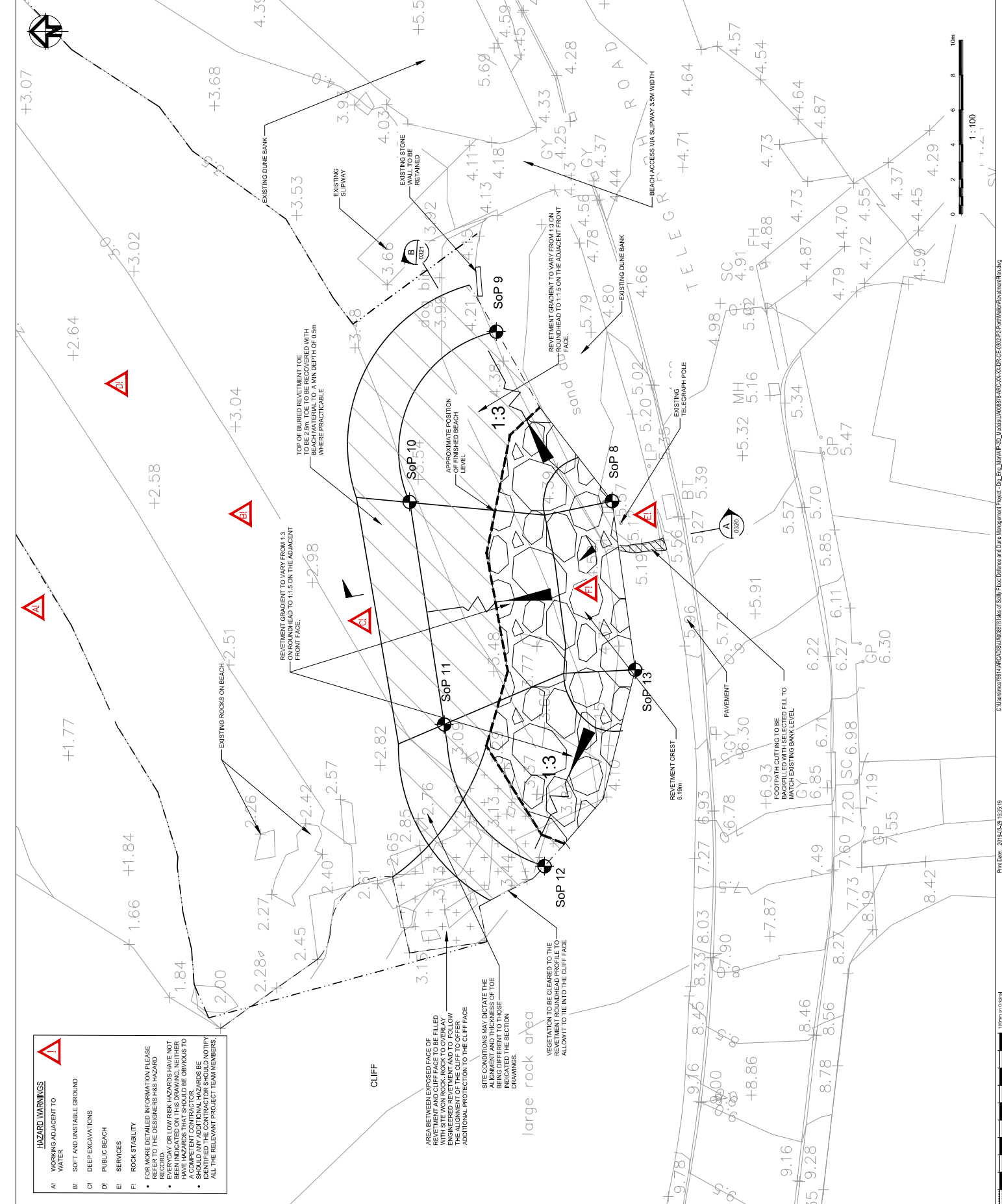
Registering office:
 3rd Floor
 100 Broad Street
 London
 W1P 3JG
 Tel: +44 (0)20 7654 0000
 www.arcadis.com

ARCADIS
 Registering office:
 3rd Floor
 100 Broad Street
 London
 W1P 3JG
 Tel: +44 (0)20 7654 0000
 www.arcadis.com

TITLE:
 RETEVIEMENT PLAN
 PORTH MELLON

Designed	Drawn	Checked	Approved	Scale	Original Size	Submittal Code	Project Number
M. NEEDEHAM	M. NEEDEHAM	M. NEEDEHAM	L. COOKE	1:100	A1	GS	UA008876
M. NEEDEHAM	M. NEEDEHAM	M. NEEDEHAM	L. COOKE	1:100	A1	GS	UA008876
M. NEEDEHAM	M. NEEDEHAM	M. NEEDEHAM	L. COOKE	1:100	A1	GS	UA008876
M. NEEDEHAM	M. NEEDEHAM	M. NEEDEHAM	L. COOKE	1:100	A1	GS	UA008876

ISSUED FOR INFORMATION
 Drawing Number: UA008876-XX-OR-CE-0302
 Revision: P2



NOTES:

- DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METRES RELATIVE TO O.D.
- TIDE INFORMATION RELATIVE TO O.D.
- SETTING OUT POINTS (SOP) TO ORDINANCE
- BEACH LEVELS AS OF FEB 2017

LEGEND:

- WORKING AREA
- PROPOSED CONTRACTORS COMPOUND & MATERIAL STORAGE AREA

Ref	Date	Description	Drawn	Check	Approved
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

Client
COUNCIL OF THE ISLES OF SCILLY
PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

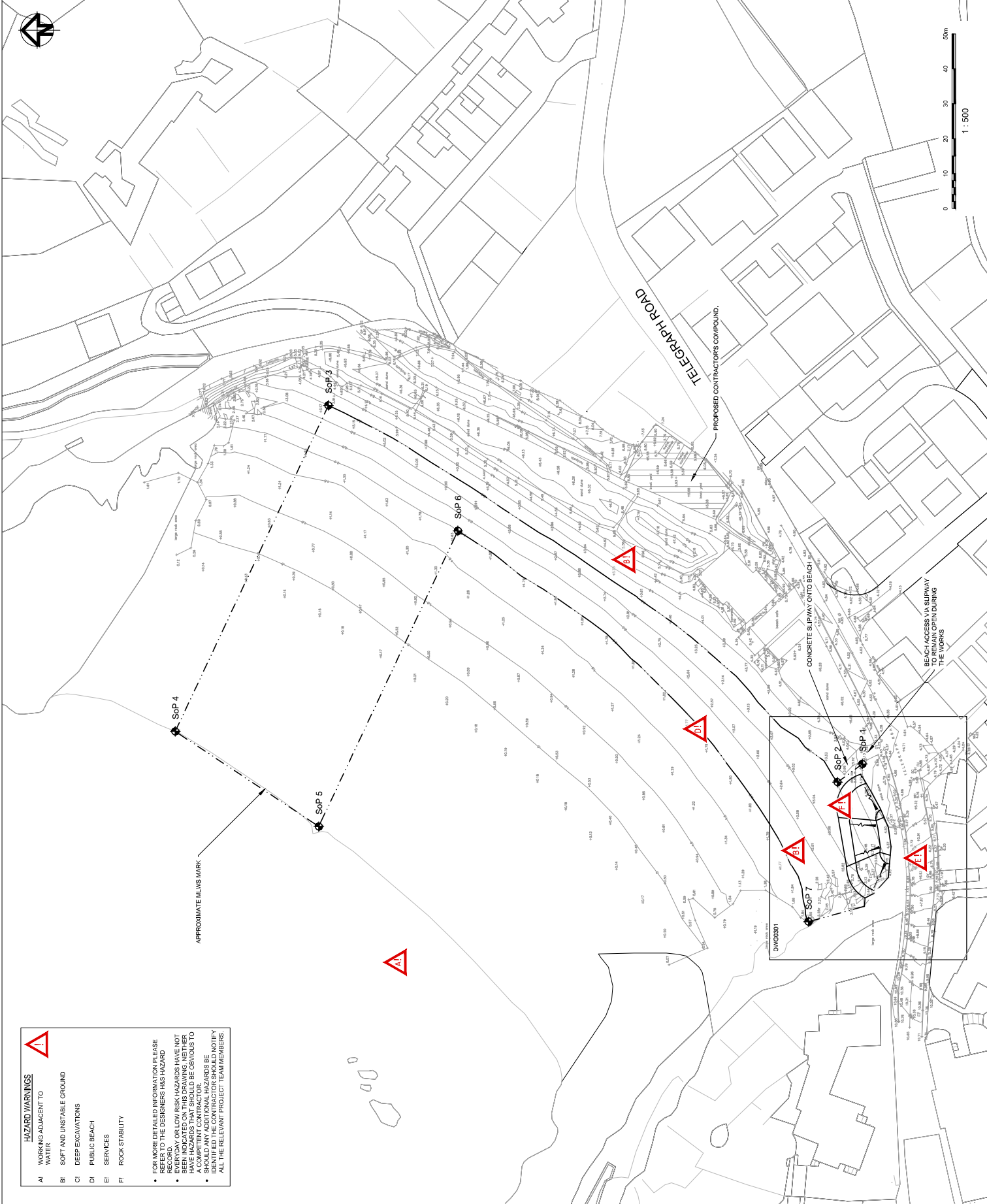
Site
 Isles of Scilly
 Porth Mellon
Client
 Council of the Isles of Scilly
 Address:
 St Marys, Isles of Scilly, T192 8LW
 Tel: +44 (0)1752 62000
 Fax: +44 (0)1752 62001
 http://www.scilly.gov.uk

ARCADIS
 Regional Office:
 Arcadis House
 39 Iron Way
 Crawley, West Sussex
 BN11 8BS
 Tel: +44 (0)1293 889 000
 www.arcadis.com

TITLE
SITE PLAN
PORTH MELLON

Designed	Checked	Approved	Scale	Original Date	Submission Code	Submission Description	Project Number
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878
M. NEEDHAM	M. NEEDHAM	M. NEEDHAM	1:500	15/01/2017	FA	OS	UA000878

ISSUED FOR INFORMATION
 Drawing Number: UA000878-XXX-DR-CE-0300
 Revision: P3
 © Copyright reserved

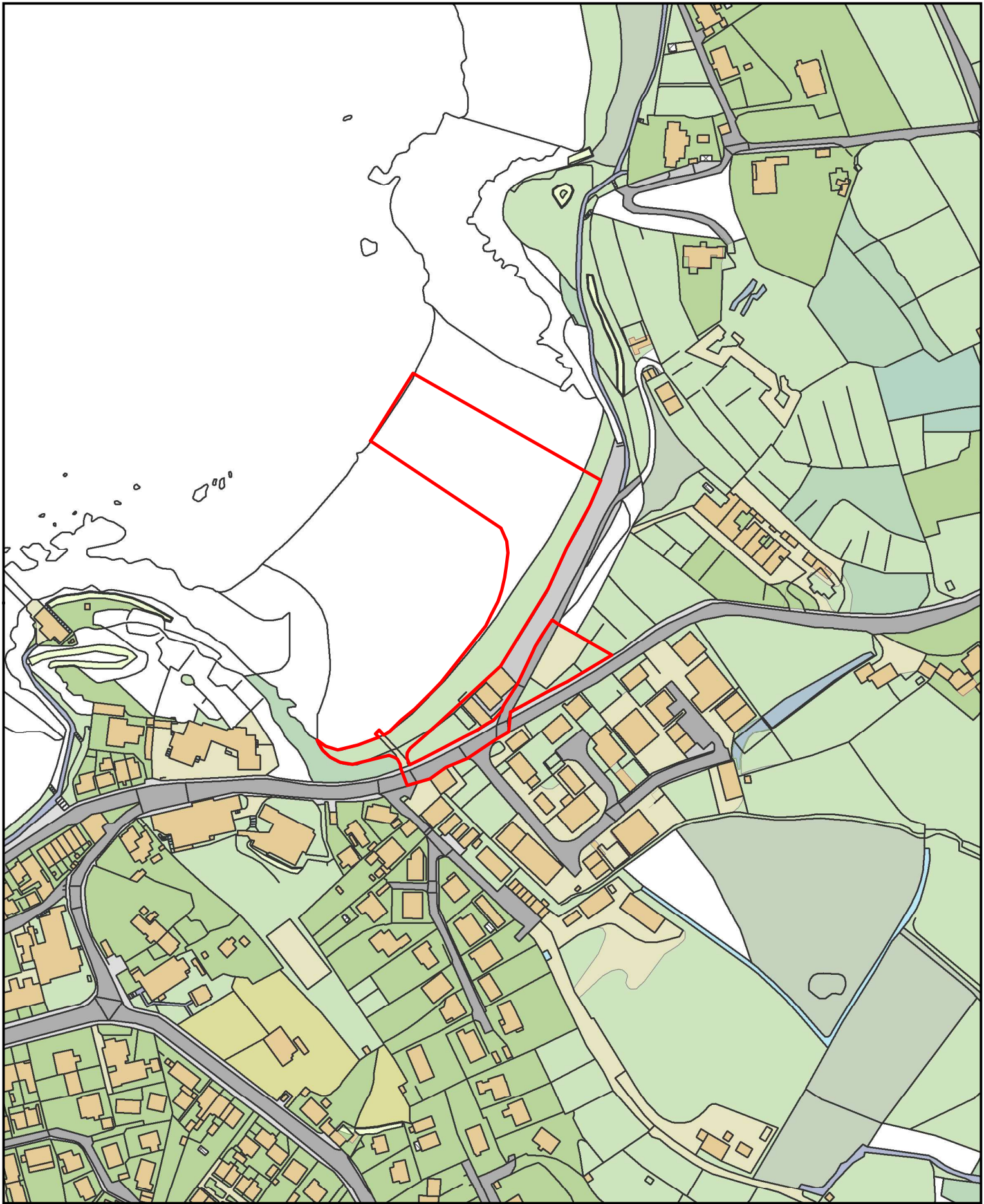


HAZARD WARNINGS

- A1 WORKING ADJACENT TO WATER
- B1 SOFT AND UNSTABLE GROUND
- C1 DEEP EXCAVATIONS
- D1 PUBLIC BEACH
- E1 SERVICES
- F1 ROCK STABILITY

FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS HAS HAZARD RECORD. EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN IDENTIFIED AND THESE SHOULD BE NOTIFIED TO A COMPETENT CONTRACTOR. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THESE SHOULD BE NOTIFIED TO ALL THE RELEVANT PROJECT TEAM MEMBERS.

Porthmellon, St Mary's



This product includes mapping data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office Crown copyright 2019. All rights reserved SLA Number 100024679

Date: 14/05/2019



1:2,500 @A4



Town Hall, The Parade,
St Mary's, Isles of Scilly, TR21 0LW



Council of the
ISLES OF SCILLY

NOTES:

1. CONTRACTOR TO CONTRIBUTE TO SURVEYS ON SITE.
2. THE RULES OF SCILLY AND PROVIDED TO ARCADIS FOR THE USE WITHIN FLOOD DEFENCE AND DUNE MANAGEMENT.
3. TOPOGRAPHIC DATA TAKEN FROM BENCHMARK SURVEY'S SURVEY UNDERTAKEN FEB 2017.
4. DIMENSIONS ARE GIVEN IN METRES UNLESS OTHERWISE STATED.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
6. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM.
7. THE PROPOSED DUNE IS TO BE CONSTRUCTED TO A MINIMUM OF 1.8m ABOVE THE 1 IN 200 YEAR FLOOD DEFENCE STILL WATER LEVEL.
8. ALL PLANTS PERMITTED ON TOP OF THE EXISTING EMBANKMENT MATERIAL TO BE BACKILLED FROM LANDWARD (BOAT PARK) SIDE WALL.
9. TO ENSURE A SAFE EXCAVATION.

LEGEND:

- SEE MAIN BLOCK TO SYMBOL OF RELEVANT & BACKFILL EXISTING DEFENCE
- ESTIMATED TOE LEVEL OF EXISTING SEA
- ESTIMATED CLAY LEVEL

Ref	Date	Description	Drawn	Check	Revised
01		ISSUED FOR INFORMATION			
02		FOR INFORMATION			
03		FOR INFORMATION			
04		FOR INFORMATION			
05		FOR INFORMATION			
06		FOR INFORMATION			
07		FOR INFORMATION			
08		FOR INFORMATION			
09		FOR INFORMATION			
10		FOR INFORMATION			
11		FOR INFORMATION			

Client
COUNCIL OF THE ISLES OF SCILLY
PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site
 Council of the Isles of Scilly
 Address
 St Marys, Isles of Scilly, T192 6LW
 Tel: +44 (0)1752 242600
 enquiries@scilly.gov.uk
 http://www.scilly.gov.uk/

Client
 Council of the Isles of Scilly
 Address
 St Marys, Isles of Scilly, T192 6LW
 Tel: +44 (0)1752 242600
 enquiries@scilly.gov.uk
 http://www.scilly.gov.uk/

ARCADIS
 Registration office:
 Arcadis House
 34 York Way
 Covent Garden
 London WC1E 7AA
 Tel: +44 (0)1753 689 000
 www.arcadis.com

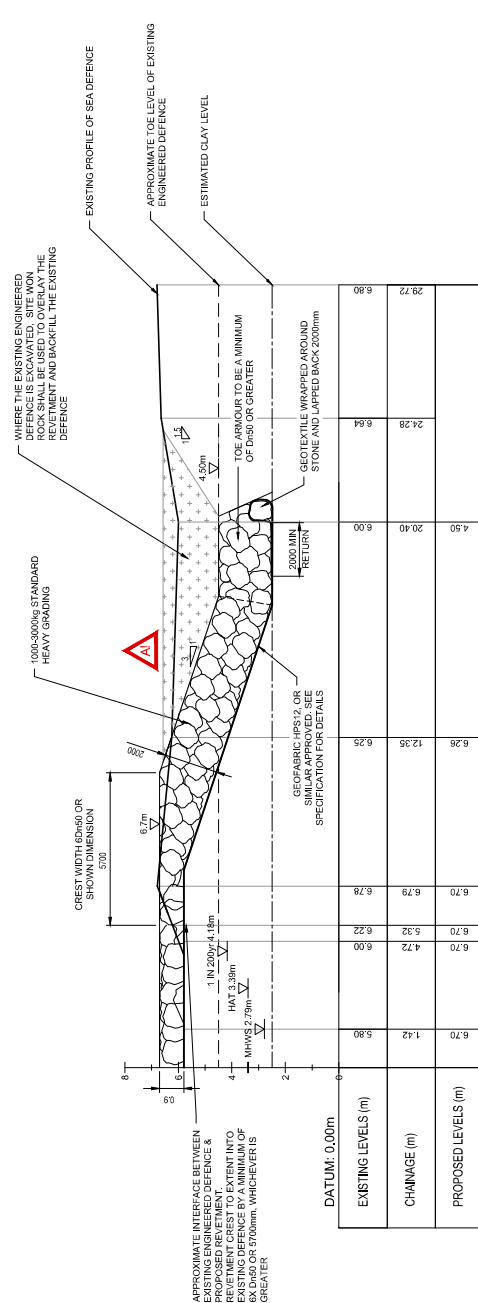
TITLE
PORTHLOO CROSS SECTIONS SHEET 03 OF 03

ISSUED FOR INFORMATION
 Drawing Number: UA008878-ARC-XX-OR-CE-0223
 Revision: P4

HAZARD WARNINGS

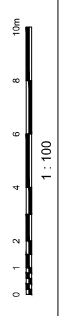
A1 WORKING ADJACENT TO WATER
 B1 SOFT UNSTABLE GROUND
 C1 PUBLIC BEACH
 D1 SERVICES- EXISTING OUTFALL
 E1 UNSTABLE ROCK-FORMER
 F1 PORTHLOOSSSI

FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS HAZARD RECORD. THE HAZARD ARE AS SEEN AND INDICATED ON THIS DRAWING. CONTRACTORS SHOULD BE AWARE THAT SHOULD BE OBLIGED TO A COMPETENT CONTRACTOR. ADDITIONAL HAZARDS SHOULD BE IDENTIFIED BY THE CONTRACTOR AND NOTIFIED TO ALL THE RELEVANT PROJECT TEAM MEMBERS.

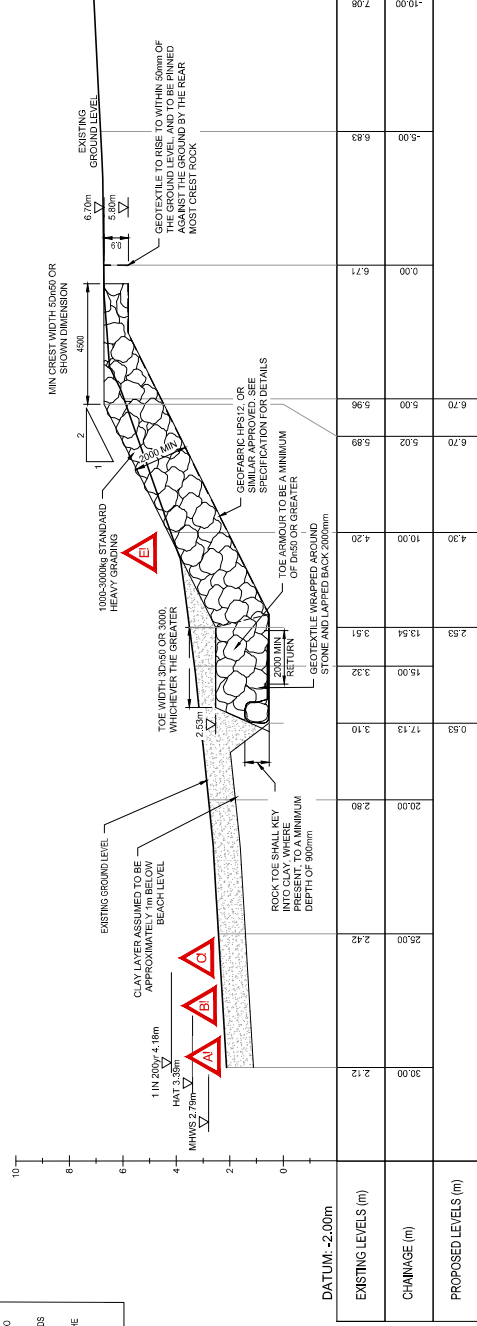


EXISTING LEVELS (m)	CHANGES (m)	PROPOSED LEVELS (m)
29.72	6.80	6.90
24.28	6.64	6.64
20.40	6.00	6.00
12.35	6.25	6.25
6.78	6.78	6.78
5.32	6.22	6.22
4.72	6.00	6.00
1.42	5.80	6.70

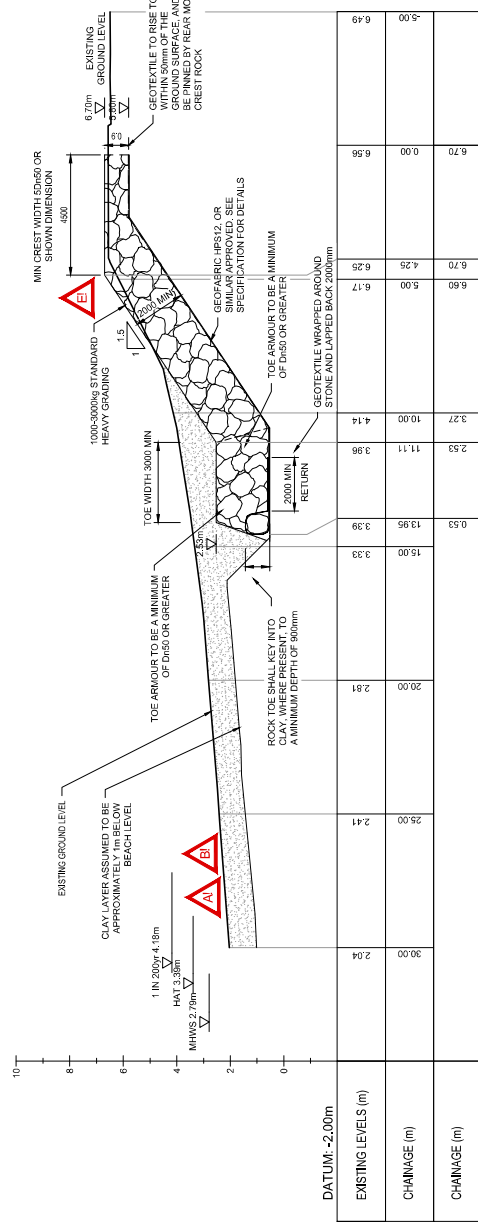
SECTION E
 1 : 100



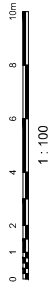
- HAZARD WARNINGS**
- A) WORKING ADJACENT TO WATER
 - B) SOFT & UNSTABLE GROUND
 - C) PUBLIC BEACH
 - D) SERVICES-EXISTING OUTFALL
 - E) UNSTABLE ROCK ARMOUR
 - F) PORTHLOO SSSI
- FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNER'S HAS HAZARD RECORD.
 - EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN IDENTIFIED. OTHER HAZARDS MAY BE PRESENT THAT SHOULD BE OBTAINED TO A COMPETENT CONTRACTOR.
 - CONTRACTOR'S ATTENTION: HAZARDS ARE REQUIRED TO BE IDENTIFIED AND NOTIFIED BY ALL THE RELEVANT PROJECT TEAM MEMBERS.



SECTION A
1: 100



SECTION B
1: 100



- NOTES:**
- CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF THE ISLES OF SCILLY AND PROVIDED TO ARCHITECTS FOR THE PROJECT.
 - TOPOGRAPHIC DATA TAKEN FROM THE ISLES OF SCILLY DEFENCE AND FLOOD MANAGEMENT PROJECT DRAWING NO. BS24302.102024.
 - DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM.
 - DIMENSIONS BASED ON D50 VALUE OF 800mm.
 - HAT 3.35m
 - MHW 1.35m
 - MWN 4.55m
 - RELATIVE TO O.D.
 - 1 IN 200 YEAR JOINT PROBABILITY STILL WATER LEVEL.
 - RELATIVE TO O.D.
 - SWL 4.19m

LEGEND:

Ref	Description	Drawn	Checked	Approved
01	PROPOSED ROCK ARMOUR	SM	MC	MC
02	EXISTING GROUND LEVEL	SM	MC	MC
03	EXISTING GROUND LEVEL	SM	MC	MC
04	EXISTING GROUND LEVEL	SM	MC	MC
05	EXISTING GROUND LEVEL	SM	MC	MC
06	EXISTING GROUND LEVEL	SM	MC	MC
07	EXISTING GROUND LEVEL	SM	MC	MC
08	EXISTING GROUND LEVEL	SM	MC	MC
09	EXISTING GROUND LEVEL	SM	MC	MC
10	EXISTING GROUND LEVEL	SM	MC	MC
11	EXISTING GROUND LEVEL	SM	MC	MC
12	EXISTING GROUND LEVEL	SM	MC	MC
13	EXISTING GROUND LEVEL	SM	MC	MC
14	EXISTING GROUND LEVEL	SM	MC	MC
15	EXISTING GROUND LEVEL	SM	MC	MC
16	EXISTING GROUND LEVEL	SM	MC	MC
17	EXISTING GROUND LEVEL	SM	MC	MC
18	EXISTING GROUND LEVEL	SM	MC	MC
19	EXISTING GROUND LEVEL	SM	MC	MC
20	EXISTING GROUND LEVEL	SM	MC	MC
21	EXISTING GROUND LEVEL	SM	MC	MC
22	EXISTING GROUND LEVEL	SM	MC	MC
23	EXISTING GROUND LEVEL	SM	MC	MC
24	EXISTING GROUND LEVEL	SM	MC	MC
25	EXISTING GROUND LEVEL	SM	MC	MC
26	EXISTING GROUND LEVEL	SM	MC	MC
27	EXISTING GROUND LEVEL	SM	MC	MC
28	EXISTING GROUND LEVEL	SM	MC	MC
29	EXISTING GROUND LEVEL	SM	MC	MC
30	EXISTING GROUND LEVEL	SM	MC	MC
31	EXISTING GROUND LEVEL	SM	MC	MC
32	EXISTING GROUND LEVEL	SM	MC	MC
33	EXISTING GROUND LEVEL	SM	MC	MC
34	EXISTING GROUND LEVEL	SM	MC	MC
35	EXISTING GROUND LEVEL	SM	MC	MC
36	EXISTING GROUND LEVEL	SM	MC	MC
37	EXISTING GROUND LEVEL	SM	MC	MC
38	EXISTING GROUND LEVEL	SM	MC	MC
39	EXISTING GROUND LEVEL	SM	MC	MC
40	EXISTING GROUND LEVEL	SM	MC	MC
41	EXISTING GROUND LEVEL	SM	MC	MC
42	EXISTING GROUND LEVEL	SM	MC	MC
43	EXISTING GROUND LEVEL	SM	MC	MC
44	EXISTING GROUND LEVEL	SM	MC	MC
45	EXISTING GROUND LEVEL	SM	MC	MC
46	EXISTING GROUND LEVEL	SM	MC	MC
47	EXISTING GROUND LEVEL	SM	MC	MC
48	EXISTING GROUND LEVEL	SM	MC	MC
49	EXISTING GROUND LEVEL	SM	MC	MC
50	EXISTING GROUND LEVEL	SM	MC	MC

Client
COUNCIL OF THE ISLES OF SCILLY

Project:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site
Isle of Scilly

Client
Council of the Isles of Scilly
Address: St Marys, Isles of Scilly, TR21 1LW
Tel: +44 (0)1752 524000
enquiries@scilly.gov.uk
http://www.scilly.gov.uk

Responsible office:
Arcadis House
34 York Way
London, E8 3JF
UK
Tel: +44 (0)1752 689 000
www.arcadis.com



Drawn: [Name]
Checked: [Name]
Approved: [Name]

Original Size: A1
Scale: 1:100
Sheet Number: U00868

Project Number: U00868

Revision: P4

Reason:

ISSUED FOR INFORMATION

Drawing Number: UA0086878-ARC-XX-OR-CE-0221

Copyright reserved

Drawn: [Name]
Checked: [Name]
Approved: [Name]

Original Size: A1
Scale: 1:100
Sheet Number: U00868

Project Number: U00868

Revision: P4

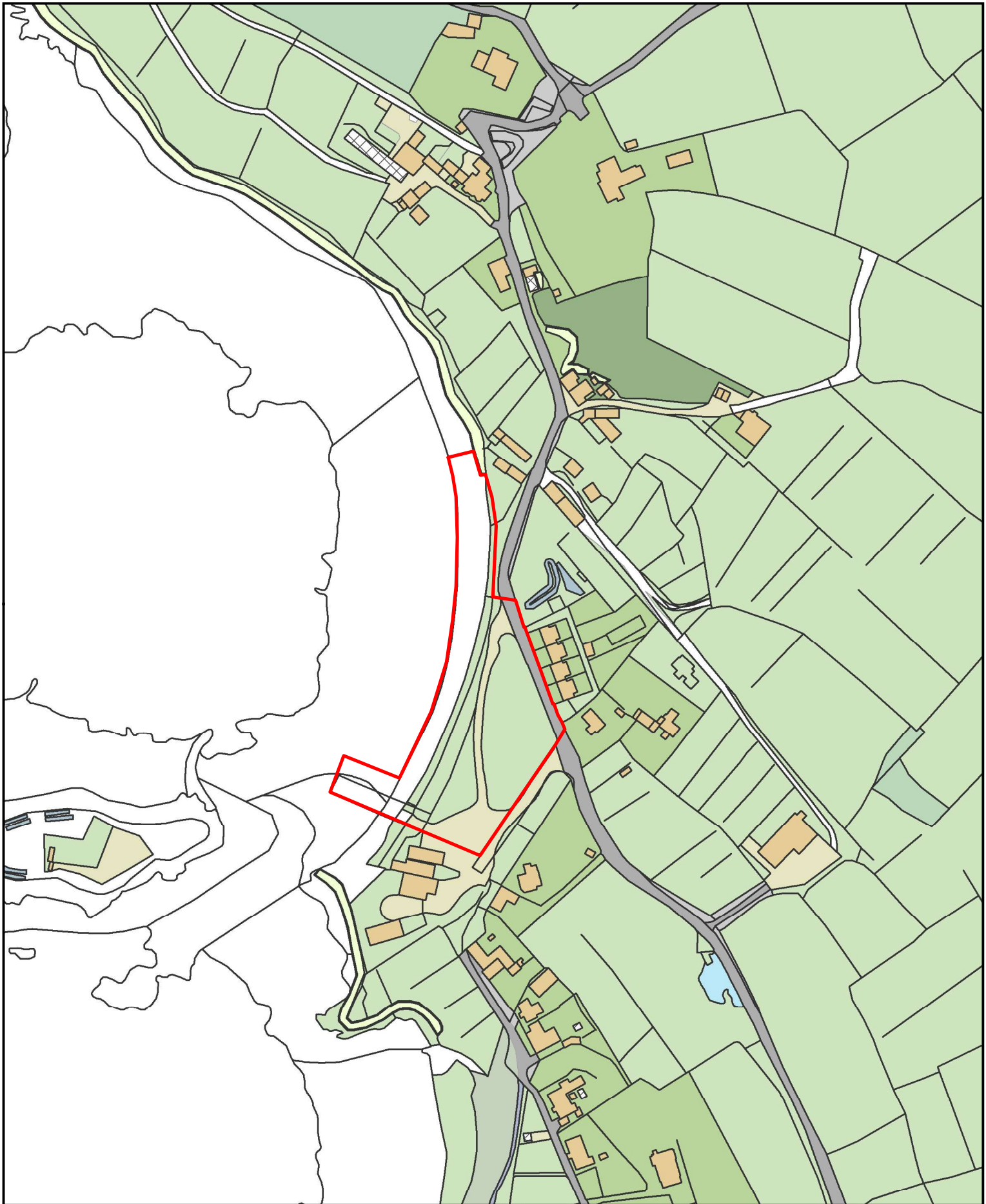
Reason:

ISSUED FOR INFORMATION

Drawing Number: UA0086878-ARC-XX-OR-CE-0221

Copyright reserved

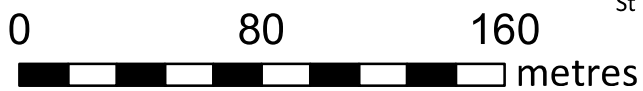
Porthloo, St Mary's



This product includes mapping data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office Crown copyright 2019. All rights reserved SLA Number 100024679

Date: 14/05/2019

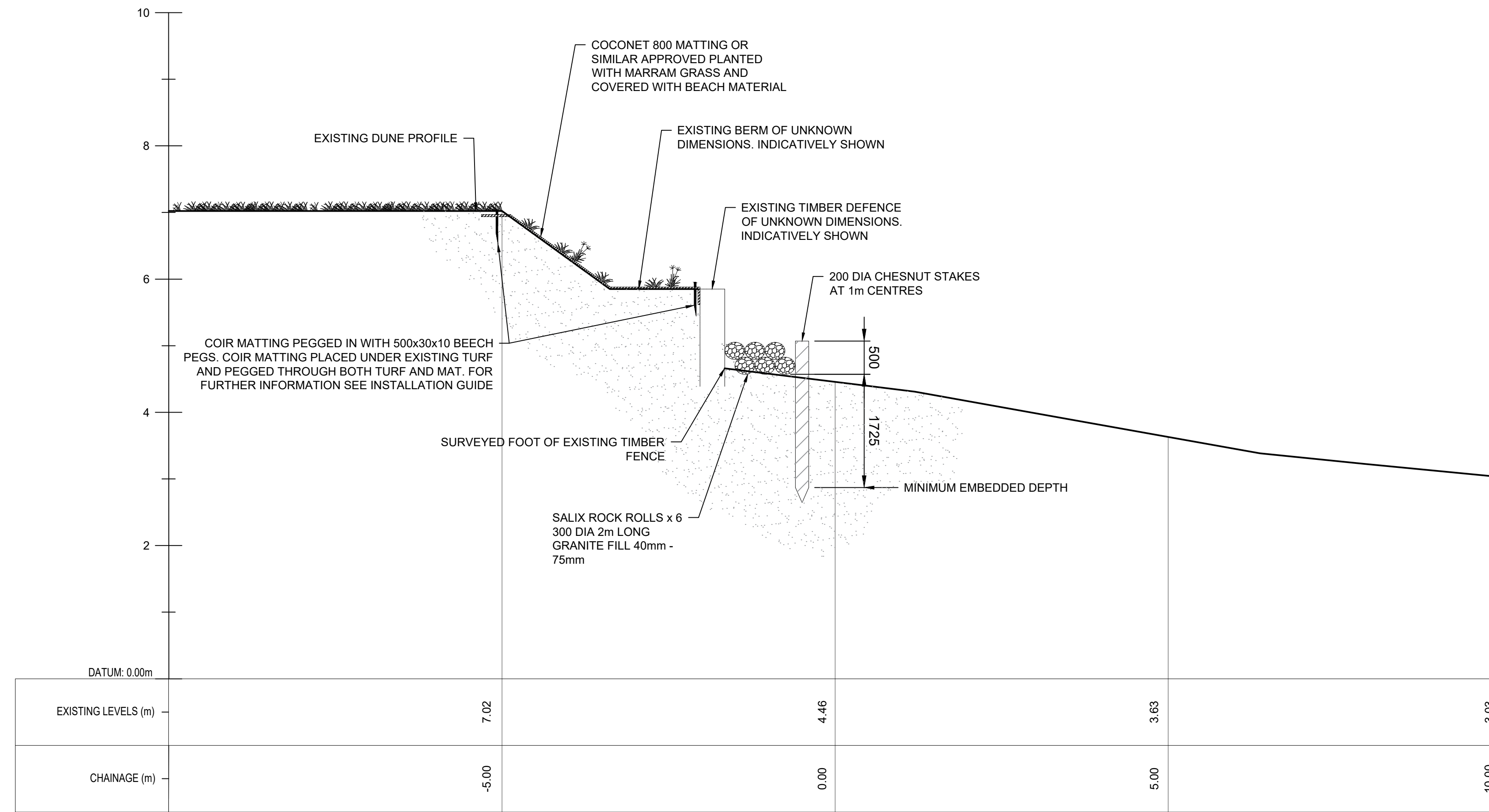
1:2,500 @A4



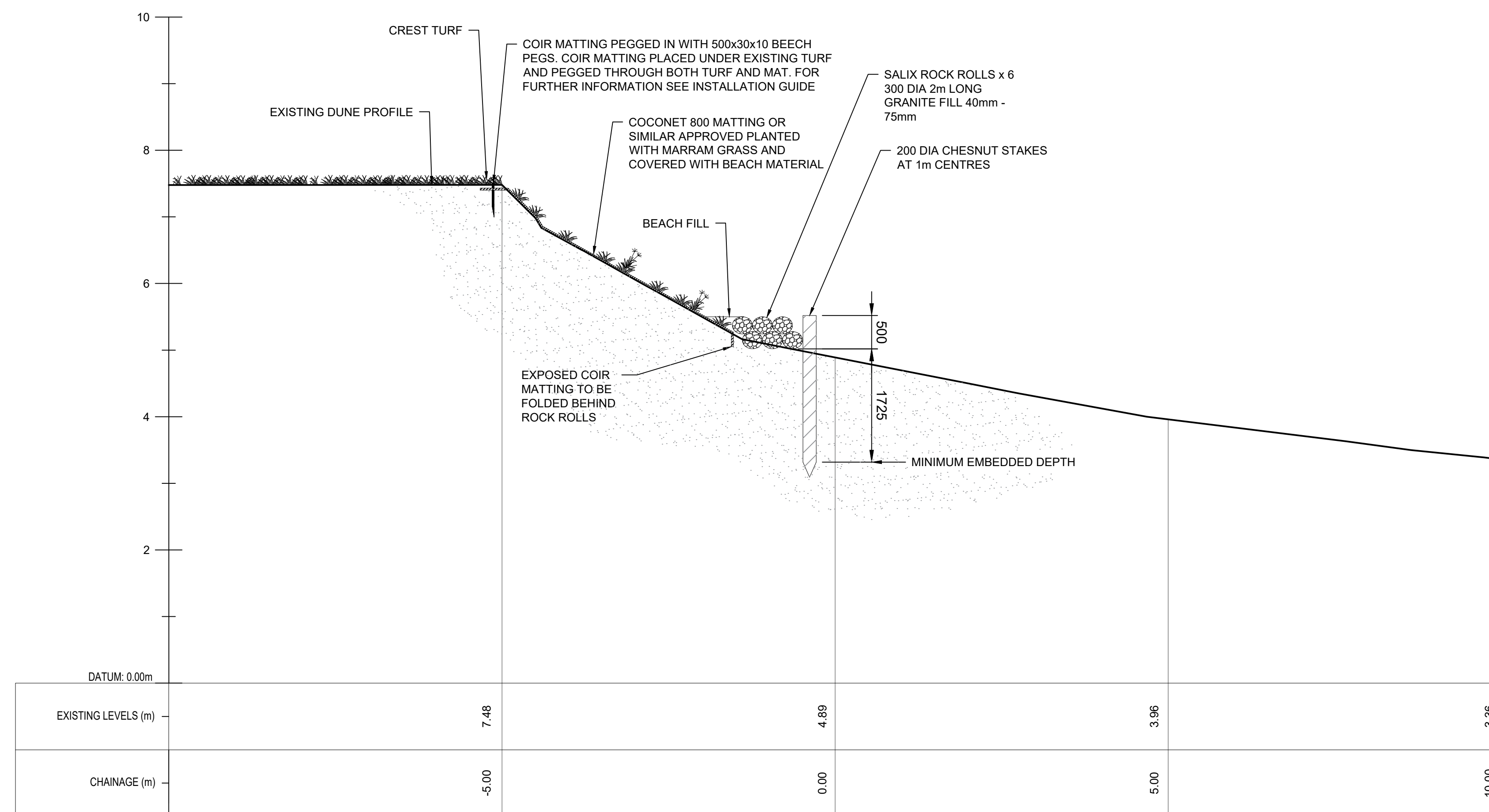
Town Hall, The Parade,
St Mary's, Isles of Scilly, TR21 0LW



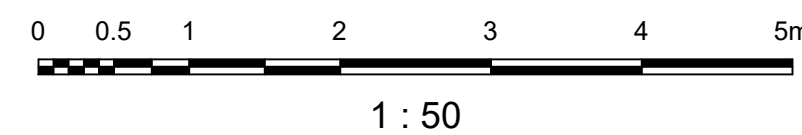
Council of the
ISLES OF SCILLY



SECTION B
SCALE 1 : 50 0630




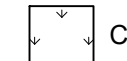
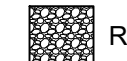
SECTION C
SCALE 1 : 50 0630



NOTES:

1. THIS DRAWING IS NOT TO BE SCALED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (ODN).
4. TIMBER TO BE FROM FSC SOURCES
5. FOR DETAILS OF ROCK ROLLS SEE SPECIFICATION

LEGEND:

-  TIMBER STAKES
-  COCONET 800 WITH MATURE PLANTING
-  ROCK ROLLS

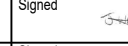


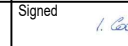
P1	15SEP17	ISSUED FOR INFORMATION	EB	MC	IC
Rev	Date	Description	Drawn	Check	Approv

Client
COUNCIL OF THE ISLES OF SCILLY
 PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site **Client**
 Isles of Scilly Council of the Isles of Scilly
 South Dune Beach Address
 Town Hall
 St Marys, Isles of Scilly, TR21 0LW
 +44 (0)1720 424000
 enquiries@scilly.gov.uk
 http://www.scilly.gov.uk/

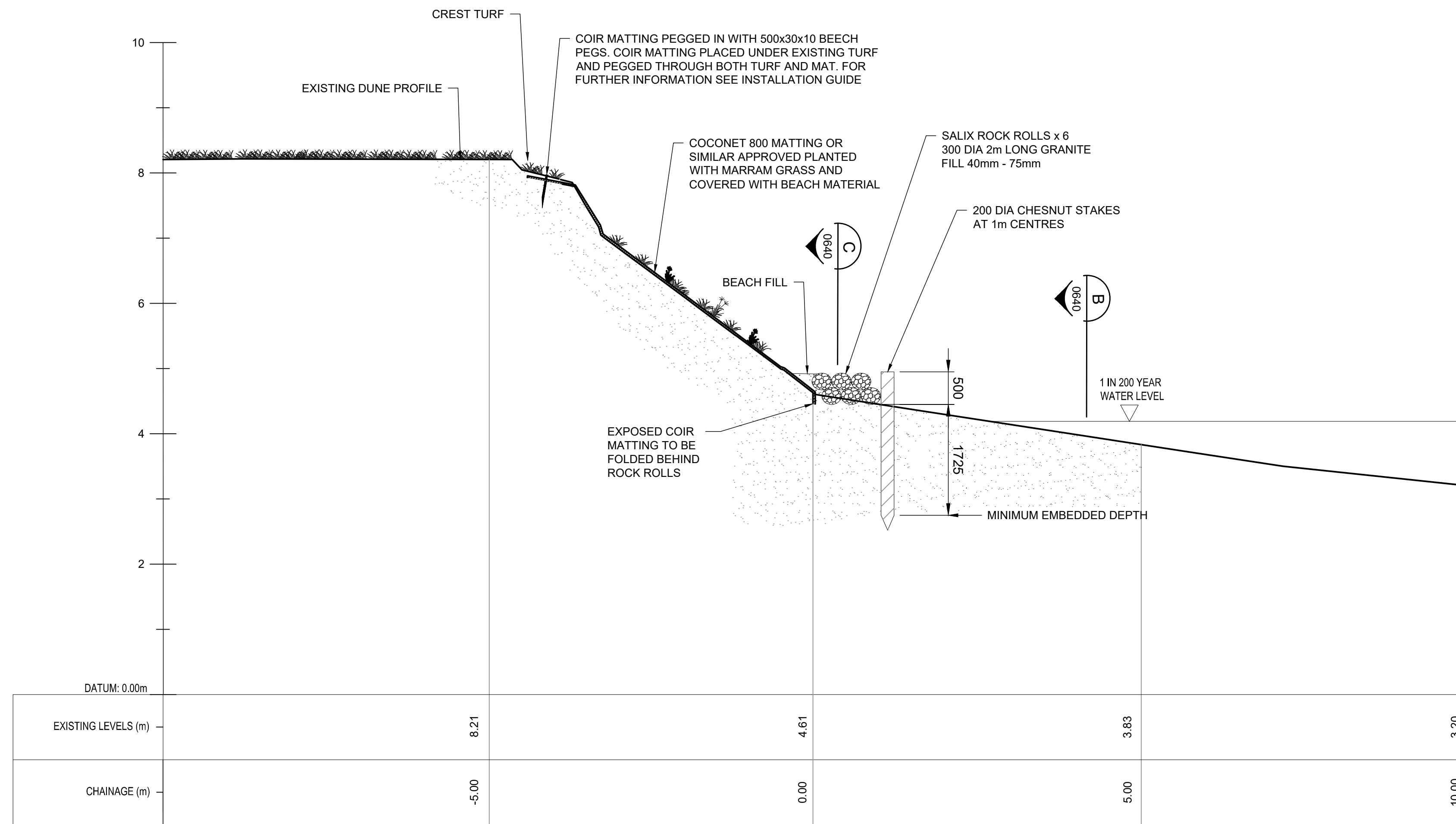
ARCADIS Design & Consultancy
 for national and multi-agency
 Registered office: Coordinating office:
 Arcadis House 680 Budshead Road
 34 York Way Crownhill
 London Plymouth PL6 5XR
 N1 9AB Tel: +44 (0)1752 689 000
 www.arcadis.com

TITLE:
SOUTH BEACH DUNE SECTIONS SHEET 2 OF 2

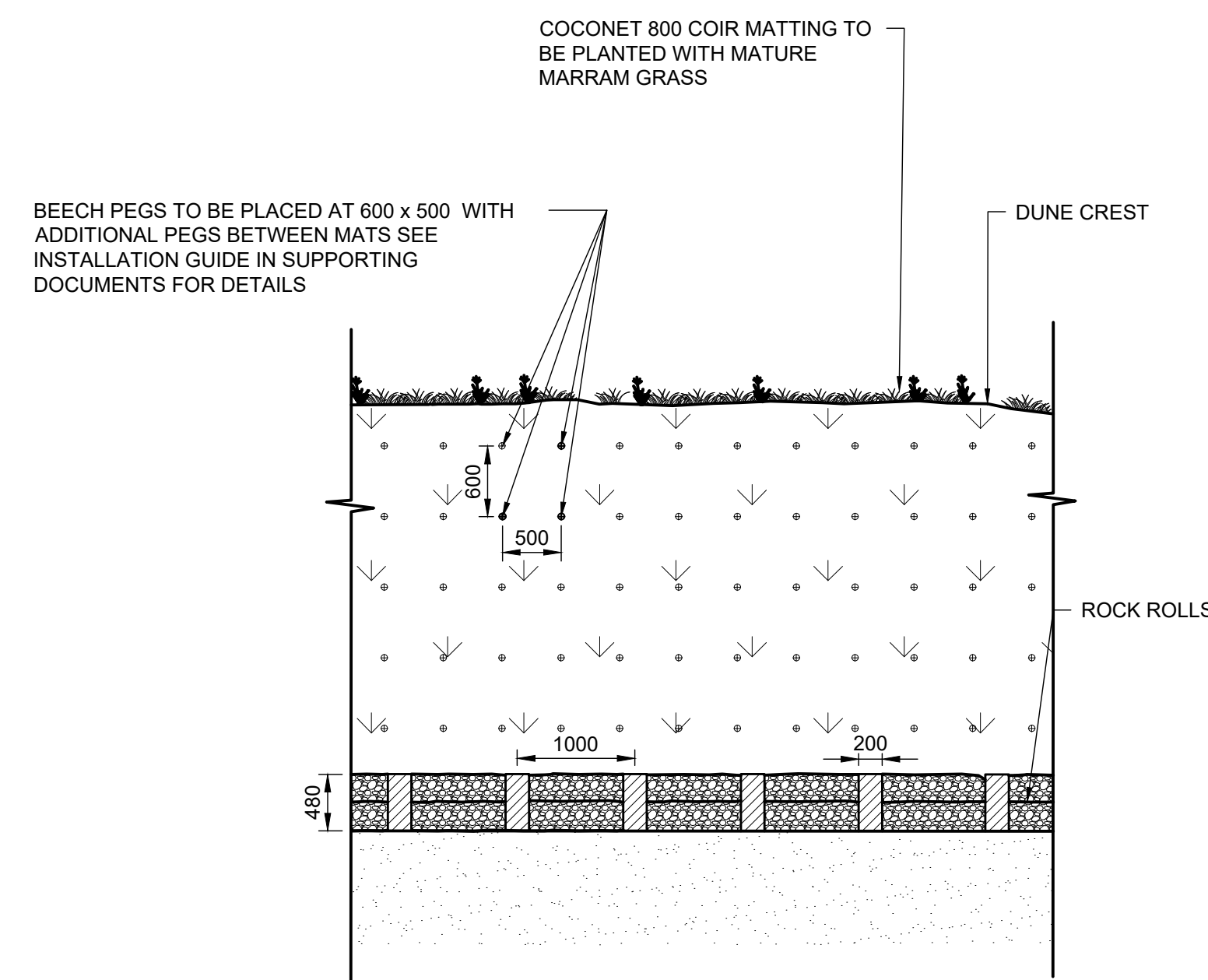
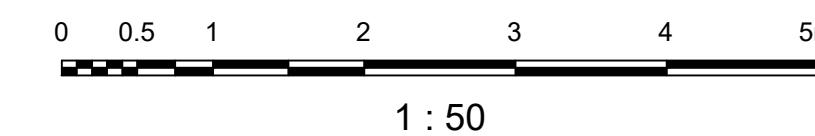
Designed	J.WATLING	Signed		Date	15SEP17
Drawn	E.BOLANOS	Signed		Date	15SEP17
Checked	M.CLAUSEN	Signed		Date	15SEP17
Approved	I.COOKE	Signed		Date	15SEP17
Scale:	AS SHOWN	Datum:	NEWLYN		
Original Size:	A1	Grid:	OS		
Suitability Code:	S2	Project Number:	UA008878		

Suitability Description:
ISSUED FOR INFORMATION

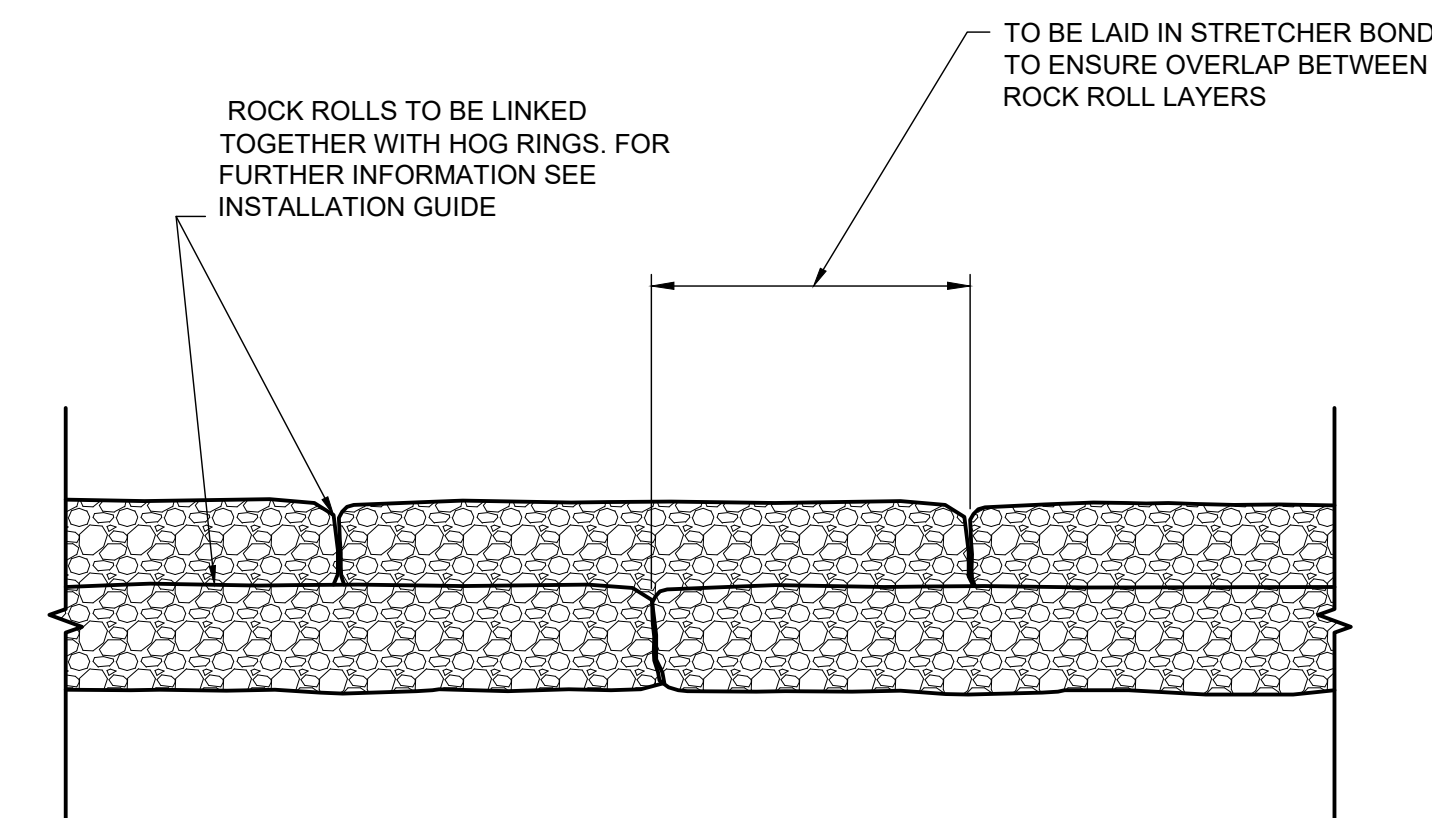
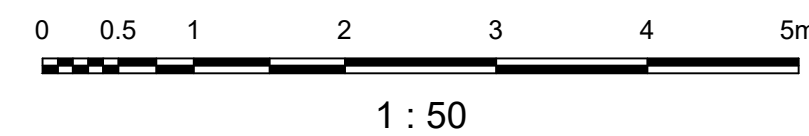
Drawing Number: UA008878-ARC-XX-XX-DR-CE-0641 Revision: P1



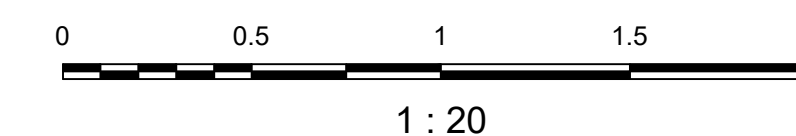
SECTION A
SCALE 1 : 50



ELEVATION B
SCALE 1 : 50



ELEVATION C
SCALE 1 : 20



- NOTES:
- THIS DRAWING IS NOT TO BE SCALED.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 - ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (ODN).
 - TIMBER TO BE FROM FSC SOURCES
 - FOR DETAILS OF ROCK ROLLS SEE SPECIFICATION

- LEGEND:
- TIMBER STAKES
 - COCONET 800 WITH MATURE PLANTING
 - ROCK ROLLS

P1	15SEP17	ISSUED FOR INFORMATION	HC	MC	IC
Rev	Date	Description	Drawn	Check	Approv

Client
COUNCIL OF THE ISLES OF SCILLY
PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME



Site
Isles of Scilly
South Dune Beach

Client
Council of the Isles of Scilly
Address
Town Hall
St Marys, Isles of Scilly, TR21 0LW
+44 (0)1720 424000
enquiries@scilly.gov.uk
http://www.scilly.gov.uk/



Registered office: Arcadis House, 34 York Way, London, N1 9AB
Coordinating office: 680 Budshhead Road, Crownhill, Plymouth PL6 5XR
Tel: +44 (0)1752 689 000

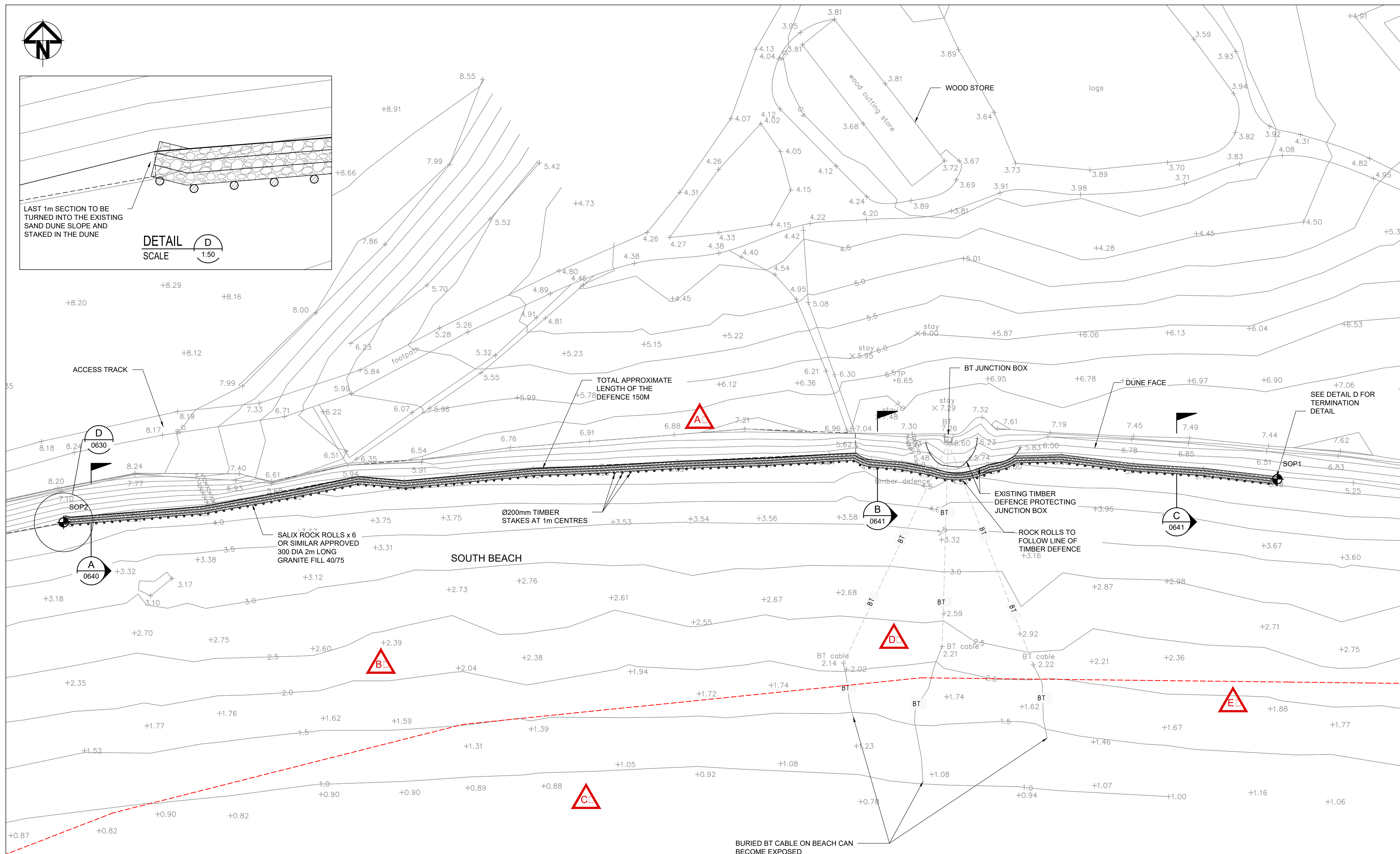
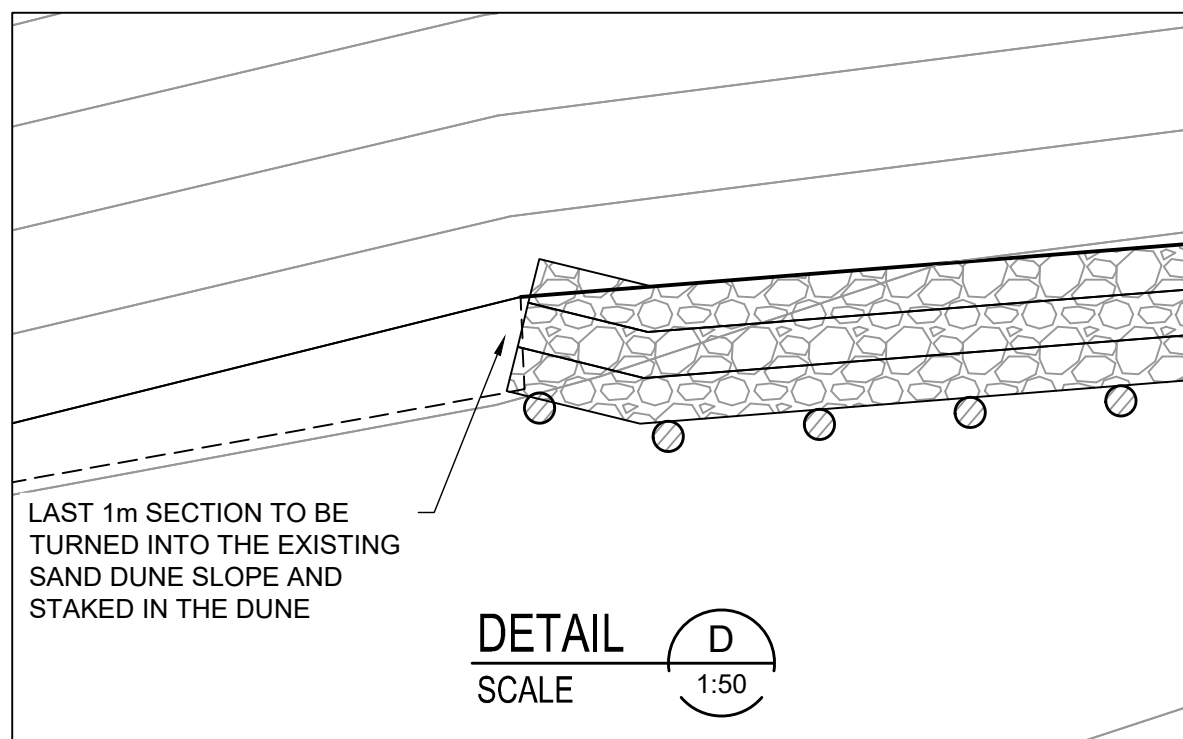
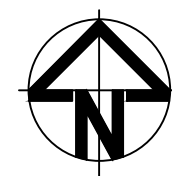
www.arcadis.com

TITLE:
SOUTH BEACH DUNE SECTIONS SHEET 1 OF 2

Designed	J.WATLING	Signed	[Signature]	Date	15SEP17
Drawn	H.CHAUDHRY	Signed	[Signature]	Date	15SEP17
Checked	M.CLAUSEN	Signed	[Signature]	Date	15SEP17
Approved	L.COOKE	Signed	[Signature]	Date	15SEP17
Scale:	AS SHOWN	Datum:	NEWLYN		
Original Size:	A1	Grid:	OS		
Suitability Code:	S2	Project Number:	UA008878		

ISSUED FOR INFORMATION

Drawing Number: UA008878-ARC-XX-XX-DR-CE-0640
Revision: P1



- NOTES:**
1. THIS DRAWING IS NOT TO BE SCALED.
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 3. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN (ODN).
 4. TIDE INFORMATION RELATIVE TO ODN
MHWS 2.79m
MLWN 1.39m
MLWN -0.91m
MLWS -2.21m
 5. SETTING OUT POINTS (SOP) TO NGR:
SOP 1: SV 89927 13907
SOP 2: SV 89794 13890

- LEGEND:**
- SSSI BOUNDARY
 - - - BT BURIED BT CABLE
 - - - BT EXPOSED BT CABLE
 - █ ROCK ROLLS

Rev	Date	Description	Drawn	Check	Approv
P1	15SEP17	ISSUED FOR INFORMATION	JW	MC	IC

Client
COUNCIL OF THE ISLES OF SCILLY

PROJECT:
ISLES OF SCILLY FLOOD DEFENCE AND DUNE MANAGEMENT SCHEME

Site
Isles of Scilly
South Dune Beach

Client
Council of the Isles of Scilly
Address
Town Hall
St Marys, Isles of Scilly, TR21 0LW
+44 (0)1720 424000
enquiries@scilly.gov.uk
http://www.scilly.gov.uk/

ARCADIS Design & Consultancy for natural and built assets

Registered office: Arcadis House, 34 York Way, London, N1 9AB
Coordinating office: 680 Budehead Road, Crowhill, Plymouth PL6 5XR
Tel: +44 (0)1752 689 000

www.arcadis.com

TITLE:
SOUTH BEACH DUNE SITE PLAN

Designed	J.WATLING	Signed	[Signature]	Date	15SEP17
Drawn	H.CHAUDHRY	Signed	[Signature]	Date	15SEP17
Checked	M. CLAUSEN	Signed	[Signature]	Date	15SEP17
Approved	I. COOKE	Signed	[Signature]	Date	15SEP17
Scale:	1:250	Datum:	NEWLYN		
Original Size:	A1	Grid:	OS		
Suitability Code:	S2	Project Number:	UA008878		

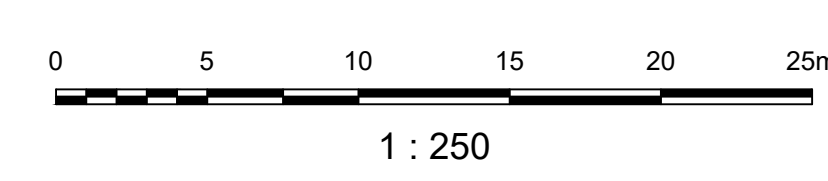
Suitability Description: **ISSUED FOR INFORMATION**

Drawing Number: UA008878-ARC-XX-DR-CE-0630
Revision: P1

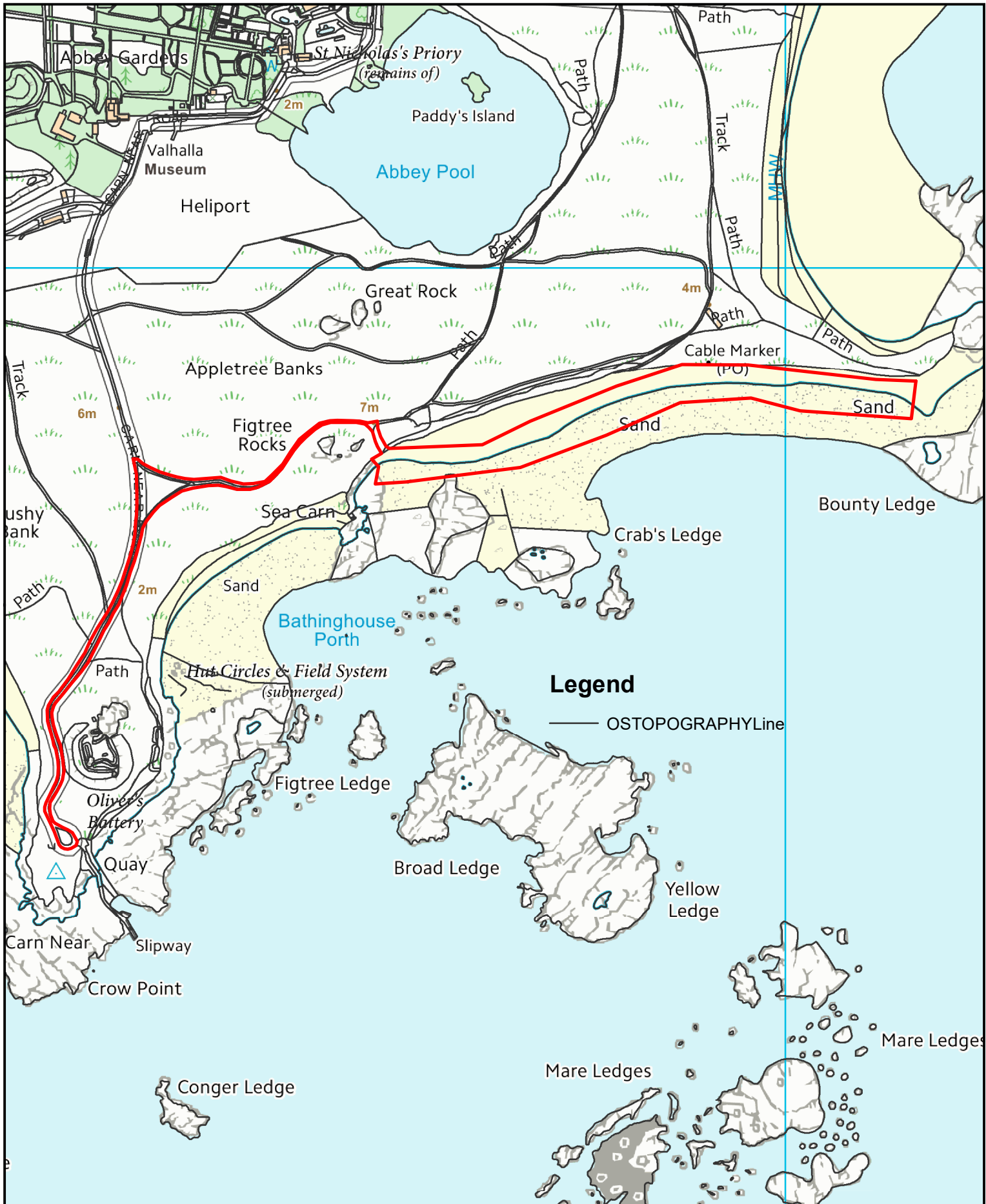
HAZARD WARNINGS

A: UNSTABLE DUNES.
B: PUBLIC BEACH
C: EXPOSED LOCATION
D: SERVICES - BT CABLES, PRESENT ON BEACH
E: ENVIRONMENTALLY SENSITIVE DUNE-DESIGNATED SSSI, AONB, RAMSAR

FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS HAZARD RECORD.
EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING. NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR.
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED THE CONTRACTOR SHOULD NOTIFY ALL THE RELEVANT PROJECT TEAM MEMBERS.

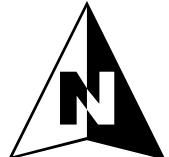


South Beach, Treasco



Legend

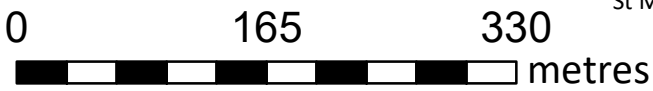
— OSTOPOGRAPHY Line



This product includes mapping data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office Crown copyright 2019. All rights reserved SLA Number 100024679

Date: 14/05/2019

1:5,000 @A4













Town Hall, The Parade,
St Mary's, Isles of Scilly, TR21 0LW



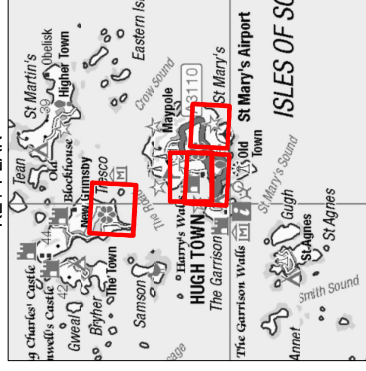
Council of the
ISLES OF SCILLY

LEGEND

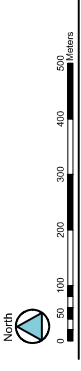
-  Site
-  500m boundary
-  Remainder and Special Protection Areas
-  Special Area of Conservation
-  Sites of Special Scientific Interest
-  Marine Conservation Zones
-  Bites of Scilly Coastal Waterbody
-  Scheduled Monuments
-  Labeled Buildings
-  Registered Park or Garden

N.B. Heritage Coast and AONB Designation covers entire extent of map, thereby not shown


KEY PLAN



Contains OS data © Crown copyright and database right (2015) Ordnance Survey 100003566



JBA consulting
 Kings Chambers
 Academy Street
 Newlyn
 Cornwall PL20 9AQ
 United Kingdom
 Tel: +44 (0)1905 415 414
 Fax: +44 (0)1905 427 172
 Email: info@jbaconsulting.co.uk

for

 Council of the
ISLES OF SCILLY

Isles of Scilly Environmental Constraints Plan

This document is the property of JBA Consulting. It is to be used for the purposes for which it is issued and no other use, reproduction or distribution is permitted without the prior written consent of JBA Consulting.

Scale: Drawn: MS 23/05/2019
 Checked: MC 23/05/2019
 Approved:

Digital File Name: 20190417 - Isles of Scilly Constraints Plan
 Drawing Number: Sheet No: 1 of 1
 Rev:

