

Highest Astronomical Tide (HAT)
Mean Low Water Neap (MLWN)

Mean Low Water Springs (MLWS)
Mean High Water Spring (MHWS)

Lowest Astronomical Tide (LAT)

Mean High Water Neap

-0.91 m OD

1.39 m OD

-2.21 m OD 2.79 m OD

-2.82 m OD

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## **NOTES**

UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METERS ABOVE ORDNANCE SURVEY DATUM (ST MARYS)

 THESE DRAWINGS ARE FOR OUTLINE DESIGN ONLY. ALL DETAILS, ARE TO BE CONFIRMED BY THE DETAILED DESIGNER. ANY STRUCTURAL OR GEOTECHNICAL DETAILS ARE PROVIDED ON THE BASIS OF ENGINEERING JUDGEMENT ONLY AT THIS STAGE.

3. THE PASSIVE SCREEN DOES NOT REQUIRE ANY SUPPORT. THE SCREEN IS SUPPORTED BY THE MOUNTING FLANGE, WITH LOADS TRANSFERRED TO THE PIPE.

4. THE MASS OF THE REINFORCED CONCRETE PCC STRUCTURE (WALLS + BASE) = 8.44 TONNES.

5. CLEARANCE ZONE AROUND INTAKE SCREEN AS PER SUPPLIERS INSTRUCTIONS FOR DETAILS SEE QUOTATION - 107780-PEF-WI-XX-TQU-M-0001.

6. THE FINAL COVER SELECTION IS TO BE AGREED FOLLOWING DEVELOPMENT AND DISCUSSION.

7. THICKNESS OF PCC CHAMBER WALLS AND FLOOR TBC BY SUPPLIER.

8. PROTECTION OF PIPEWORK TO BE AGREED AT A LATER STAGE.

## REFERENCE DRAWINGS

JHONSON SCREEN QUOTATION

107780-PEF-WI-XX-TQU-M-0001

ADMIRALTY TIDE TABLE (ATT) VOLUME 1 (FOR 2010)

BATHYMETRIC CONTOURS GEBCO

0m 0.4m 0.8m 1.2m 1.6m 2m

SCALE 1:20 @ A1

P01 FOR REVIEW & COMMENT
REV DESCRIPTION

NZ LMC CJ RN 19/06/24

REV DESCRIPTION

DRN DSN CHK APP DATE

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South West Water



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Project Status

OUTLINE DESIGN

Project

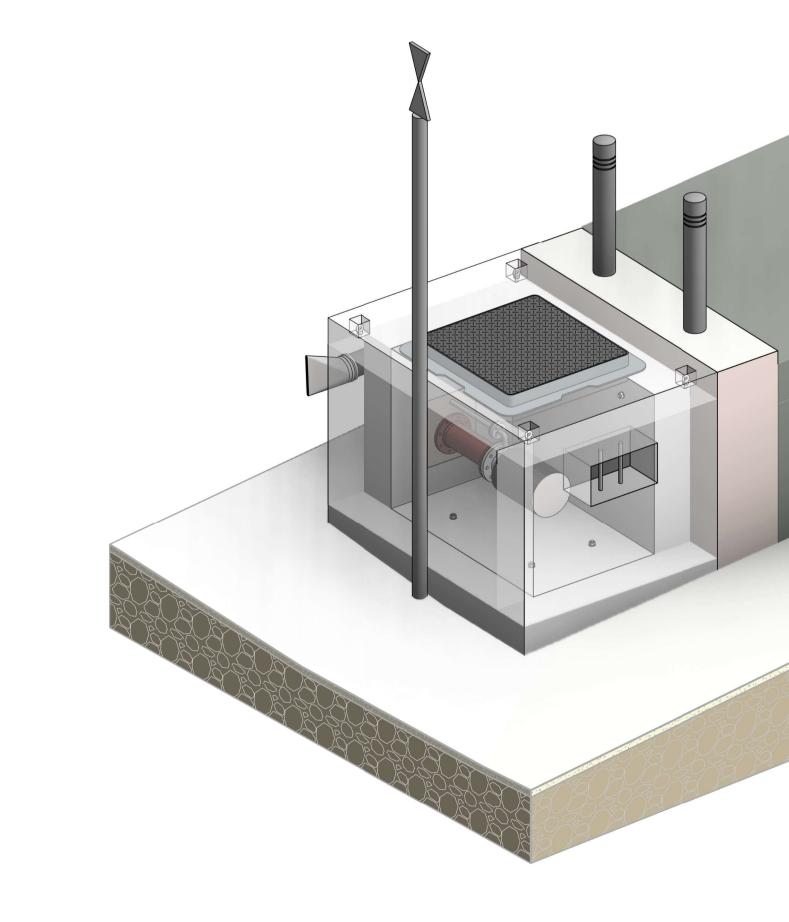
ISLES OF SCILLY CAPITAL DELIVERY PROGRAMME

Drawing Title

ST MARTINS INTAKE & OUTFALL CHAMBER GENERAL ARRANGEMENT

FOR REVIEW & COMMENT				
	Name	Date	Status Co	de S3
Drawn	N.Zaman	19/06/24		
Designed	L.Chinnock	19/06/24	Scale	1:100
Eng Chk	C.James	19/06/24	Revision	D0.4
Approved	R.Newell	19/06/24		P01
Drawing No.		<u>'</u>	•	

107780-PEF-WI-100-DDR-C-0100



PLAN 1 : 20

1000

1600

300

500

300

**DN150 TIDEFLEX VALVE** 

GRADE 316 ST.ST ACCESS COVER

NAVIGATION MARKER SECURED TO END OF INTAKE STRUCTURE

LIFTING EYES WITHIN REBATES ON

PCC CHAMBER - REBATES TO BE GROUTED FOLLOWING CHAMBER INSTALLATION

(NOTE 6)

DN150 FLANGE ADAPTOR

- BOLLARD CAST INTO WALL

CONCRETE WALL

**EXISTING QUAY** 

Exsiting Quay Stairs

1600D PE PIPEWORK

(NOTE 8)

INTAKE CHAMBER ISOMETRIC