

PROJECT: REPLACEMENT RETAINING WALLS

LOCATION: SWANAGE BOAT PARK, PEVERIL POINT ROAD, SWANAGE BH19 2AY

APPENDIX

A Utility Plans

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy.

It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

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KEY TO BT SYMBOLS

DP		Pole	
Planned DP		Planned Pole	
PCP		Joint Box	
Planned PCP		Change Of State	
Built		Split Coupling	
Planned		Duct Tee	
Inferred		Planned Box	
Building		Manhole	
Kiosk		Planned Manhole	
Hatchings		Cabinet	
		Planned Cabinet	

Other proposed plant is shown using dashed lines.
BT Symbols not listed above maybe disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation

BT Ref : KXQ03228W


Map Reference : (centre) SZ0388578612

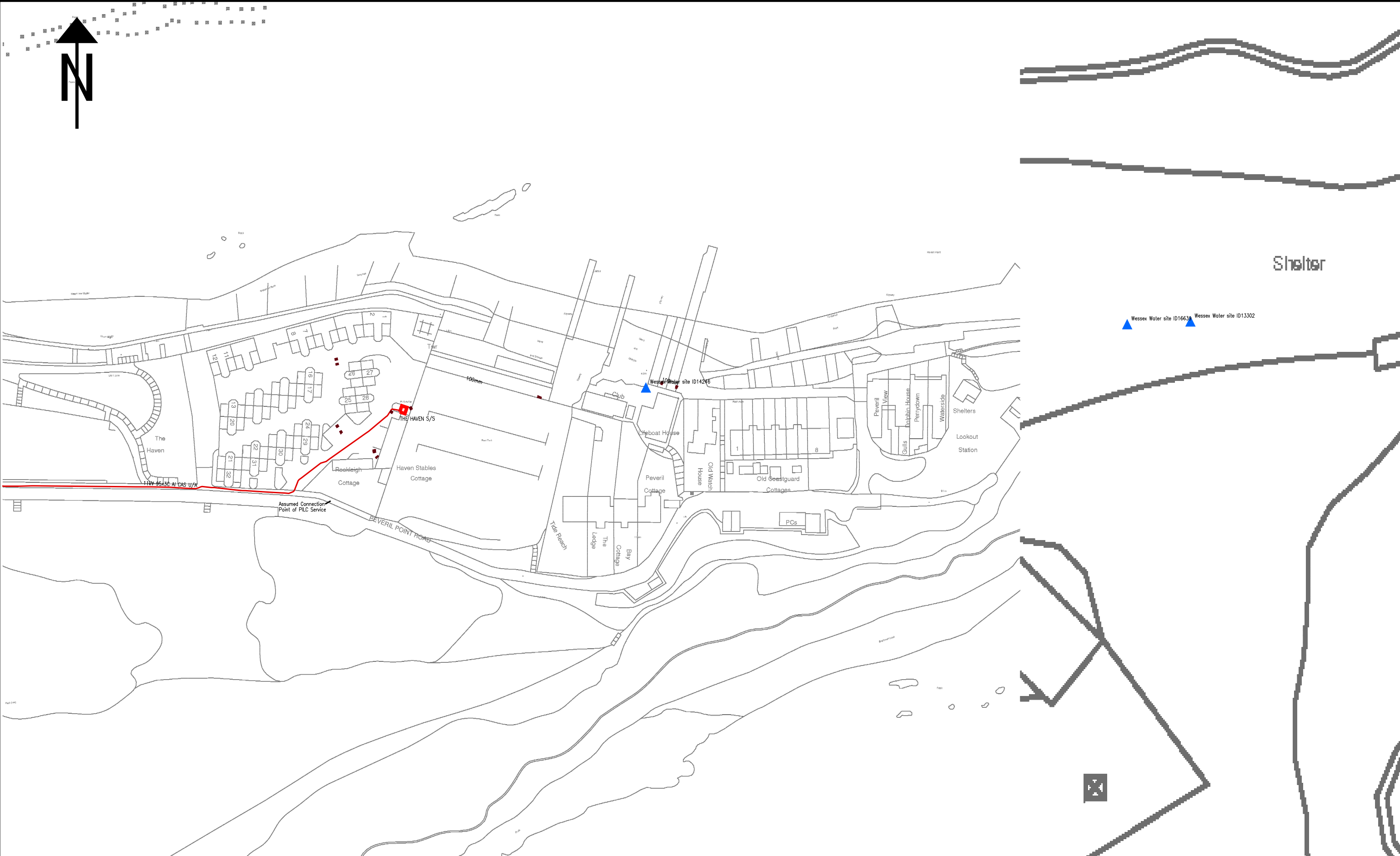
Easting/Northing : (centre) 403885,78612

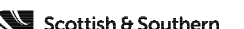
Issued : 04/10/2017 15:22:25

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID					<div>WARNING</div> <div>There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)</div> <div>WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE G56 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)</div>					BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.					<div> Scottish & Southern Electricity Networks</div>					
services	l.v.	h.v.	e.h.v.							This copy has been made by or with the authority of Southern Electric Power Distribution plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 ('the Act'). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner. Template: SIAS MRSWA COL A5 plot					lv_1250_500					Grid Ref: sz03887861
FOOTPATH	0.40m	0.45m	0.60m	0.75m		Southern Electric Power Distribution plc. Registered in England No. 04094280 Registered Office: No. 1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH					POOLE 01202-784600					Scale: 1:1250				
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m							UNCONTROLLED COPY					Date: 04/10/2017				
l.v./services	– up to 1000V.				Subject to Revision Master held at						LV									
h.v.	– over 1000V. to 11,000V.																			
e.h.v.	– 22,000V. to 132,000V.																			



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID					<div>WARNING</div> <div>There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)</div> <div>WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)</div>		BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED. This copy has been made by or with the authority of Southern Electric Power Distribution plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 (‘the Act’). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner. Template: SIAS MRSWA COL A5 plot			
services	l.v.	h.v.	e.h.v.							
FOOTPATH	0.40m	0.45m	0.60m	0.75m					hv_1250_500	Grid Ref: sz03887861
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m					POOLE 01202-784600	Scale: 1:1250
l.v./services	– up to 1000V.									Date: 04/10/2017
h.v.	– over 1000V. to 11,000V.									
e.h.v.	– 22,000V. to 132,000V.									HV
					Southern Electric Power Distribution plc. Registered in England No. 04094280 Registered Office: No. 1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH		UNCONTROLLED COPY Subject to Revision Master held at			

Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 13/10/2017
Job Reference: 11413404
Site Location: 403912 78612
Requested by:
Ms Vivienne Berry
Your Scheme/Reference:
Swanage BP
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 91201722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
History Data
LAs

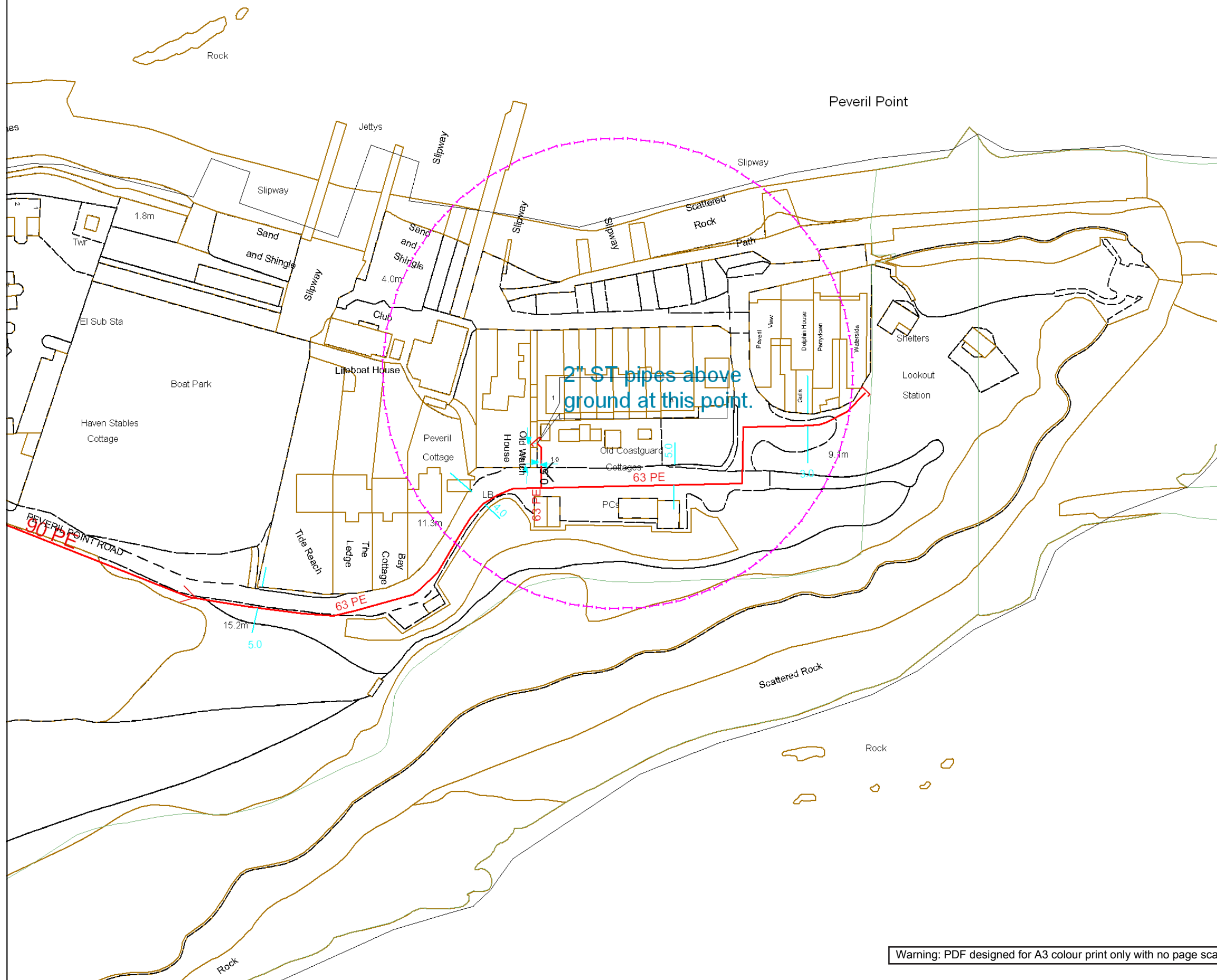
GTs SSSIs

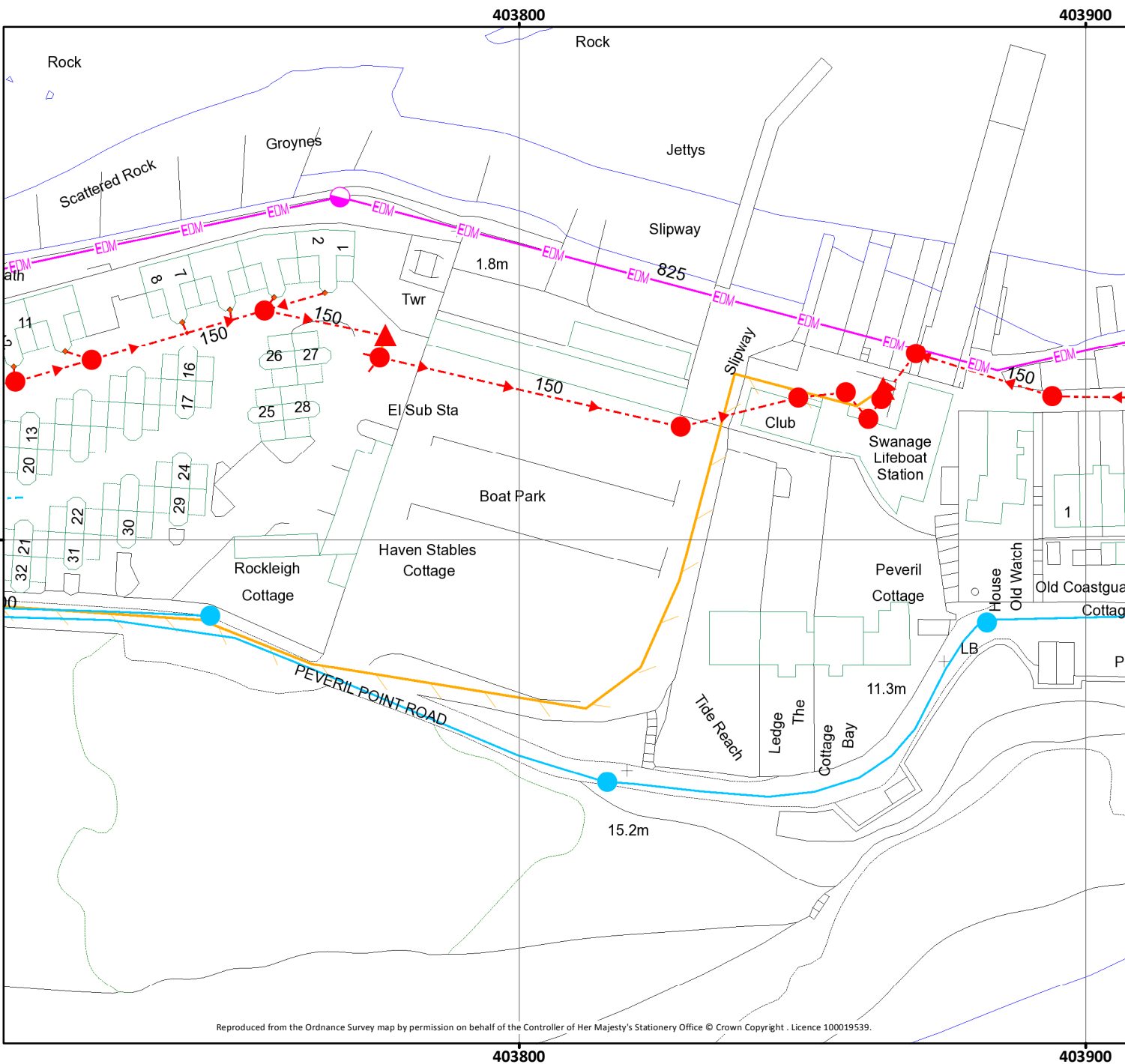
Some Examples Of Plant Items

Valve Syphon Depth of Cover Diameter Change Material Change



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WASTE

PUBLIC SEWERS

- Foul Sewer
- Surface Water Sewer
- Combined Sewer
- Rising Main
- Syphon
- Overflow
- Use Unknown

OTHER STRUCTURES

- Attenuation Tank
- Storage Tank
- Chamber
- Tunnel
- Interceptor

NON-PUBLIC SEWERS & PIPELINES

- Private Sewer/Drain
- Highway Drain
- Culverted Watercourse
- Abandoned Sewer
- Status Unknown
- Section 104 - Foul
- Section 104 - Surface
- Section 104 - Combined
- Private Rising Main
- Effluent Disposal Main

STRUCTURES

- Manhole - Foul
- Manhole - Surface
- Manhole - Combined
- Outfall
- Inlet
- Lamphole
- Bifurcation - Foul
- Bifurcation - Surface
- Bifurcation - Combined
- Combined Sewage Overflow
- Pumping Station - Surface
- Pumping Stn - Foul/Combined
- Gully
- Vent Column
- Rodding Eye
- Catchpit
- Flushing Chamber
- Soakaway
- Non Return Valve
- Air Valve
- Washout
- Hatch Box

Colours generally indicate the use of the sewer/drain (i.e Red - Foul, Dark Blue - Surface, Magenta - Combined/Dual Use, Light Green - Highway Drain, Mid Green - Overflow) styles of line are shown on the key in sample/typical colours.

SUPPLY

WATER MAINS

- Distribution Main
- Washout Main
- Raw Water Main
- Abandoned Main
- Private Main

FITTINGS

- Fire Hydrant
- Washout Hydrant
- Other Fitting

Printed: 04/10/2017

Map Scale - 1:1000

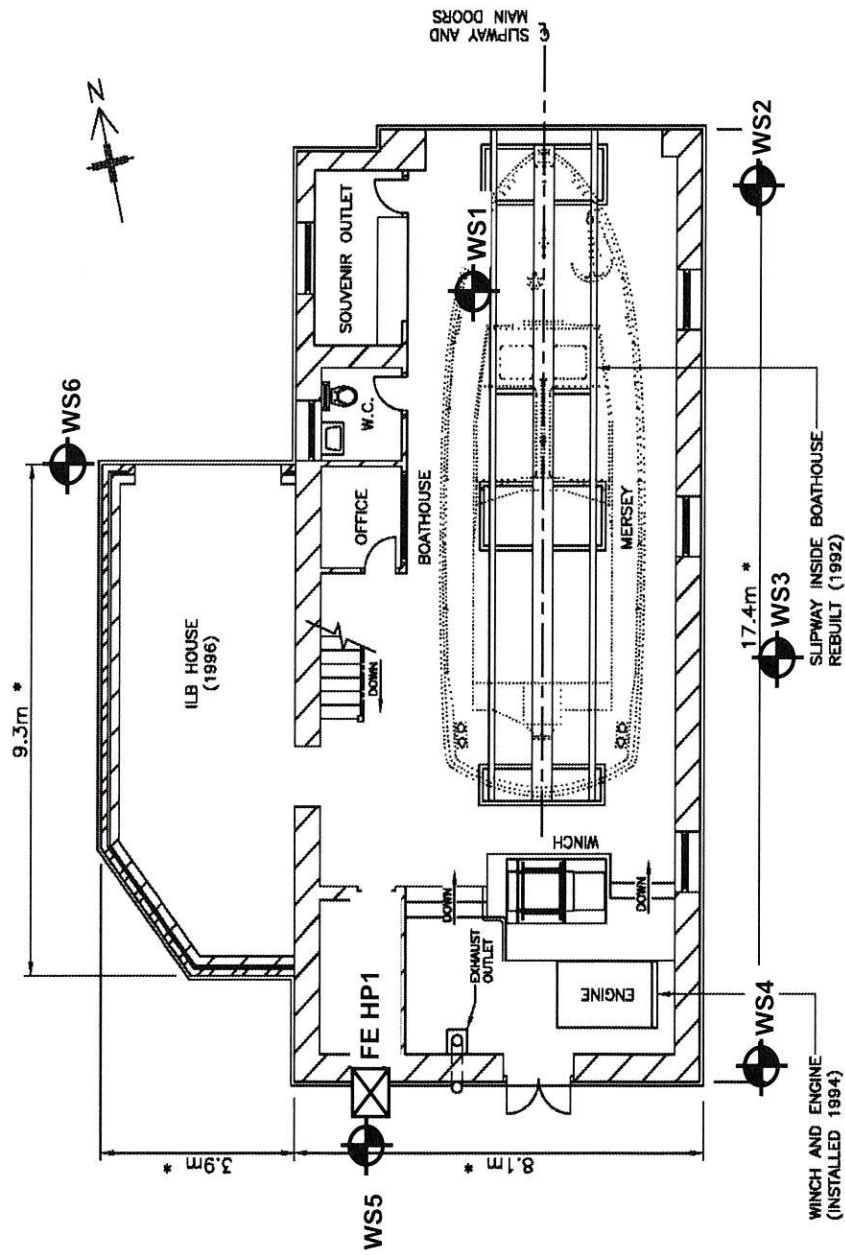
Information in this plan is provided for identification purposes only. No warranty as to accuracy is given or implied. The precise route of pipe work may not exactly match that shown. Wessex Water does not accept liability for inaccuracies. Sewers and lateral drains adopted by Wessex Water under the Water Industry (Schemes for Adoption of Private Sewers) Regulations 2011 are to be plotted over time and may not yet be shown. In carrying out any works, you accept liability for the cost of any repairs to Wessex Water apparatus damaged as a result of your works. You are advised to commence excavations using hand tools only. Mechanical digging equipment should not be used until pipe work has been precisely located. If you are considering any form of building works and pipe work is shown within the boundary of your property or a property to be purchased (or very close by) a surveyor should plot its exact position prior to commencing works or purchase. Building over or near Wessex Water's apparatus is not normally permitted.

PROJECT: REPLACEMENT RETAINING WALLS

LOCATION: SWANAGE BOAT PARK, PEVERIL POINT ROAD, SWANAGE BH19 2AY

APPENDIX

B RNLI Swanage Bore Hole Report



 WS Window sample borehole
  FE Foundation exposure

Project:	RNLI Swanage	Title	Exploratory Hole Location Plan
Client:	RNLI Swanage	Geo-Environmental Services Ltd	
Ref No:	GE8173	Revision:	0
Drawn:	GR	Date:	02/08/2011
Figure:	2	Scale:	Not To Scale







Geo-Environmental

SAMPLING & TESTING		STRATA DESCRIPTION	STRATA			
			Legend	mOD	mBGL	Water S/Pipe
		Reinforced CONCRETE.			(0.35)	
0.50	HPEN=5.0kg/cm2	Light grey-brown medium sandy silt with coarse gravel of concrete. (MADE GROUND).			0.35	
0.50	D(001)				(0.15)	
		Very stiff grey and orange-brown mottled clayey SILT. (DRIFT).			0.50	
					(0.40)	
1.00	HPEN=3.3kg/cm2	Very stiff grey silty CLAY. (PURBECK BEDS).			0.90	
1.00	D(002)					
1.50	HPEN=3.3kg/cm2					
1.50	D(003)					
2.00	HPEN=2.0kg/cm2				(2.10)	
2.00	D(004)					
2.50	HPEN=3.5kg/cm2					
2.50	D(005)					
3.00	Refusal in orange-brown mudstone	End of Borehole at 3.00 m			3.00	
3.00	HPEN=3.8kg/cm2					
3.00	D(006)					

SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: ▽ =strike ▽ =rest OTHERS: (2.00)=strata

Stability:	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8173	Position: WS1
Groundwater: No Groundwater Encountered	Method:	Start: 01/08/2011	Scale: 1:30
		Finish: 01/08/2011	Size:
Plant:	Project: RNLI Swanage	Filled: -	Depth: 3.00mBGL
		Eng: EGMN	Level: -
Remarks:	Client: RNLI	Drawn:	Figure: FIG
		Ckd: EGMN	Sheet: Sheet 1 of 1

SAMPLING & TESTING		STRATA DESCRIPTION	STRATA			
			Legend	mOD	mBGL	Water
0.20	D(001)	Dark brown silty clay with occasional fine gravel of brick and fine roots. (MADE GROUND).			(0.50)	
0.50	HPEN=2.0kg/cm2				0.50	
0.50	D(002)	Stiff grey and orange-brown mottled clayey SILT. (PURBECK BEDS).			(0.45)	
1.00	HPEN=5.0kg/cm2				0.95	
1.00	D(003)	Weak light grey MUDSTONE. (PURBECK BEDS).			1.00	
		Very stiff to hard grey and orange-brown mottled clayey SILT. (PURBECK BEDS).				
1.50	D(004)					
2.00	HPEN=5.0kg/cm2				(2.00)	
2.00	D(005)					
2.50	HPEN=5.0kg/cm2					
2.50	D(006)					
3.00	Refusal in orange-brown mudstone	End of Borehole at 3.00 m			3.00	
3.00	HPEN=3.8kg/cm2					
3.00	D(007)					














SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: ▽=strike ▴=rest OTHERS: (2.00)=strata

Stability:	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8173	Position: WS2
Groundwater: No Groundwater Encountered	Method:	Start: 01/08/2011	Scale: 1:30
		Finish: 01/08/2011	Size:
Plant:	Project: RNLI Swanage	Filled: -	Depth: 3.00mBGL
		Eng: EGMN	Level: -
Remarks:	Client: RNLI	Drawn:	Figure: FIG
		Ckd: EGMN	Sheet: Sheet 1 of 1

SAMPLING & TESTING		STRATA DESCRIPTION	STRATA			
			Legend	mOD	mBGL	Water S/Pipe
0.20	D(001)	Dark brown clayey sandy silt with fine gravel of brick and concrete. (MADE GROUND).			(0.30)	
0.50	HPEN=4.0kg/cm2	Stiff to very stiff grey-brown and orange-brown mottled slightly fine sandy silty CLAY. (PURBECK BEDS).			0.30	
0.50	D(002)					
1.00	HPEN=1.8kg/cm2					
1.00	D(003)				(1.80)	
1.50	HPEN=1.8kg/cm2					
1.50	D(004)					
2.00	HPEN=2.3kg/cm2	Weak grey and orange-brown mottled MUDSTONE. (PURBECK BEDS).			2.10	
2.00	D(005)				(0.35)	
2.45	Refusal within mudstone.	End of Borehole at 2.45 m			2.45	
2.45	HPEN=5.0kg/cm2					
2.45	D(006)					

SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: ▽ =strike ▼ =rest OTHERS: (2.00)=strata

Stability:	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8173	Position: WS3
Groundwater: Strike at 2.00m; 2.00 after 20mins	Method:	Start: 01/08/2011	Scale: 1:30
		Finish: 01/08/2011	Size:
Plant:	Project: RNLI Swanage	Filled: -	Depth: 2.45mBGL
		Eng: EGMN	Level: -
Remarks:	Client: RNLI	Drawn:	Figure: FIG
		Ckd: EGMN	Sheet: Sheet 1 of 1















































SAMPLING & TESTING		STRATA DESCRIPTION	STRATA			
			Legend	mOD	mBGL	Water
0.20	D(001)	Dark brown sandy silt with much coarse gravel of brick and concrete with ash slate tile fragments and rootlets. (MADE GROUND).			(0.20)	
0.50	HPEN=2.3kg/cm2	Stiff to very stiff grey-brown and orange-brown mottled slightly fine sandy silty CLAY. (PURBECK BEDS).			0.20	
0.50	D(002)					
1.00	HPEN=3.0kg/cm2					
1.00	D(003)				(1.90)	
1.50	HPEN=2.0kg/cm2	Weak grey-brown and orange-brown mottled MUDSTONE. (PURBECK BEDS).				
1.50	D(004)					
2.00	HPEN=4.5kg/cm2				2.10	
2.00	D(005)					
2.50	HPEN=3.3kg/cm2	End of Borehole at 2.90 m			(0.80)	
2.50	D(006)					
2.90	HPEN=4.0kg/cm2				2.90	
2.90	D(002)					

SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: ▽ =strike ▼ =rest OTHERS: (2.00)=strata

Stability:	Type:	Ref:	Position:
	Hydraulic Window Sampler Geoprobe	GE8173	WS4
Groundwater:	Method:	Start:	Scale: 1:30
No Groundwater Encountered		01/08/2011	
		Finish:	Size:
		01/08/2011	
Plant:	Project:	Filled:	Depth: 2.90mBGL
	RNLI Swanage	-	
		Eng:	Level: -
		EGMN	
Remarks:	Client:	Drawn:	Figure: FIG
	RNLI		
		Ckd:	Sheet: Sheet 1 of 1
		EGMN	

SAMPLES: D=disturbed B=bulk U=undisturbed TESTS: MAC=macintosh IVAN=vane HPEN=penetrometer SPT=split-spoon CPT=cone WATER: ▽=strike ▼=rest OTHERS: (2.00)=strata

Stability:	Type: Hydraulic Window Sampler Geoprobe	Ref: GE8173	Position: WS5
Groundwater: No Groundwater Encountered	Method:	Start: 01/08/2011	Scale: 1:30
		Finish: 01/08/2011	Size:
Plant:	Project: RNLI Swanage	Filled: -	Depth: 0.60mBGL
		Eng: EGMN	Level: -
Remarks:	Client: RNLI	Drawn:	Figure: FIG
		Ckd: EGMN	Sheet: Sheet 1 of 1

SAMPLING & TESTING		STRATA DESCRIPTION		STRATA			
				Legend	mOD	mBGL	Water
		Tarmacaddam.				(0.15)	
		Light grey-brown medium sandy silt with coarse gravel of concrete. (MADE GROUND).				0.15	
		Very stiff grey and orange-brown mottled clayey SILT. (DRIFT).				(0.35)	
						0.50	
						(0.40)	
		Very stiff grey silty CLAY. (PURBECK BEDS).				0.90	
							
							
							
						(1.70)	
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							

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LOCATION: SWANAGE BOAT PARK, PEVERIL POINT ROAD, SWANAGE BH19 2AY

APPENDIX

C Smith Foster Schedule of Significant Risks

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



By	IF
Date	Jun-17

Tel +44 (0) 1202 540888
Fax +44 (0) 1202 540044
e-mail eng@smithfoster.com

Consulting Civil and Structural Engineers
Suite 8 , Branksome Park House
Branksome Business Park
Bourne Valley Road
Poole, BH12 1ED

Project:	Swanage Boat Park, Peverill Road, Swanage	Project No: 69010/63924	Page No: 1
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Notes

This risk assessment is based upon the recommendations in "Managing for Health and Safety in Construction - 2015" published by the Health and Safety Commission.

In undertaking the design, the designer has attempted to eliminate or minimise as far as possible the Health and Safety risks associated with the construction and maintenance of the structures.

This document has been compiled to aid the Contractor in dealing with the risks that remain as effectively as possible. The Contractor should however be aware that the final proposals involved making a judgement balancing practicalities, cost and other design constraints.

Details of the project proposals are provided in the contract documentation.

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



Consulting Civil and Structural Engineers

Suite 8 , Branksome Park House

Branksome Business Park

Bourne Valley Road

Poole, BH12 1ED

By	IF
Date	Jun-17

Tel +44 (0) 1202 540888

Fax +44 (0) 1202 540044

e-mail eng@smithfoster.com

Project	Swanage Boat Park, Peverill Road, Swanage	Project No	69010/63924	Page No	2
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Activity	Hazard	Mitigation/Action by Designer	Remaining risk to be managed on site by others
Excavations and Foundations	Collapse Live/buried services	Existing block work retaining wall considered to be unstable. Replacement retaining wall detailed to allow construction in sections to minimise extent of exposed excavation. Trial excavation to be dug as part of demolition of existing retaining walls to determine safe angle of temporary batter. Refer to extracts from Ground Investigation Report by Geo-Environmental for adjacent Lifeboat Station	Check for live/buried services Contractor to obtain available information on existing services and supplement with site survey. Services are to be identified and marked on site prior to excavation works Temporary works to be designed by Contractor to suit ground conditions.

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



Consulting Civil and Structural Engineers

Suite 8 , Branksome Park House

Branksome Business Park

Bourne Valley Road

Poole, BH12 1ED

By	IF
Date	Jun-17

Tel +44 (0) 1202 540888

Fax +44 (0) 1202 540044

e-mail eng@smithfoster.com

Project	Swanage Boat Park, Peverill Road, Swanage	Project No	69010/63924	Page No	3
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Activity	Hazard	Mitigation/Action by Designer	Remaining risk to be managed on site by others
Insitu Concrete	Manual handling / lifting	Insitu concrete retaining wall considered most appropriate due to sloping ground surfaces.	Temporary works to be designed by Contractor
	Harmful Substances		Appropriate personal protective equipment to be provided
	Vibration		The use of concrete vibrators to be organised to avoid over-use by individual operators
		Rebar size and lengths kept to a minimum to facilitate handling and installation in confined excavations	Protect ends of exposed reinforcing bars

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



Consulting Civil and Structural Engineers

Suite 8 , Branksome Park House

Branksome Business Park

Bourne Valley Road

Poole, BH12 1ED

By	IF
Date	Jun-17

Tel +44 (0) 1202 540888

Fax +44 (0) 1202 540044

e-mail eng@smithfoster.com

Project	Swanage Boat Park, Peverill Road, Swanage	Project No	69010/63924	Page No	4
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Activity	Hazard	Mitigation/Action by Designer	Remaining risk to be managed on site by others
Masonry	Manual handling	Works require removal and relaying of existing stonework coping	Adequate access platforms to be provided to allow safe working at required height

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



By	IF
Date	Jun-17

Tel +44 (0) 1202 540888
Fax +44 (0) 1202 540044
e-mail eng@smithfoster.com

Consulting Civil and Structural Engineers
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Branksome Business Park
Bourne Valley Road
Poole, BH12 1ED

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Activity	Hazard	Mitigation/Action by Designer	Remaining risk to be managed on site by others
Balustrading	Manual handling/lifting Temporary stability Use of power tools Working at height	Craneage and/or lifting equipment to be used for handling of palletted material None	Check adequacy of ground for plant etc. Suitable PPE to be worn Adequate access platforms to be provided and fall arrest systems

SCHEDULE OF SIGNIFICANT RESIDUAL RISKS



By	IF
Date	Jun-17

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Activity	Hazard	Mitigation/Action by Designer	Remaining risk to be managed on site by others
Drainage	Trench excavation and collapse	<p>Drains generally kept less than 1.3m deep.</p> <p>None</p>	<p>Method statement required for all drainage works</p> <p>Trial pit required to determine depth of sewer</p> <p>Surface drain runs to cross existing foul sewer</p> <p>Check for live/buried services</p> <p>Contractor to obtain available information on existing services and supplement with site survey.</p> <p>Services are to be identified and marked on site prior to excavation works</p> <p>The Contractor is to record for the Health and Safety file any variation between the information/drawings provided and positions of buried services on site.</p> <p>Temporary works to be designed by contractor</p>

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Maintenance and Alterations

Every effort has been made in the design of the works to minimise maintenance of the Civil and Structural elements. Assuming that the finishes are maintained in a sound and weathertight condition the only structural elements requiring attention will be the balustrading. The protection of the steelwork is such that the period to first maintenance is likely to be five years.

In view of this it has been assumed that this maintenance will be carried out from temporary or mobile scaffolding, therefore no provision has been incorporated in the permanent structure for these works.

The balustrade is not intended to provide compliant pedestrian or vehicular containment in accordance with the Building Regulations.

No alterations should be carried out until the design has been checked by a competent engineer to ensure that the load bearing capacity and structural integrity of the structure are not affected.

Roads and inspection chambers should be visually inspected annually as part of a regular maintenance programme. No provision has been incorporated in the permanent works for this operation therefore normal temporary procedures must be adopted.

Future Demolition

Demolition of the structures should be carried out in strict accordance with normal Health and Safety procedures.

A check should be made to establish whether any alterations have been made to the structure, and if so whether any special demolition procedures need to be adopted.

This risk assessment has been based upon information that has been reasonably available during the design period. These hazards and risks should be reassessed by the Principal Contractor at the commencement of the works.

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Geotechnical/Environmental/Specialist Works

Any geotechnical and environmental audits of the site as made available to Smith Foster Ltd are included in the Contract Documents

Specialist advice is likely to be required in regard to the following

Balustrading

Reference should be made to the manufacturers/suppliers details for specific Health and Safety requirements for any of these elements

For Smith Foster Limited

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