



Key

Site Location
(SZ 7194 9977)

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Samuel House, 5 Fox Valley Way, Stocksbridge, Sheffield, S36 2AA

CLIENT:
Gladman Developments

SCALE:
1:20,000@A3

PROJECT REF:
SHF.1132.142

DRAWN:
NP

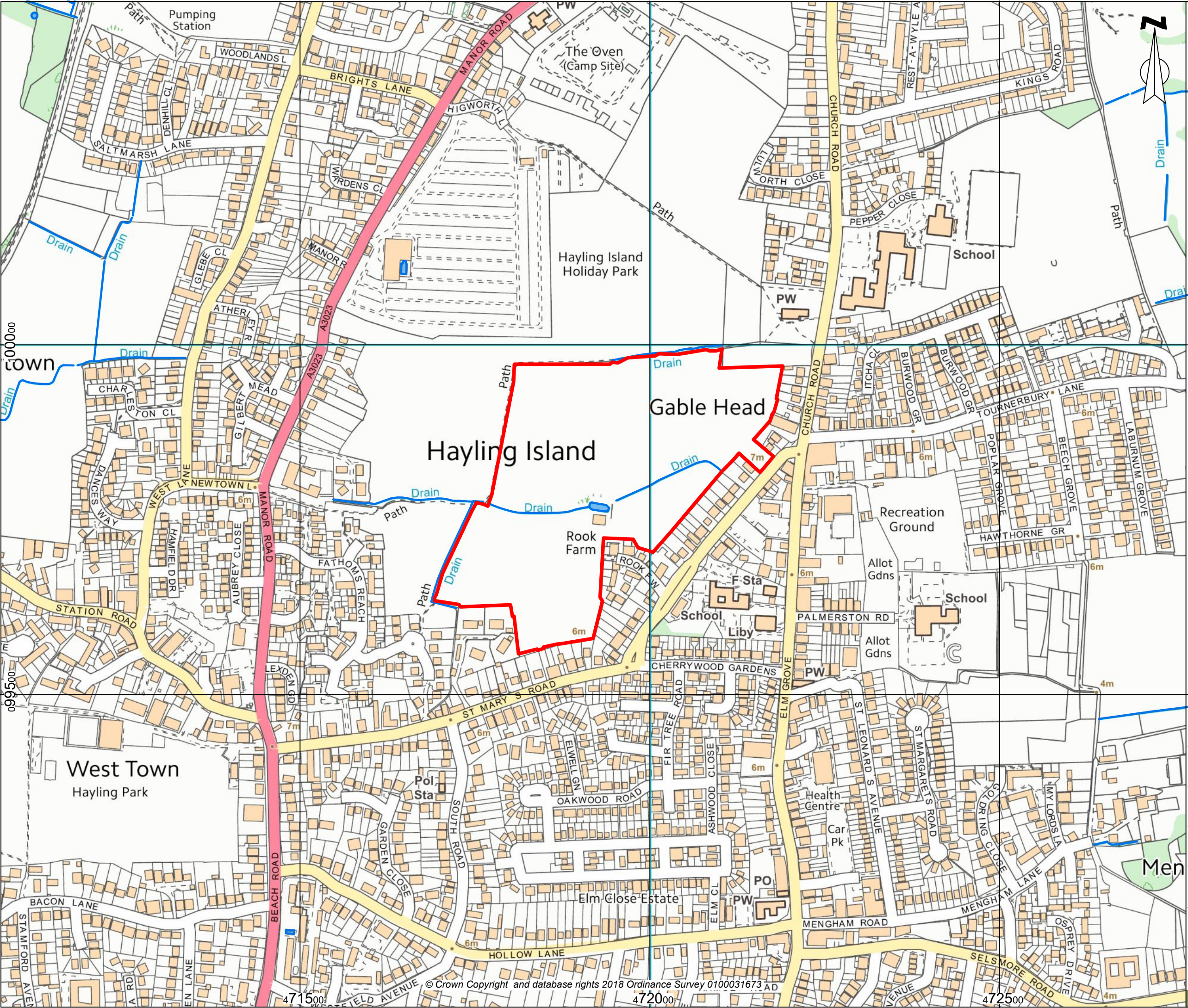
CHECKED:
AL

DATE:
Mar 2018

PROJECT:
St Mary's Road, Hayling Island

TITLE:
Site Location Plan

DRAWING NO:
SHF.1132.142.HY.D.001



Key

Developable Area

Surface Water Features

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CLIENT:

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SCALE:

1:5,000@A3

PROJECT REF:

SHF.1132.142

DRAWN:

NP

CHECKED:

AL

DATE:

Mar 2018

PROJECT:

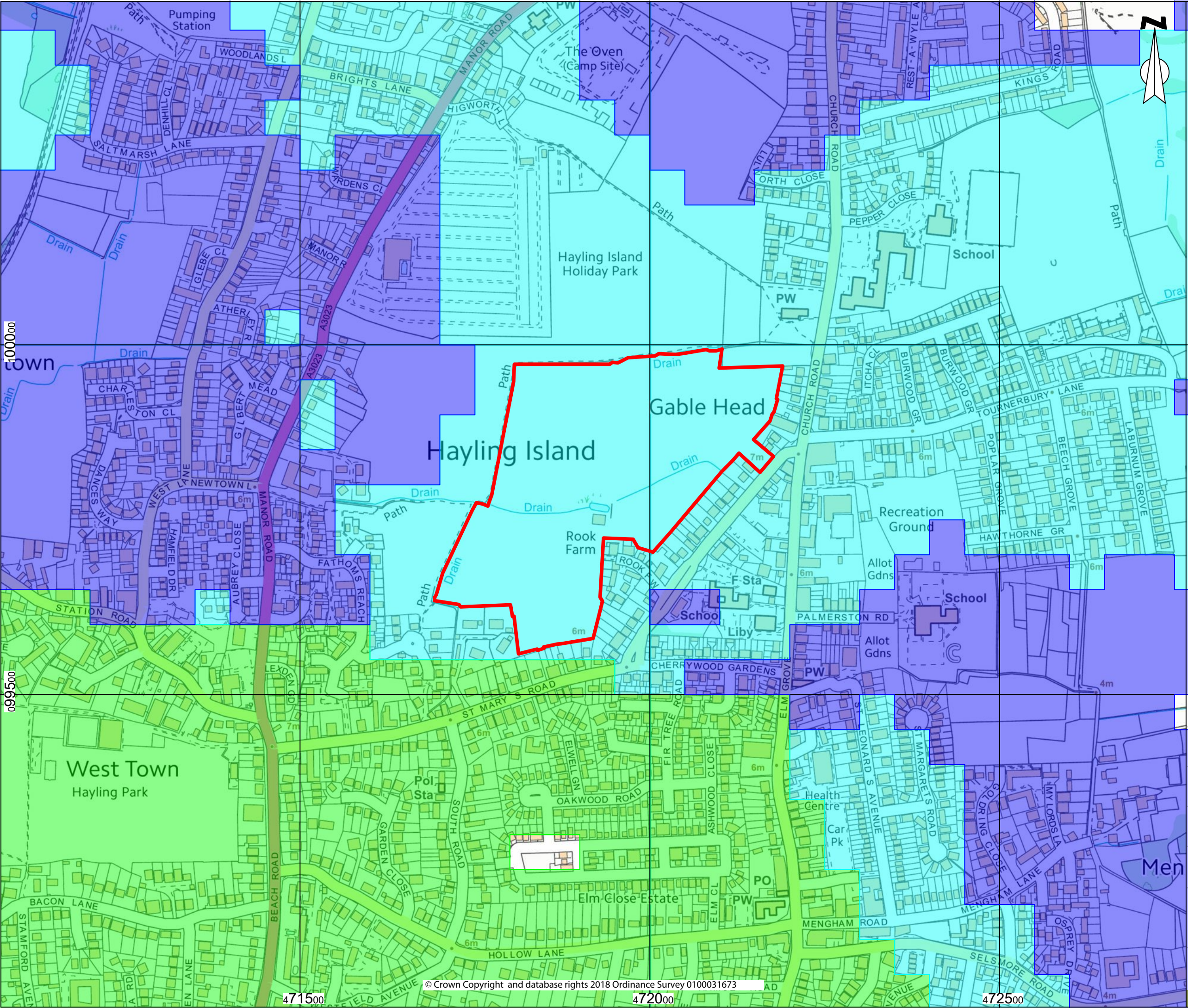
St Mary's Road, Hayling Island

TITLE:

Surface Water Features

DRAWING NO:

SHF.1132.142.HY.D.002



Key

Site Boundary

Potential for Groundwater Flooding to Occur at Surface

Potential for Groundwater Flooding of Property Situated Below Ground Level

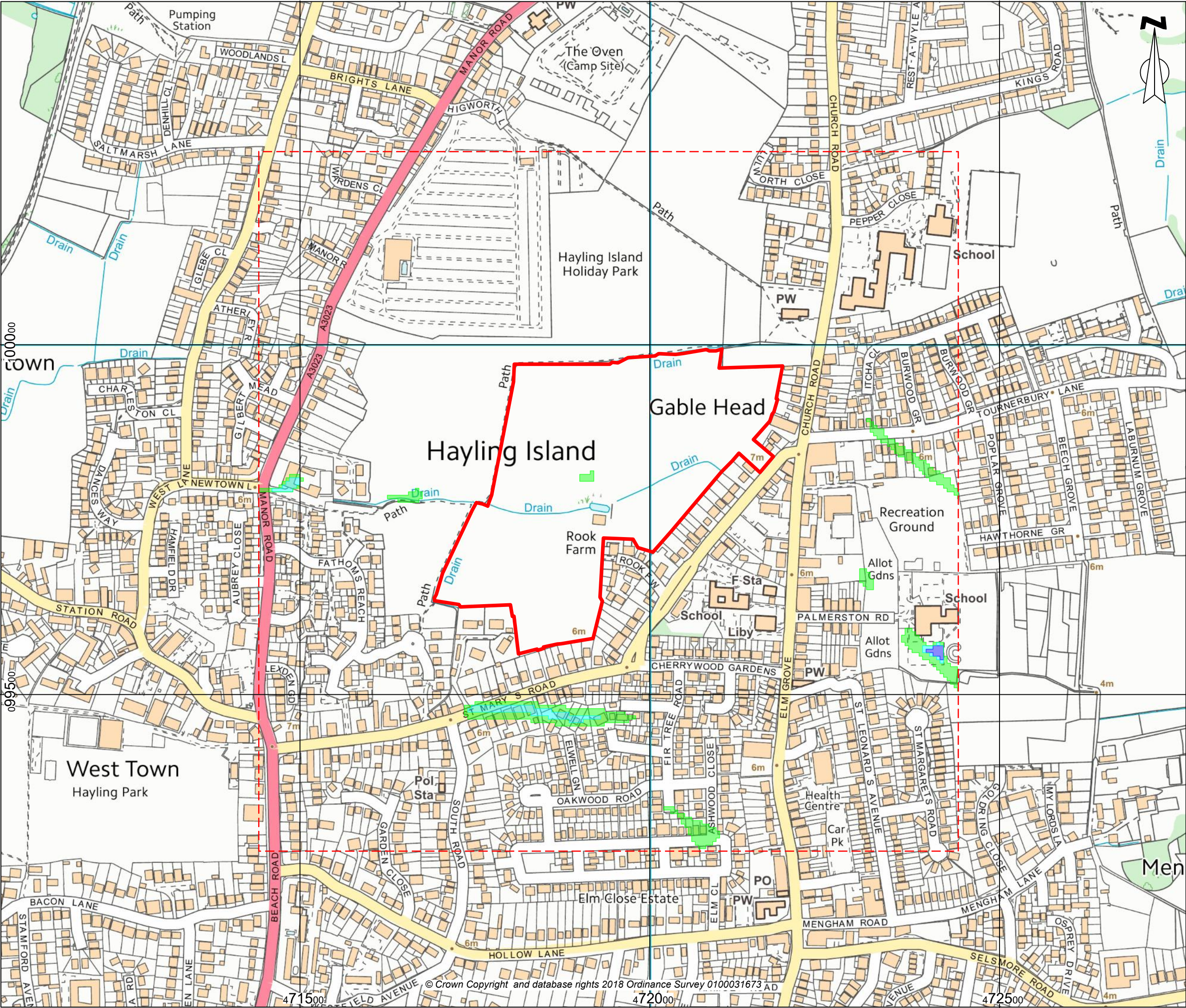
Limited Potential for Groundwater Flooding to Occur

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CLIENT: Gladman Developments		
SCALE: 1:5,000@A3	PROJECT REF: SHF.1132.142	
DRAWN: NP	CHECKED: AL	DATE: Mar 2018
PROJECT: St Mary's Road, Hayling Island		
TITLE: BGS Groundwater Flooding Susceptibility		
DRAWING NO: SHF.1132.142.HY.D.003		



Key

- Site Boundary
- Search Extent
- 1 in 75 Year Surface Water Flooding
- 1 in 200 Year Surface Water Flooding
- 1 in 1000 Year Surface Water Flooding

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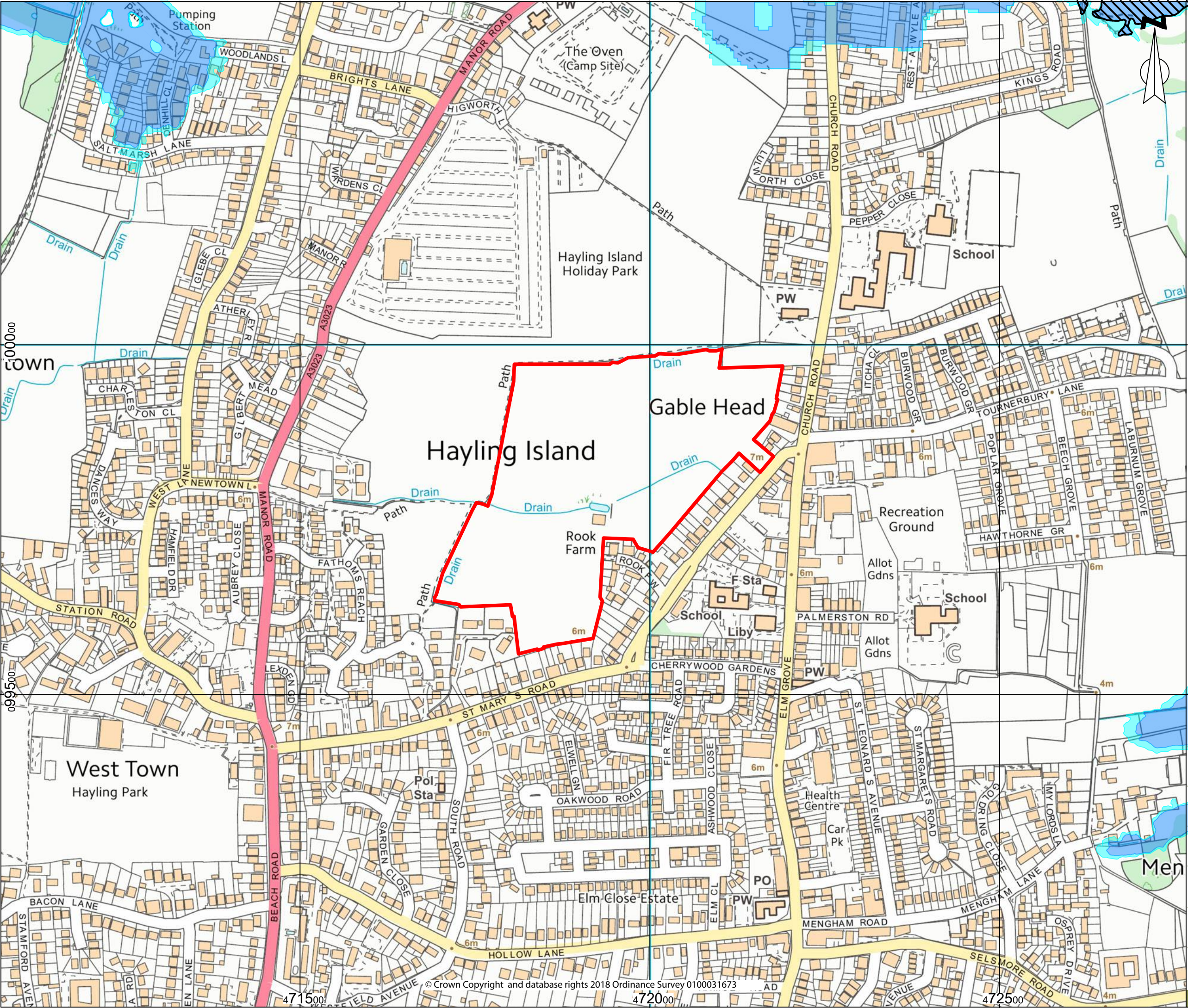
SCALE: 1:5,000@A3 PROJECT REF: SHF.1132.142

DRAWN: NP CHECKED: AL DATE: Mar 2018

PROJECT: St Mary's Road, Hayling Island

TITLE: JBA Surface Water Flooding

DRAWING NO: SHF.1132.142.HY.D.004



Key

- Site Boundary
- Flood Zone 3
Areas benefiting from flood defences
- Flood Zone 3
- Flood Zone 2
- Flood Zone 1

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CLIENT: Gladman Developments

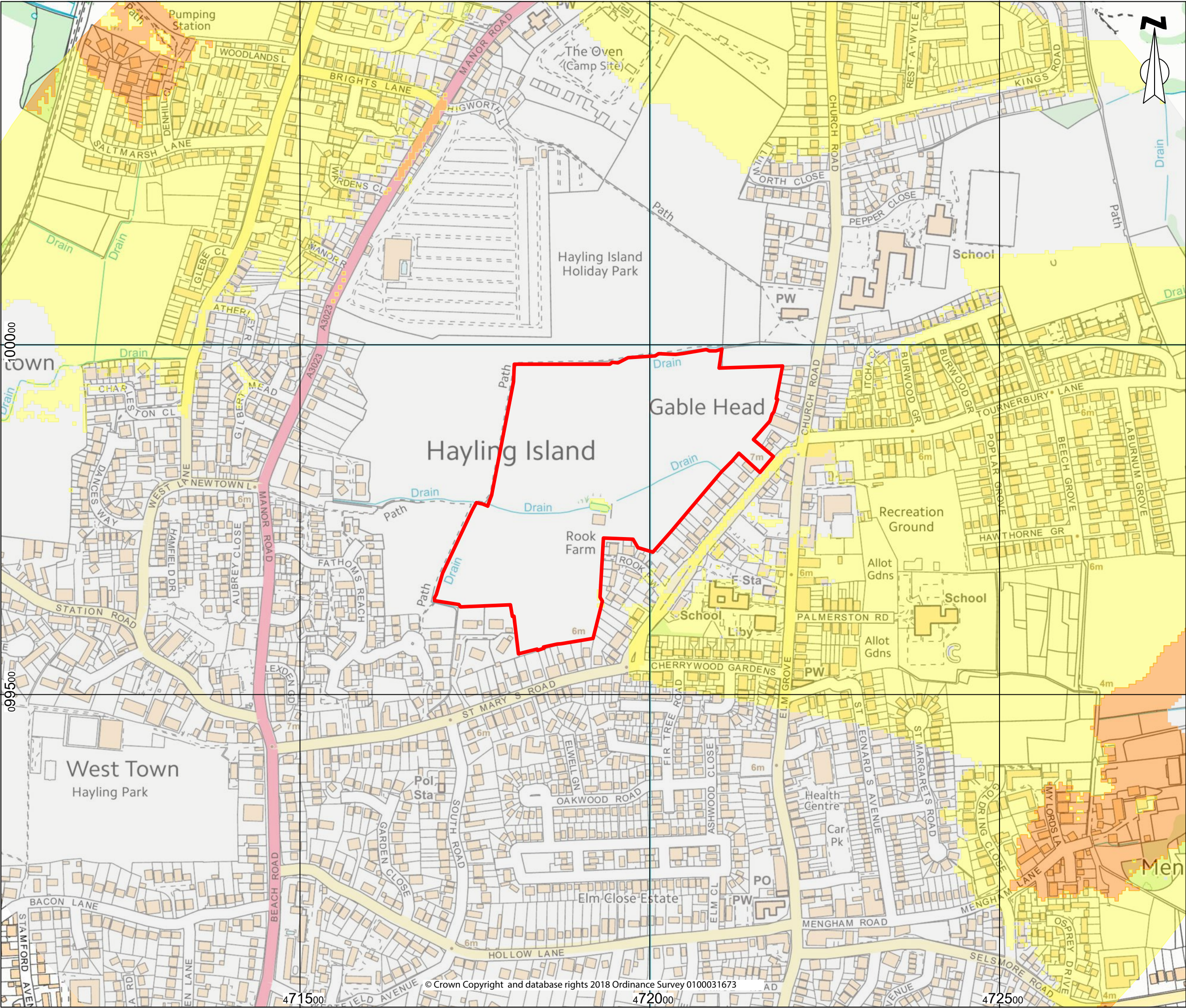
SCALE: 1:5,000@A3 PROJECT REF: SHF.1132.142

DRAWN: NP CHECKED: AL DATE: Mar 2018

PROJECT: St Mary's Road, Hayling Island

TITLE: Environment Agency Flood Zones

DRAWING NO: SHF.1132.142.HY.D.005



Key

- Site Boundary
- Class 1 - High Risk
- Class 2 - Moderate Risk
- Class 3 - Low Risk
- Class 4 - Negligible Risk

Notes:
GEOSMART GROUNDWATER FLOOD RISK MAP GW5
Version 2.1© - www.geosmartinfo.co.uk



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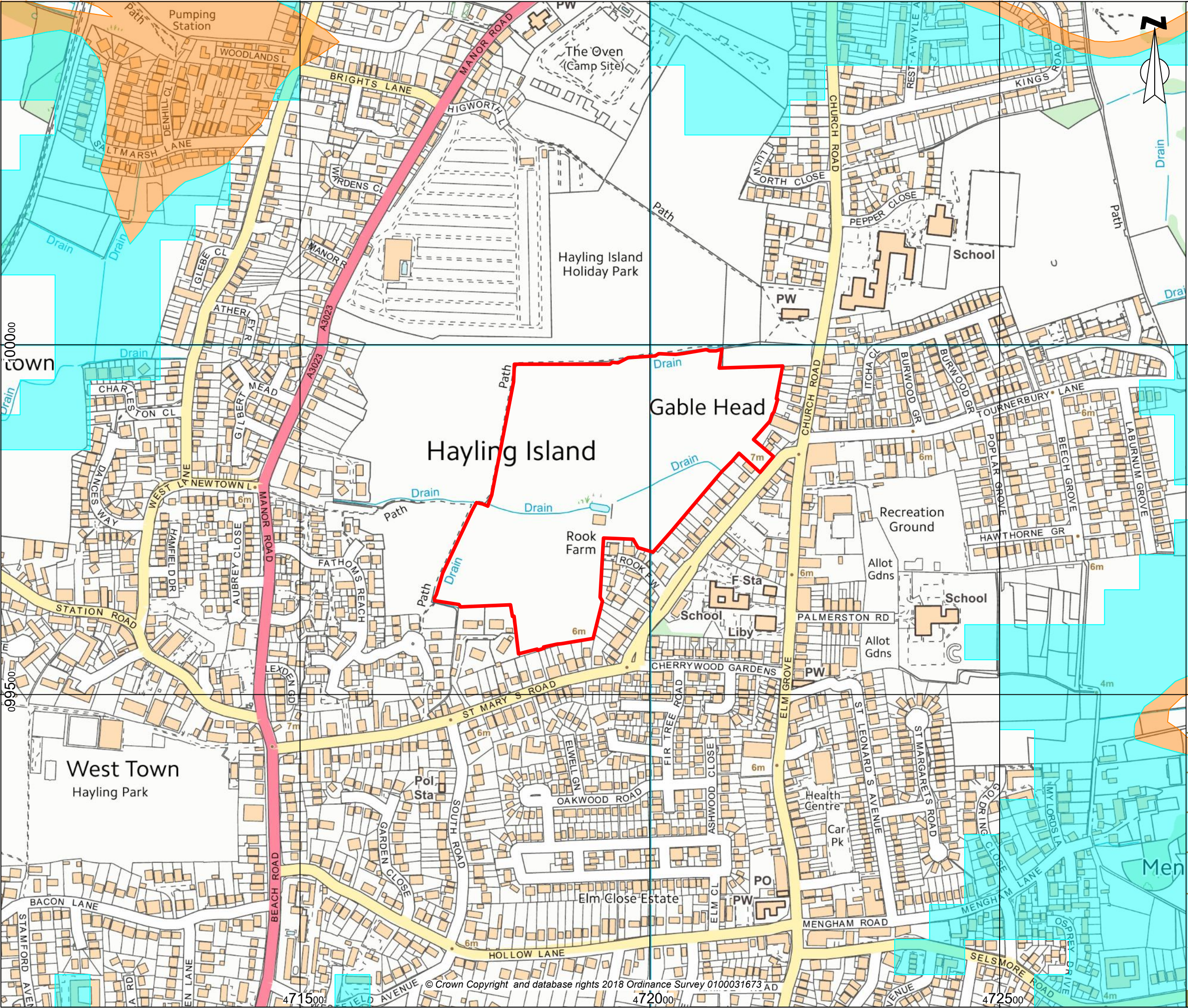
SCALE: 1:5,000@A3 PROJECT REF: SHF.1132.142

DRAWN: NP CHECKED: AL DATE: Mar 2018

PROJECT:
St Mary's Road, Hayling Island

TITLE:
Groundwater Flood Risk Map

DRAWING NO:
SHF.1132.142.HY.D.006



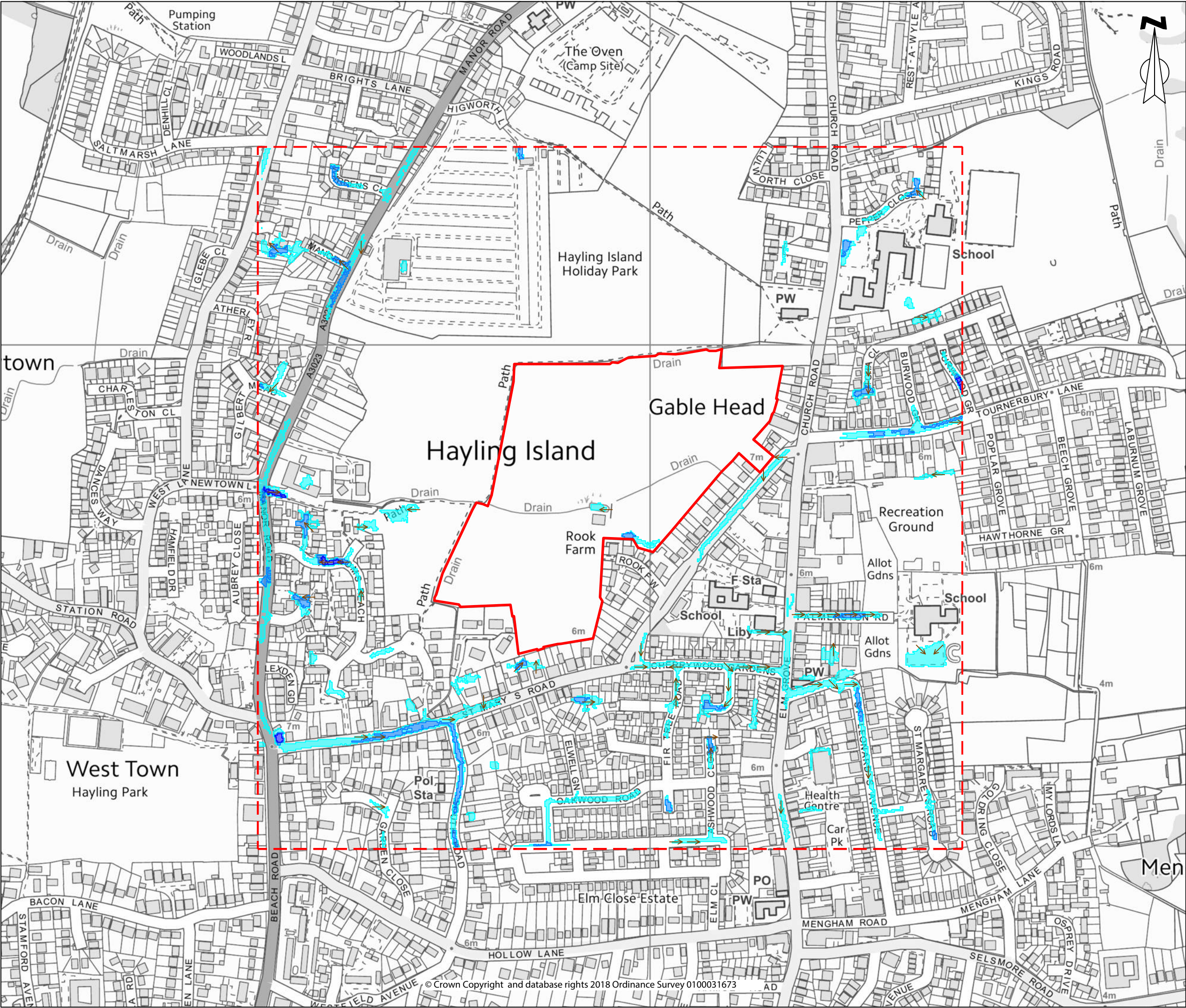
Key

- Site Boundary
- Geological Indicators of Flooding from Inland Flooding
- Geological Indicators of Flooding from Coastal Flooding

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CLIENT:		Gladman Developments	
SCALE:	1:5,000@A3	PROJECT REF:	SHF.1132.142
DRAWN:		DATE:	
NP	CHECKED:	AL	Mar 2018
PROJECT:		St Mary's Road, Hayling Island	
TITLE:		Geological Indicators of Flooding (based on geological deposits)	
DRAWING NO:		SHF.1132.142.HY.D.007	



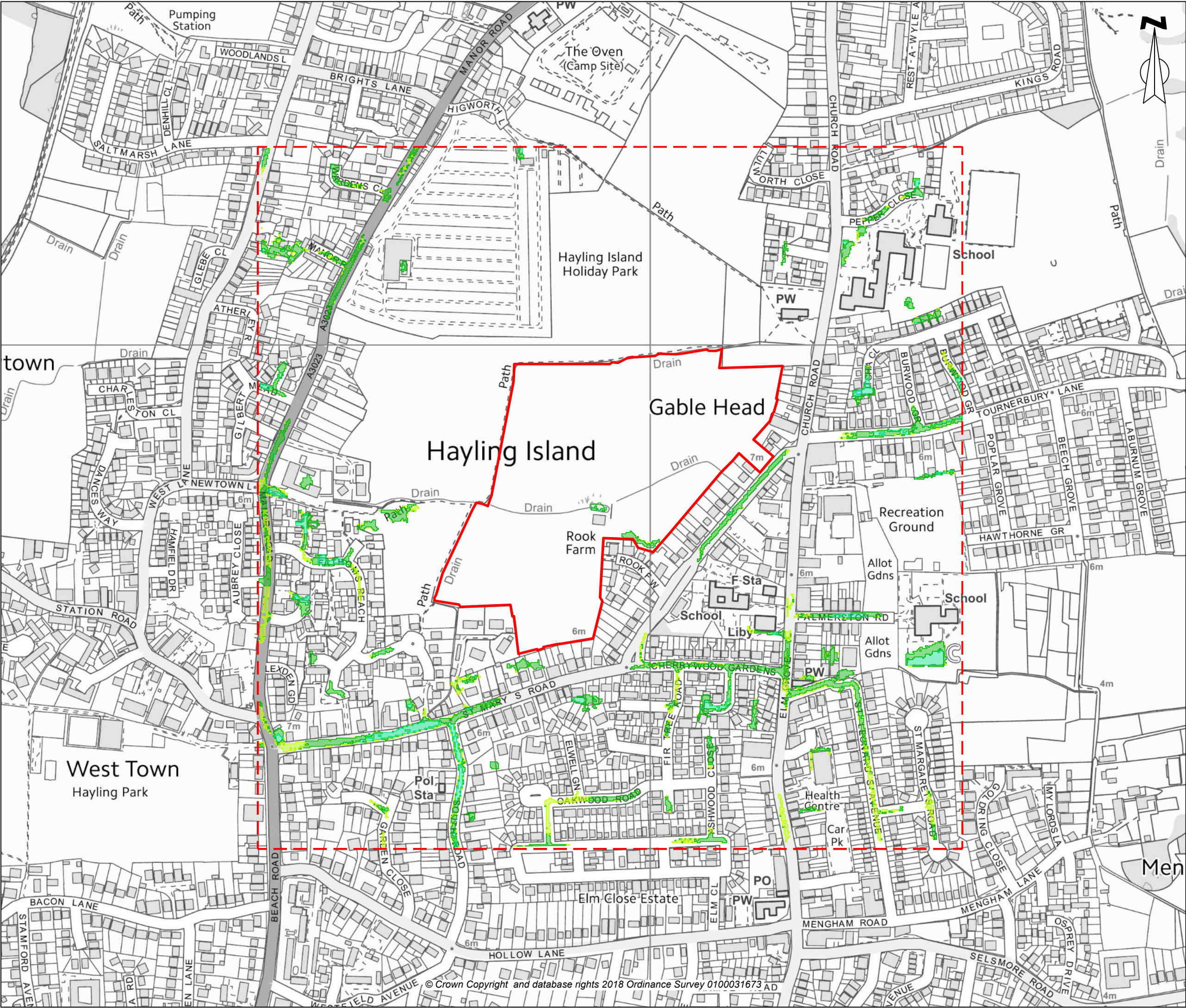
Key

- Site Boundary
- Search Extent
- 30 Year Extent
- 100 Year Extent
- 1000 Year Extent
- Flow Direction

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CLIENT:		Gladman Developments	
SCALE:		PROJECT REF:	
1:5,000@A3		SHF.1132.142	
DRAWN:		DATE:	
NP		Mar 2018	
CHECKED:		PROJECT:	
AL		St Mary's Road, Hayling Island	
TITLE:		DRAWING NO:	
Environment Agency Surface Water Flow Paths		SHF.1132.142.HY.D.008.1	



Key

- Site Boundary
- Search Extent
- Depth greater than 1.20 (m)
- Depth 0.90 - 1.20 (m)
- Depth 0.60 - 0.90 (m)
- Depth 0.30 - 0.60 (m)
- Depth 0.15 - 0.30 (m)
- Depth 0.0 - 0.15 (m)

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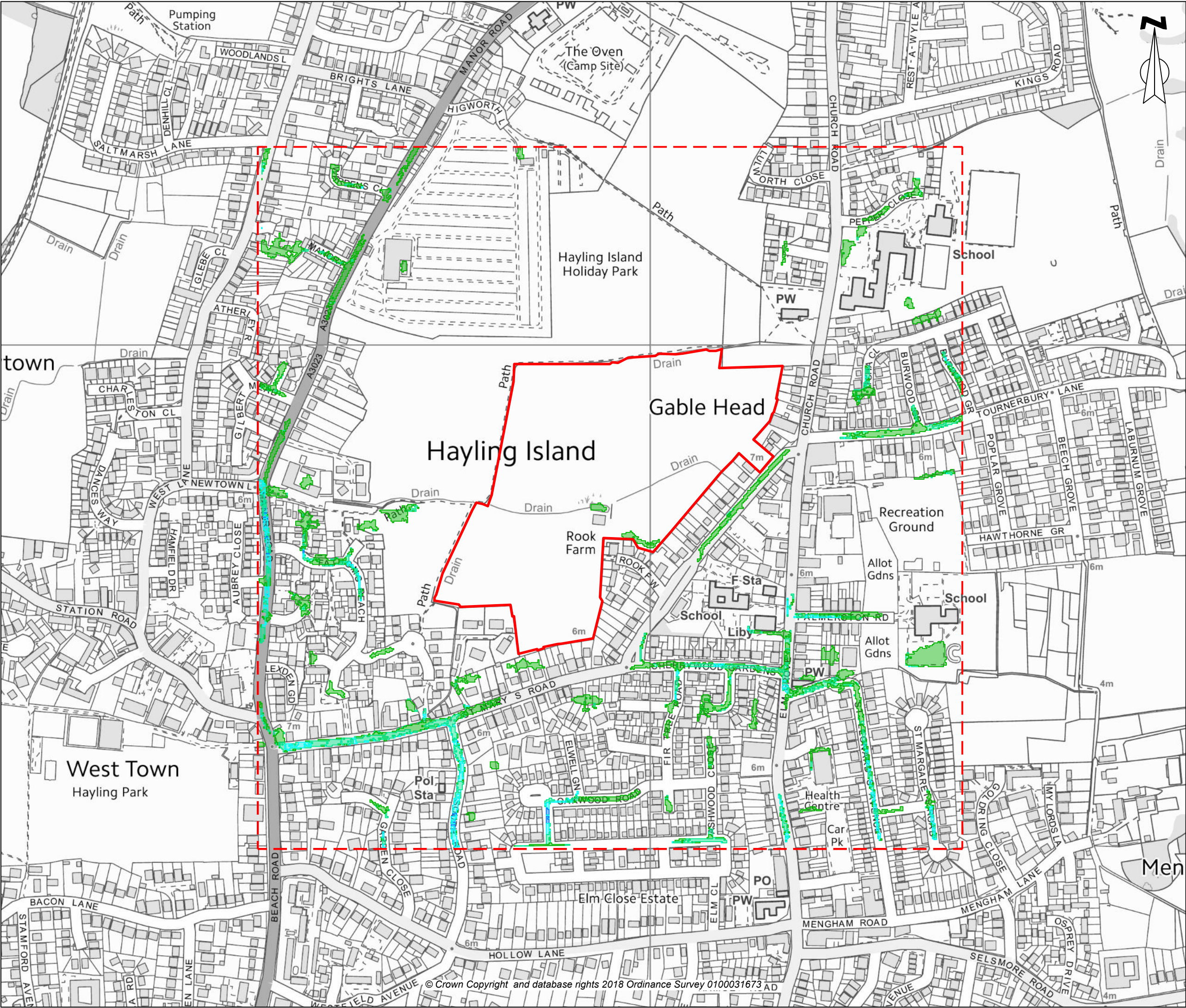
SCALE: 1:5,000@A3 PROJECT REF: SHF.1132.142

DRAWN: NP CHECKED: AL DATE: Mar 2018

PROJECT: St Mary's Road, Hayling Island

TITLE: Environment Agency 1 in 1000 Year Surface Water Depth

DRAWING NO: SHF.1132.142.HY.D.008.2



Key

- Site Boundary
- Search Extent
- Velocity 0.00 - 0.25 (m/s)
- Velocity 0.25 - 0.50 (m/s)
- Velocity 0.50 - 1.00 (m/s)
- Velocity 1.00 - 2.00 (m/s)
- Velocity 2.00 or greater (m/s)

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CLIENT: Gladmans Developments

SCALE: 1:5,000@A3 PROJECT REF: SHF.1132.142

DRAWN: NP CHECKED: AL DATE: Mar 2018

PROJECT: St Mary's Road, Hayling Island

TITLE: Environment Agency 1 in 1000 Year Surface Water Velocity

DRAWING NO: SHF.1132.142.HY.D.008.3



**Surface Water Attenuation Basin
(Northern Basin)**
Designed for 1 in 100yr+40%CC
Attenuation Volume: 1660m³
Top of Bank: 8.000
Max Water Level: 7.700
Bed Level: 6.200
Freeboard: 0.300
Basin Banks: 1:4
Discharge Rate: 6.14l/s

Surface Water Outfall
Surface water to outfall
to the existing
watercourse

**Surface Water Attenuation Basin
(Southern Basin)**
Designed for 1 in 100yr+40%CC
Attenuation Volume: 1620m³
Top of Bank: 7.000
Max Water Level: 6.700
Bed Level: 5.200
Freeboard: 300mm
Basin Banks: 1:4
Discharge Rate: 5.99l/s

Surface Water Outfall
Surface water to outfall
to the existing
watercourse

NOTES

1. Do not scale from this drawing
2. All dimensions are in meters unless stated otherwise
3. This drawing is to be read in conjunction with all relevant drawings and documents associated with this project.
4. All surveyed information including levels and layout is provided by others
5. All existing and proposed dimensions, levels and locations to be checked and verified by the main contractor on site prior to the commencement of the works and any anomalies reported to the engineer.
6. All works, workmanship and materials on private drainage to be in accordance with the civil engineering specification for water industry 7th edition published by the water research council.

Key

- Site Boundary
- Attenuation Basin
- Surface Water Headwall

P02	25/11/21	Basin sizes updated to suit updated outfall rates	RB	EOC	EOC
P01	19/10/21	First Issue	CW	LA	LA
REV:	DATE:	DETAIL:	DES:	CHK:	APP:

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CLIENT:
Gladman Developments Ltd

PROJECT:
St Mary's Road, Hayling Island

DRAWING TITLE:
Outline Surface Water Drainage Strategy

DRAWN: HDR	DESIGNED: CW	CHECKED: LA	APPROVED: LA
DATE: 19/10/2021	SCALE @ A3: 1:2000		
PROJECT NO.: SHF.1132.142	DRAWING NO.: SHF.1132.142.HY.D.001		
DRAWING STATUS: Preliminary	ISSUE: P02		