PROPOSED RESIDENTIAL DEVELOPMENT
SINAH LANE, HAYLING ISLAND
HAVANT

UTILITIES STATEMENT

JUNE 2018

Document Control Sheet

Project name:	Sinah Lane, Hayling Island
Project ref:	BSO/E4513
Report Title	Utilities Statement
Doc. ref:	TRS/BSO/E4513/17137
Date:	18th June 2018

	Name	Position	Signature	Date
Prepared by:	Terry Seymour	Director		18.06.2018
Approved by:	Terry Seymour	Director		18.06.2018

Revision	Date	Description	Prepared	Approved

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1.0 Executive Summary

This report summarises the methodology and results of the Utilities Assessment in relation to the planning application for the residential proposal for the erection of 195 dwellings, associated open space, pumping station, sub-station with vehicular access via Sinah Lane and change of use of land from agricultural to a Wader and Brent Geese refuge.

The utilities statement provides an assessment of the development needs in terms of future servicing for the supply of electricity, gas, water and foul water sewage disposal and through consultation with the respective Statutory Undertakers assesses the existing capacity within their networks to serve the development needs. Where existing capacity does not existing, the study has investigated with the respective suppliers the potential extent of offsite reinforcement works which will be required to serve the development.

2.0 Introduction

Rogers Cory Partnership Limited have been instructed on behalf of Barratt David Wilson to prepare a Utilities Statement in support of a planning application for the proposed re- development of the site, Land at Sinah Lane, Hayling Island.

The development site seeks planning permission from Havant Borough Council for the for the erection of 195 dwellings, associated open space, pumping station, sub-station with vehicular access via Sinah Lane and change of use of land from agricultural to a Wader and Brent Geese refuge.

The aim of this study is to assess the existing utilities infrastructure in the vicinity of the site, determine the extent of reinforcement, diversionary and abandonment works and any costs that may be associated with such works

Enquires have been made by Rogers Cory Partnership to the relevant utility companies, statutory undertakers and authorities operating within the vicinity of the site regarding capacities of existing networks to supply the proposed development, infrastructure works and details of budget cost estimates. A summary of the responses is presented as **Appendix B** and a Services Plan illustrating the location of all existing services is presented as **Appendix C.**

Existing utility networks may have new third-party connections made to them at any time in the future and as such the advice given within this report is subject to change until formal quotations have been accepted and paid for between the developer and respective network operator.

It must also be noted that enquiries made to the respective utility companies have been carried out using development proposals current at the time of the enquiries only. As such all costs for supplies, off-site reinforcement and diversionary works will be subject to further detailed estimates from the utility companies which will need to be made on the final development proposals and accommodation schedules at a later date.

3.0 Proposed Development Site

3.1 Site Location

The site is located off Sinah Lane within the south western part of Hayling Island. The site is bounded by residential properties to the west and south, open fields and a nature reserve to the north, Hayling Billy Trail and open fields to the east with National Grid reference 470733, 99841 (See **Appendix A**).

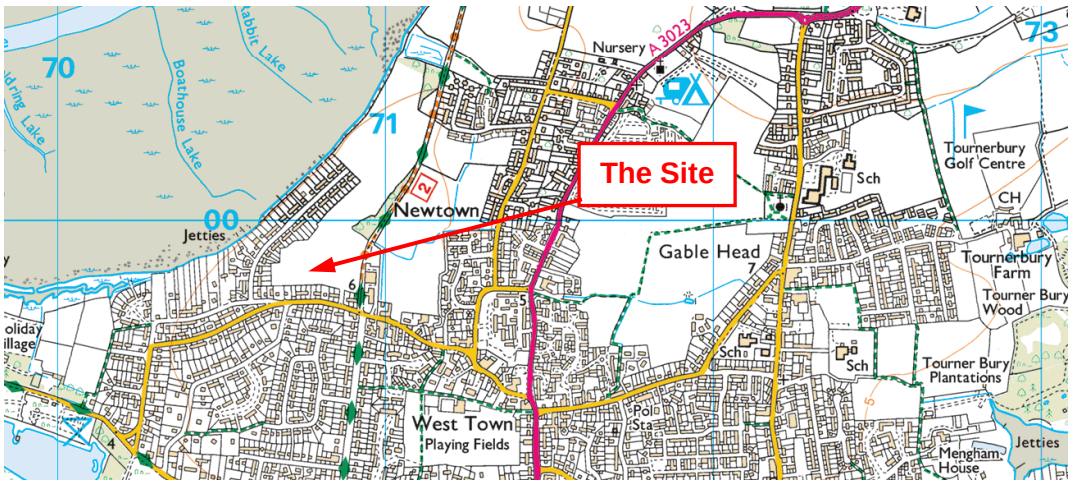


Figure 1- Site Location and Extent

3.2 Existing Topography

A topographical survey was carried out by Siteline in June 2016 and subsequently in April 2017 and May 2018 and is related to Ordinance Survey Datum.

The survey generally shows the site to be relatively flat levels ranging from approximately 5.90mAOD in the south, falling gently northwards to 5.10mAOD (See **Appendix B**).

3.3 Development Proposals

The proposed development comprises of the erection of 195 dwellings, associated open space, pumping station, sub-station with vehicular access via Sinah Lane and change of use of land from agricultural to a Wader and Brent Geese refuge.

4.0 Foul Drainage

Existing Foul Drainage

Southern Water Services Limited (SWSL) are the Local Sewerage Authority in this area. The development proposals will seek to discharge to the existing Southern Water public sewer network. SWSL's waste network map is presented as part of **Appendix E**.

SWSL's waste network mapping indicates that there are existing SWSL foul sewers located adjacent to the site. There is a 200mm diameter foul sewer which along which runs along North Shore Road and into the fields to the north west of the site. There is also an existing 200mm diameter foul sewer and 300mm surface water located within Sinah Lane in the southern part of the site.

Proposed Foul Drainage

Southern Water Services Limited (SWSL) are the Local Sewerage Authority in this area. The development proposals will seek to discharge to the existing Southern Water public sewer network.

The proposed foul water discharge generated by the site has been calculated at 9.02l/s (based on 195 dwellings at 4000l/dwelling/day) in accordance with Sewers for Adoption 7th Edition.

It should be noted that as of April 2018, under the new Charging Rules for New Connection Services (English Undertakers) published by Ofwat, SWSL has introduced a new Charging Arrangement which includes methods for calculating charges and any Income Offsets and Asset Payments that will apply in relation to the provision of new mains and sewers; provisions of service connections, lateral drawings and waste connections, adoption agreements and diversions.

Under the new Charging Arrangements that SWSL will limit the charge for a New Sewer to the cost of connecting to the nearest reasonably practicable point on the network where the existing sewer is at least the same diameter as the New Sewer that is required to provide the capacity of the development.

The new development parcel will seek to connect to nearest existing Southern Water foul sewer via an onsite adoptable pumping station to the existing 200mm diameter sewer located just north west of the development site, subject to agreement with Southern Water.

Connections to the existing foul sewer can be made under Section 106 of the Water Industry Act 1991. Therefore, an application will need to be made to SWSL to connect to the public sewers. Should any of the onsite foul water networks be offered for adoption, then this will be carried out under Section 104 of the Water Industry Act 1991.

All domestic foul drainage will be designed in accordance with Part H of the Building Regulations

Diversionary Works

It is anticipated that no foul or surface or foul sewer diversionary works will be required to accommodate the development proposals, based on the current site layout.

5.0 Water Supply

Existing Water Supply

Portsmouth Water (PW) is the statutory authority responsible for potable water in the local area PW mains location plan is presented as part of **Appendix F**.

PW's mapping indicates that there are existing mains adjacent to the site. There are 4in and 8in diameter mains located within Sinah Lane.

Proposed Water Supply

Consultation has been carried out with PW to determine capacity within the network surrounding the site to serve the development needs for a previous quantum of development. PW have previous advised the requirement for the laying of a new offsite water mains as the existing network is full committed. The Developer will be charged a proportional cost associated with laying this new offsite main.

It should be noted that under the new Charging Arrangements that PW will limit the charge for a New Water Main to the cost of connecting to the nearest reasonably practicable point on the network where the existing Main is at least the same diameter as the New Water Main that is required to provide the capacity of the development. In addition to this should PW require to change the point of connection for capacity reasons then any additional length of a New Water Main will not be charged to the Developer although the cost will be considered as Network Reinforcement and as such will be recovered through the Infrastructure Charges.

Diversionary Works

It is anticipated that no water main diversionary works will be required to accommodate the development proposals, based on the current site layout.

6.0 Electricity Supply

Existing Electricity Supply

The electricity operator within the vicinity of the site is Scottish & Southern Electricity Networks (SSE). Existing mains records have been provided by SSE which indicates the location of their infrastructure within the vicinity of the proposed development. This mapping is presented as part of **Appendix G**.

The UKPN records received indicated that there are both LV and HV networks adjacent to the site. There are existing overhead HV cables running through the centre of the site and below ground LV cables across the site access.

Proposed Electricity Supply and Diversions

SSE have confirmed the site can be serviced without the need for any offsite reinforcement works. A budget estimate has been provided by SSE for supplying the site including the provision of a new secondary substation on site. Details of the supply proposals from SSE are presented as part of **Appendix G**.

SSE have provided a budget estimate for diversionary works to the existing HV mains as well as the LV mains required to accommodate the new site entrance. Details of the proposals are provided in **Appendix G**.

7.0 Gas Supply

Existing Gas Supply

The gas utility company operating within the vicinity of the site is SGN. Existing mains records have been provided by SGN which indicates the location of their infrastructure within the vicinity of the proposed development. This mapping is presented as part of **Appendix H**.

The SGN records received indicates that there is an existing low pressure 180mm dia. and 125mm dia mains located within Sinah Lane.

Proposed Gas Supply and Diversions

SSE have confirmed the site can be serviced based on a previous quantum of development.

No diversionary works are anticipated to accommodate the new development.

8.0 Telecommunications

Existing Telecommunications Supply

BT Openreach and Virgin Media are the known telecommunication provider operating within the vicinity of the proposed development.

Existing records have been provided by Virgin Media which indicates the location of their infrastructure within the vicinity of the proposed development. Whilst maps provided by BT would indicated that there is no infrastructure in the area, it is noted that there is an abundance of overhead BT telecoms lines along Sinah Lane. This mapping is presented as part of **Appendix I**.

Proposed Telecommunications Supply

As BT Openreach has plant located within the vicinity of the site, the proposed development should be serviceable from this plant. BT Openreach will confirm the most suitable point of connection post planning permission under BT's 'new sites' process.

Diversionary Works

Virgin Media have provided a budget estimate for the diversion of the existing below ground cables to accommodate the new site access. Details of the proposals are provided in **Appendix I** of the report.

9.0 Report Summary

All anticipated alterations and diversionary works to existing services are associated with the proposed development and access routes to the site.

It is proposed that foul discharge from the development will be by a new adoptable foul water pumping station to the existing public foul sewer just immediately north west of the site under the Charging Arrangements. Any network reinforcements will need to be undertaken by SWSL under Ofwat's new charging arrangement.

PW have water supply adjacent to the site and have carried out an assessment provide supply to the site. They have advised that the site can be served subject to the installation of additional offsite mains.

SSE are the main electricity provider and have confirmed the site can be supplied via a new on site secondary substation.

SGN have gas apparatus located on and adjacent to the site and have confirmed that the site could be serviced from their existing apparatus.

BT and Virgin Media have apparatus adjacent to the site. Virgin Media has provided proposals for diversionary works to accommodate the new junction to serve the development.

Appendix (A)

Site Location Plan

NOTES



Rev.	Date	Details	By	Chkd	Appd

Client:-

BARRATT HOMES

Site:-
Sinah Lane
Hayling Island

Drawing Title:-
Site Location Plan

Date: June 2018 | Scales: NTS
Drawn: TRS | Checked: TRS | Approved: TRS

Drawing No.
BSO/E4513/006

FOR INFORMATION ONLY

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Appendix (B)

Summary of Utilities

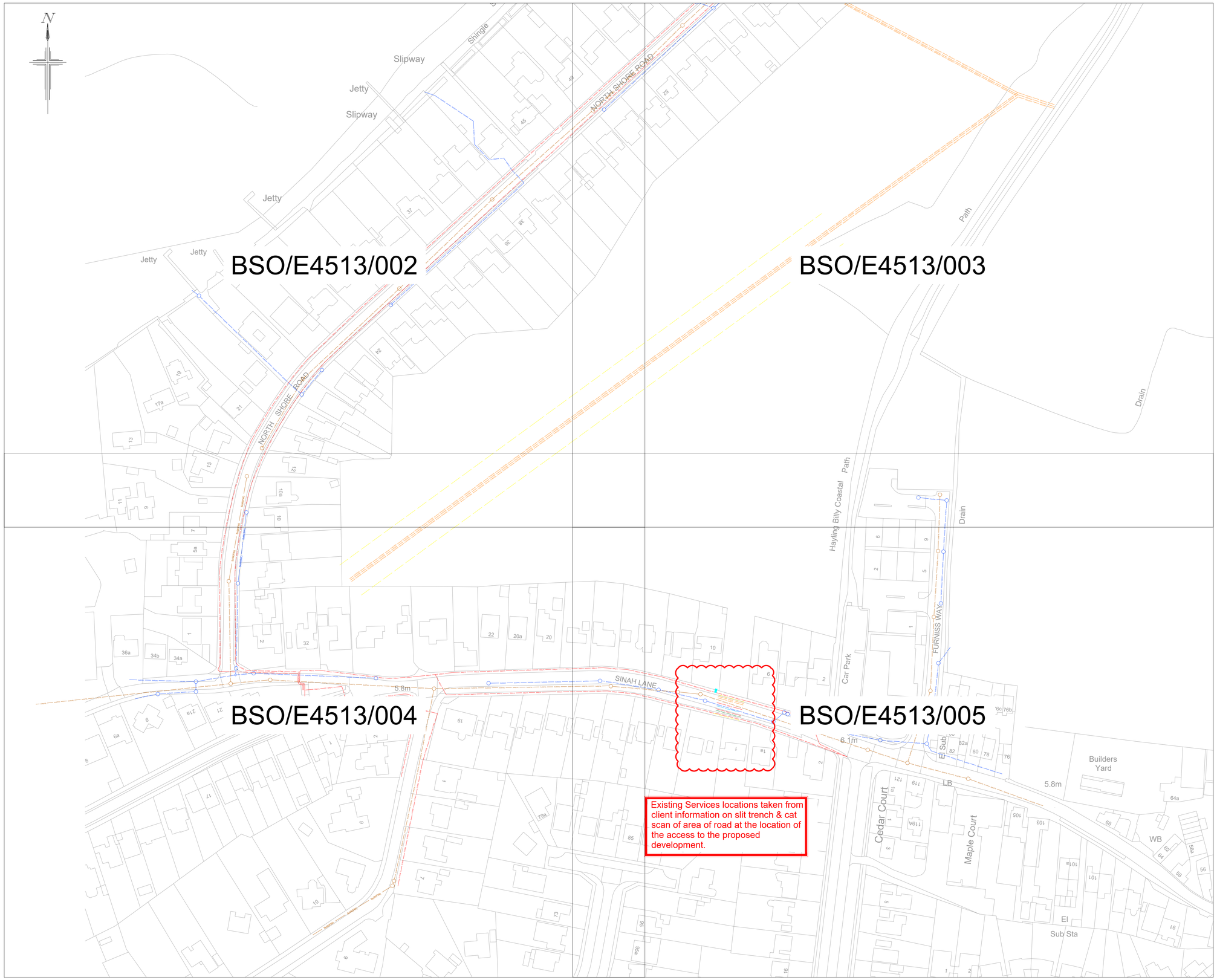
UTILITY TRACKER FOR - SINAH LANE, HAYLING ISLAND JOB NO: BSO/E4513 Updated: 20/06/2018

Utility Company	Utility	Contact Details	Ref.	Existing Mapping Received	Diversions	Supply	Residential	Commercial	Reinforcement Works?	Final Quotation
Water										
Portsmouth Water PO Box 8, West Street, Havant, Hampshire, PO9 1LG	Potable	Jim Hayler/John Stubbs J.Stubbs@portsmouthwater.co.uk	JAH/H4741		Diversionary work is unlikely	**05/07/16 - Budget quote for water mains received:** **01/11/16 revised quote 170 units received** **14/05/18 - Awaiting revised budget quote for 195 units.**	195	0		
Southern Water, Sparrowgrove House, Sparrowgrove, Otterbourne, Winchester, SO21 2SW	Foul	Dave Fortnum - 01962 716508	S98-000438			**03/10/2016 - Budget quote for S98 received:**	195	0		
Electricity										
SSE Scottish and Southern Energy Power Distribution Connections and Engineering Walton Park Walton Road Cosham PO6 1UJ	Electricity	Natalie Parkinson Natalie.Parkinson@sse.com Sean Allen	EGD299 (Supply) EGF065 (diversion)		Existing overhead HV crossing the site needs diverting along with potential diversion requirement for LV in Sinah Lane to accommodate the new site entrance. Diversion application for overhead cables issued on the 14/06/2016. Ref: EGF065. **23/06/2016 - Diversion quote received**	**20/06/16 - Quote received:** **05/07/16 - Revised budget quote received** **26/09/16 - Revised quote for 170 units received:** **29/05/18 - revised budget quote for 195 units received:**	195	0		
Gas										

SGN Connections St Lawrence House Station Approach Horley Surrey RH6 9HJ	Gas		1173473 **1237679** (revised quote for 170 units.			**20/06/16 Budget Quote received: 18/11/16 -Revised quote 170 units received:** **14/05/18 - Awaiting revised budget quote for 195 units. -**	195	0		
SSE Gas Express Pipe Laying & Repair Ltd, Unit 3 Netherfield Lane, Standstead Abbotts, Herts SG12 8HE	Gas	Kuldeep Sunner Kuldeep.Sunnner@eplr.co.uk	EPL/16/Q4235			**24/06/16 - Budget Quote received 05/10/16 - Revised quote for 170 units, including smart meters, received:** **14/05/18 EPL&R can no longer quote for sites over 50 units.**	195	0		
Dual Fuel- Gas & Electricity Supply										
GTC Energy House Woolpit Business Park Woolpit Bury St Edmunds, IP30 9UP	Gas & Electricity		34091919			**09/06/16 - Budget Quotation received: T** **05/10/16 - Revised budget quote for 170 units** **14/05/18 - Awaiting revised quote for 195 units.**	195	0		
British Gas New Housing Connections No.4 Callaghan Square Tresillian Way Cardiff CF10 5BT	Gas & Electricity Gas Budget only Electricity only firm quotes	Anna Lambert Anna.Lambert@britishgas.co.uk	P1442504/1ECA			**10.08.2016 Budget gas quote received** **04/01/17 - Revised budget quote 170 units received: If require a firm quote need a detailed site plan.** **15/05/18 - Awaiting revised quote for 195 units.**	195	0		
Dual Fuel- Gas & Electricity Supply+ Water supply										
Foul Drainage										
Communications										
Virgin Media					**12/09/16 - Budget Diversion quote received**		195	0		

Appendix (C)

Combined Utilities Drawing



NOTES

1. All dimensions are in metres unless stated otherwise.
2. Site layout based on layout provided by Barratt Homes Feasibility Sketch, drawing number ST-17-03 dated 19.04.2016.
3. This drawing is to be read in conjunction with; Barratt Southampton drawing ST-17-03 Feasibility Sketch dated 19.04.16, Southern Water drawing "217118_Site Off North Shore Road dated 13.06.16", SSE drawing "L.V. Mains Record" dated 08.06.16 and SSE drawing "H.V. Mains Record" dated 08.06.16. & information from slit trench & cat scan dated 06.09.16

KEY

- Southern Water - Foul Water (as per drawing 217118_Site off North Shore Road dated 13.06.16)
- Southern Water - Surface Water (as per drawing 217118_Site off North Shore Road dated 13.06.16)
- SSE - L.V. Mains (as per Scottish and Southern Energy drawing "L.V. Mains Record" dated 08.06.16)
- SSE - Overhead H.V. mains (as per Scottish and Southern Energy drawing "H.V. Mains Record" dated 08.06.16)
- 10m Easement
- SSE - Existing Streetlighting (location estimated from SSE Enterprise website Interactive map)
- CTV (assumed location)
- Gas LP (assumed location)
- BT (assumed location)

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Rev.	Date	Details	By	Chkd	Appd
A	13.09.16	Existing services updated to slit trench & catscan information	SLW	AC	KJ

Client:- BARRATT HOMES

Site:- Sinah Lane Hayling Island

Drawing Title:- EXISTING SERVICES

KEYPLAN

Date: June 2016 | Scales: 1:1000 at A1

Drawn: PJ | Checked: TS | Approved: TS

Drawing No. BSO/E4513/001 A

FOR INFORMATION ONLY

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Hayling Island

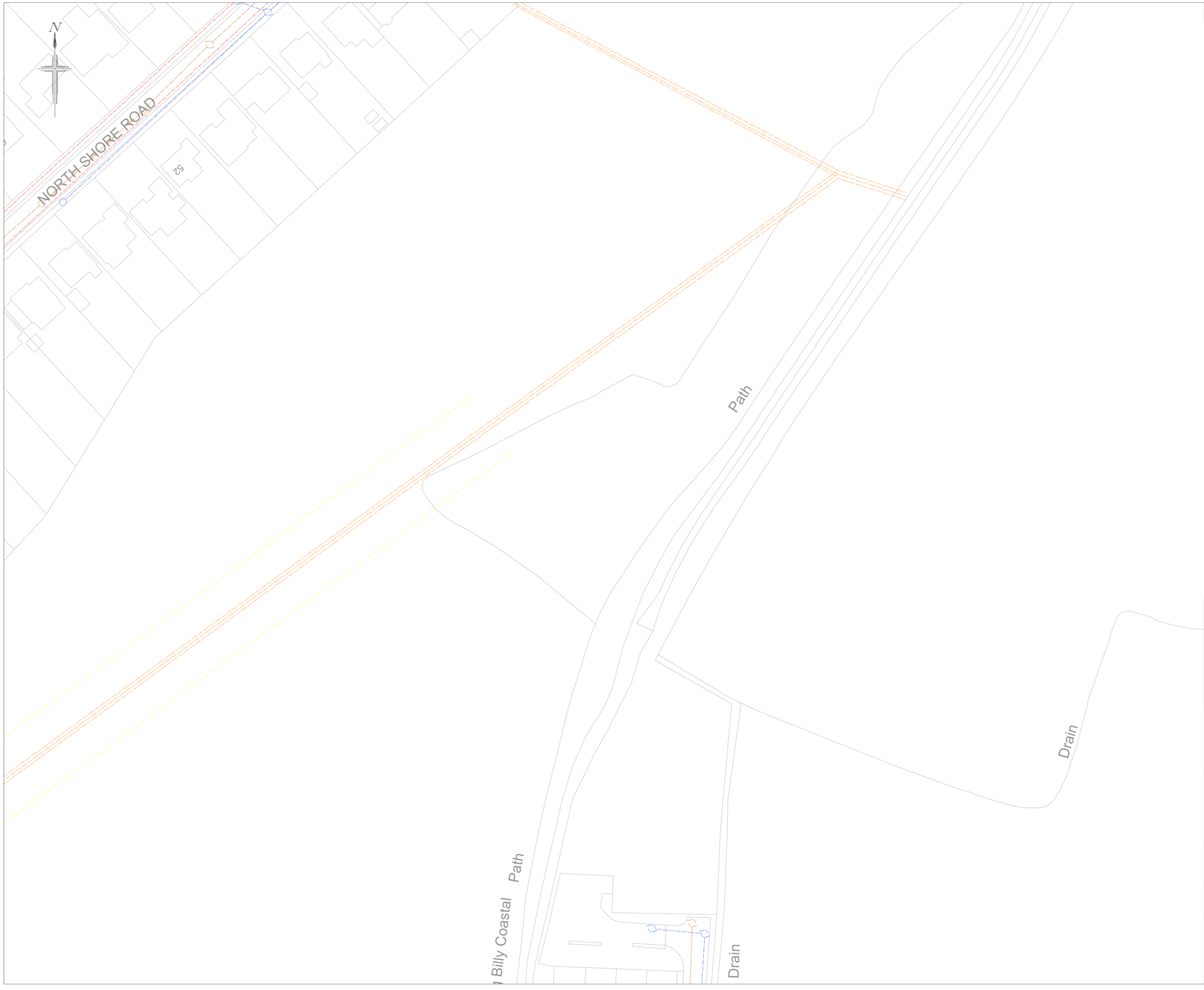
Drawing Title:-
EXISTING SERVICES PLAN
SHEET 1 OF 4

Date: June 2016 | Scales: 1:500 at A1
Drawn: PJ | Checked: TS | Approved: TS

Drawing No.
BSO/E4513/002 A

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(location estimated from SSE Enterprise website Interactive map)

CTV (assumed location)

Gas LP (assumed location)

BT (assumed location)

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Client:-

BARRATT HOMES

Site:-
Sinah Lane
Hayling Island

Drawing Title:-
EXISTING SERVICES PLAN
SHEET 2 OF 4

Date: June 2016 | Scales: 1:500 at A1
Drawn: PJ | Checked: TS | Approved: TS

Drawing No.
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Site:-
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Hayling Island

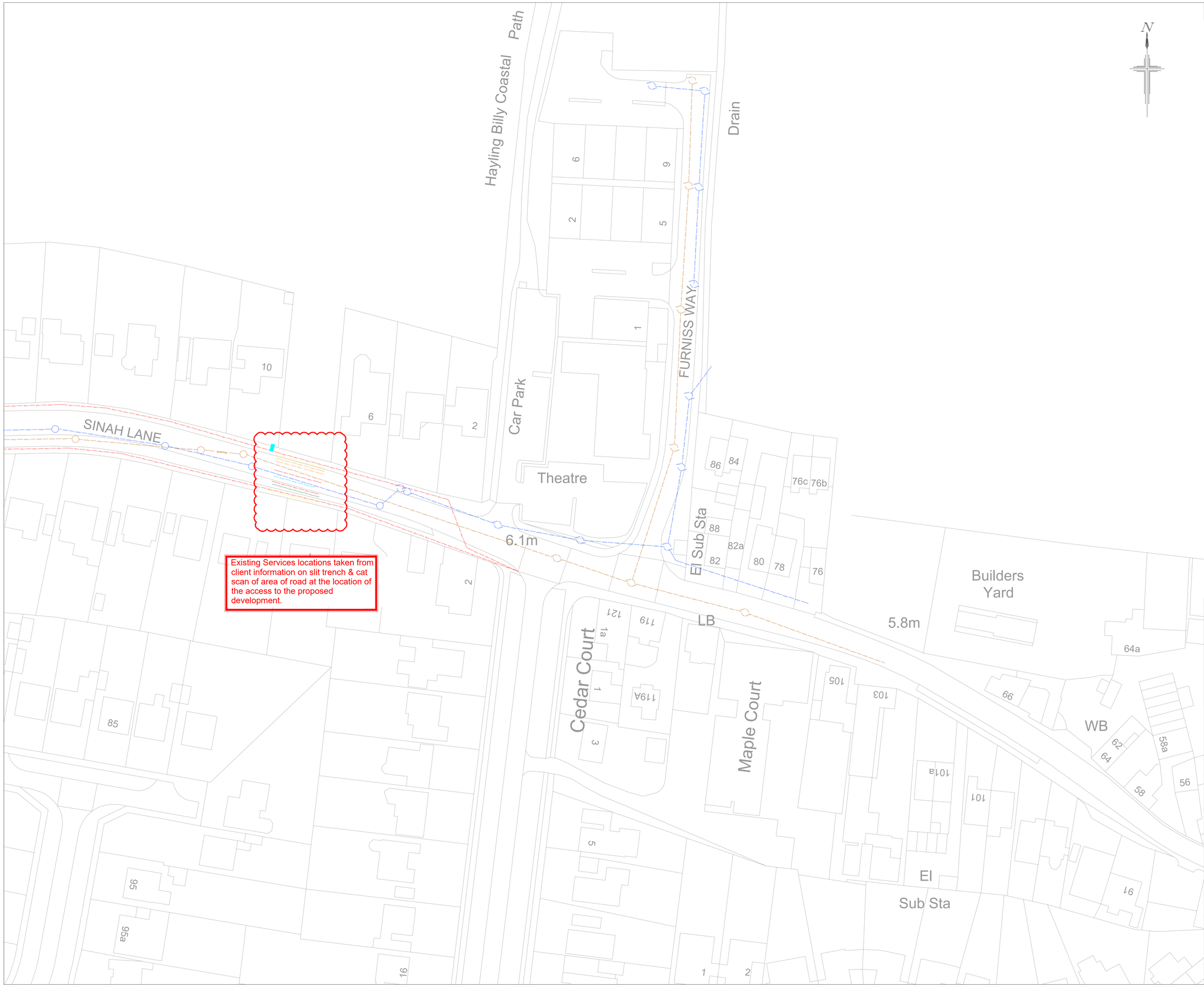
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SHEET 3 OF 4

Date: June 2016 | Scales: 1:500 at A1
Drawn: PJ | Checked: TS | Approved: TS

Drawing No.
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Client:- BARRATT HOMES

Site:- Sinah Lane Hayling Island

Drawing Title:- EXISTING SERVICES PLAN

SHEET 4 OF 4

Date: June 2016 | Scales: 1:500 at A1

Drawn: PJ | Checked: TS | Approved: TS

Drawing No. BSO/E4513/005 A

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Appendix (D)

Topographic Survey

TREES

A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
CY	Cypress
E	Elm
EL	Elder
EU	Eucalyptus
F	Fir
FM	Field Maple
FR	Fruit
HZ	Hazel
HC	Horse Chestnut
HO	Holm Oak
HW	Hawthorn
HY	Holly
JM	Japanese Maple
LB	Laburnum
LM	Lime
LO	Locust Tree
LR	Laurel
M	Maple
MG	Magnolia
OK	Oak
P	Pine
PA	Palm
PL	Plane
PM	Plum
PO	Poplar
PP	Pissardii Plum
PR	Pear
R	Redwood
RD	Red Oak
RH	Rhododendron
RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WN	Walnut
Y	Yew

Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

KEY

BT	British Telecom
BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
FH	Fire Hydrant
GSV	Gas Stop Valve
HT	Height
HVC	High Voltage Cable
IC	Inspection Cover
IL	Invert Level
LP	Lamp Post
MH	Man-Hole
MKR	Marker
MW	Monitoring Well
O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
RNP	Road Name Plate
RS	Road Sign
S/A	Soakaway
ST	Stay / Strut
SV	Stop Valve (Unidentified)
TB	Telephone Box
TC	Telecom
TH	Trial Hole
TL	Traffic Light
TP	Telegraph Pole
UTL	Unable to Lift
VP	Vent pipe
WM	Water Meter
WSV	Water Stop Valve

FENCES

BWF	Barbed Wire Fence
CBF	Closed Board Fence
CF	Concrete Post
CPF	Chestnut Paling Fence
CWF	Chicken Wire Fence
IRF	Iron Railing Fence
PKF	Picket Fence
PRF	Post & Rail Fence
PWF	Post & Wire Fence
SCF	Security Fence
SP	Steel Post
WMF	Wire Mesh Fence
WPF	Wood Panel Fence

S□R□EY ST□TIO□S				
□a□e	Easting	□orthing	Height	Ty□e
S1	4□0□6□43□	□□□3□□4□	6.150	□ail
S□	4□0□66.5□□	□□□63□□5	6.04□	□ail
S3	4□0□6□□□□	□□□1□□□□	6.0□□	□ail
S4	4□0□□4□5□	□□□4□□□5	5□41	Peg
S5	4□0□□□5□□	□□□4 830	5□15□	Peg
S6	4□0□□15□0	□□□□□5□□	5.4□□	Peg
S□	4□06□1.840	□□□64.643	5□5□	Peg
S10	4□10□4□4□	1001□□9□□	5.01□	Peg
S11	4□0□61.□□	100□□5□.40	4□□□9	Peg
S13	4□1103.00□	1001□□40□	4□□□9	Peg
EP1	4□0□□4.06□	□□□□4 8□□□	□505	□ail
EP□	4□0□65.□□□	□□□□5□36□	□□□4	□ail
EP3	4□065.□□01	□□□13□340	□□□□	□ail

Revision B - May 2018
Survey extended to north outfall

Revision A - April 2017
Survey extended to the north

NOTES:

The survey grid has been related to a local determination of OS National Grid using a flat earth projection and metric scale factor of 1, centred on Station S1. Levels are related to OS datum determined from the National GPS Network using OSGM02.

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Geomatic Surveyors siteline Unit E, Woodside 34 Parham Drive Eastleigh SO50 4NU t: 023 8081 1081 f: 023 8081 1012 w: siteline.co.uk	
BARRATT DAVID WILSON	Client
LAND AT SINAH LANE HAYLING ISLAND HAMPSHIRE	Contract
SITE SURVEY	Title
36HX001B - Sheet 1 of 7	Drawing No.
JUNE 2016	Date
1:250 (A0)	Scale
MJR/ST/MJU	Surveyor

TREES

A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
CY	Cypress
E	Elm
EL	Elder
EU	Eucalyptus
F	Fir
FM	Field Maple
FR	Fruit
HZ	Hazel
HC	Horse Chestnut
HO	Holm Oak
HW	Hawthorn
HY	Holly
JM	Japanese Maple
LB	Laburnum
LM	Lime
LO	Locust Tree
LR	Laurel
M	Maple
MG	Magnolia
OK	Oak
P	Pine
PA	Palm
PL	Plane
PM	Plum
PO	Poplar
PP	Pissardii Plum
PR	Pear
R	Redwood
RD	Red Oak
RH	Rhododendron
RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WN	Walnut
Y	Yew

Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

KEY

BT	British Telecom
BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
FH	Fire Hydrant
GSV	Gas Stop Valve
HT	Height
HVC	High Voltage Cable
IC	Inspection Cover
IL	Invert Level
LP	Lamp Post
MH	Man-Hole
MKR	Marker
MW	Monitoring Well
O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
RNP	Road Name Plate
RS	Road Sign
S/A	Soakaway
ST	Stay / Strut
SV	Stop Valve (Unidentified)
TB	Telephone Box
TC	Telecom
TH	Trial Hole
TL	Traffic Light
TP	Telegraph Pole
UTL	Unable to Lift
VP	Vent pipe
WM	Water Meter
WSV	Water Stop Valve

FENCES

BWF	Barbed Wire Fence
CBF	Closed Board Fence
CF	Concrete Post
CPF	Chestnut Paling Fence
CWF	Chicken Wire Fence
IRF	Iron Railing Fence
PKF	Picket Fence
PRF	Post & Rail Fence
PWF	Post & Wire Fence
SCF	Security Fence
SP	Steel Post
WMF	Wire Mesh Fence
WPF	Wood Panel Fence

NORTH SHORE ROAD

S:::R::EY ST::TIO::S

::a::e	Easting	::orthing	Height	Ty::e
S1	4::0::6::43::	::::3::::4::	6:150	::ail
S::	4::0::66.5::	::::63::::5	6:04::	::ail
S3	4::0::6::::::	::::1::::0::	6:0::	::ail
S4	4::0::4::6::	::::4::::5	5::41	Peg
S5	4::0::::::5::	::::4:630	5::5::	Peg
S6	4::0::1:5::0	::::::5:::	5:4::	Peg
S::	4::06::1:440	:::64:643	5::5::	Peg
S10	4::10::4::4::	1001::::0::	5:01::	Peg
S1::	4::0::61::0::	100::::5::40	4::::3	Peg
S13	4::1103:00::	1001::::40::	4::::5	Peg
EP1	4::0::::4:06::	::::::4:6::	::505	::ail
EP::	4::0::65::::::	::::::1:36::	:::::4	::ail
EP3	4::065::::01	::::13:340	:::::1	::ail

Revision B - May 2018
Survey extended to north outfall

Revision A - April 2017
Survey extended to the north

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LAND AT SINAH LANE HAYLING ISLAND HAMPSHIRE	Contract
SITE SURVEY	Title
36HX001B - Sheet 2 of 7	Drawing No.
JUNE 2016	Date
1:250 (A0)	Scale
MJR/ST/MU	Surveyor

TREES

A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
CY	Cypress
E	Elm
EL	Elder
EU	Eucalyptus
F	Fir
FM	Field Maple
FR	Fruit
HZ	Hazel
HC	Horse Chestnut
HO	Holm Oak
HW	Hawthorn
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JM	Japanese Maple
LB	Laburnum
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RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WN	Walnut
Y	Yew

Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

KEY

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BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
FH	Fire Hydrant
GSV	Gas Stop Valve
HT	Height
HVC	High Voltage Cable
IC	Inspection Cover
IL	Invert Level
LP	Lamp Post
MH	Man-Hole
MKR	Marker
MW	Monitoring Well
O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
RNP	Road Name Plate
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SV	Stop Valve (Unidentified)
TB	Telephone Box
TC	Telecom
TH	Trial Hole
TL	Traffic Light
TP	Telegraph Pole
UTL	Unable to Lift
VP	Vent pipe
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WSV	Water Stop Valve

FENCES

BWF	Barbed Wire Fence
CBF	Closed Board Fence
CP	Concrete Post
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WMF	Wire Mesh Fence
WPF	Wood Panel Fence

S::R::EY ST::TIO::S

::a::e	Easting	::orthing	Height	Ty::e
S1	4::0::6.::43::	::::3::::4::	6:150	::ail
S::	4::0::66.5:::	::::63:::5	6:04::	::ail
S3	4::0::6.::::::	::::1::::0::	6:0:::	::ail
S4	4::0::::4::6::	::::4::::5	5::41	Peg
S5	4::0::::::5::	::::::4:630	5::5::	Peg
S6	4::0::::1:5::0	::::::::5:::::	5:4:::	Peg
S::	4::06::1:440	::::64:643	5::5::	Peg
S10	4::10::4::4::	1001::::0:::::	5:01::	Peg
S1::	4::0::61::0::	100::::5::::40	4::::3	Peg
S13	4::1103:00::	1001::::40::::	4::::5	Peg
EP1	4::0::::4:06::	::::::4:6:::::	::505	::ail
EP::	4::0::65::::::	::::::3:36:::	::::4	::ail
EP3	4::065::::01	::::::9:340	::::::	::ail

Revision B - May 2018
Survey extended to north outfall

Revision A - April 2017
Survey extended to the north

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SITE SURVEY	Title
36HX001B - Sheet 3 of 7	Drawing No.
JUNE 2016	Date
1:250 (A0)	Scale
MJR/ST/MU	Surveyor

Draft



TREES	
A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
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E	Elm
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RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WN	Walnut
Y	Yew

Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

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HT	Height
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IL	Invert Level
LP	Lamp Post
MH	Man-Hole
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O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
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WMF	Wire Mesh Fence
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S□R□EY ST□TIO□S

□a□e	Easting	□orthing	Height	Ty□e
S1	4□0□6□43□	□□□3□□□4□	6□150	□ail
S□	4□0□66□5□□	□□□63□□□5	6□04□	□ail
S3	4□0□6□□□□□	□□□1□□□0□	6□0□□	□ail
S4	4□0□□4□□6□	□□□□4□□□5	5□□41	Peg
S5	4□0□□□□□5□	□□□□4□630	5□□5□	Peg
S6	4□0□□1□5□0	□□□□□□5□□	5□4□□	Peg
S□	4□06□1□440	□□□64□643	5□□5□	Peg
S10	4□10□4□□4□	1001□□□0□□	5□01□	Peg
S1□	4□0□61□□0□	100□□5□□40	4□□□3	Peg
S13	4□1103□00□	1001□□□40□	4□□□5	Peg
EP1	4□0□□4□06□	□□□□4□6□□	□505	□ail
EP□	4□0□65□□□□	□□□□1□36□	□□□□4	□ail
EP3	4□065□□□01	□□□13□340	□□□□□	□ail

Revision B - May 2018
Survey extended to north outfall

Revision A - April 2017
Survey extended to the north

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LAND AT SINAH LANE HAYLING ISLAND HAMPSHIRE	Contract
SITE SURVEY	Title
36HX001B - Sheet 4 of 7	Drawing No.
JUNE 2016	Date
1:250 (A0)	Scale
MJR/ST/MU	Surveyor

TREES

A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
CY	Cypress
E	Elm
EL	Elder
EU	Eucalyptus
F	Fir
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Species / Dia / Spread (max) / Ht
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KEY

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BOL	Bollard
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S::R::EY ST::TIO::S

□a□e	Easting	□orthing	Height	Ty□e
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S□	4□0□66 5□□	□□□63□□5	6 04□	□ail
S3	4□0□8□	□□□1□□0□	6 0□	□ail
S4	4□0□□4□6□	□□□□4□□5	5□141	Peg
S5	4□0□□□□5□	□□□□4 630	5□25□	Peg
S6	4□0□□1 5□0	□□□□□5□□	5 4□□	Peg
S□	4□06□1 440	□□64 843	5□25□	Peg
S10	4□10□4□4□	1001□□0□□	5 01□	Peg
S1□	4□0□81□0□	100□□5□40	4□□3	Peg
S13	4□1103 00□	1001□□40□	4□□5	Peg
EP1	4□0□□4 06□	□□□□4 6□□	□505	□ail
EP□	4□0□55□□□	□□□□136□	□□□4	□ail
EP3	4□065□□01	□□□1□340	□□□□	□ail

Revision B - May 2018
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Revision A - April 2017
Survey extended to the north

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36HX001B - Sheet 5 of 7	Drawing No.
JUNE 2016	Date
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36HX001B - Sheet 6 of 7	Drawing No.
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1:250 (A0)	Scale
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M	Maple
MG	Magnolia
OK	Oak
P	Pine
PA	Palm
PL	Plane
PM	Plum
PO	Poplar
PP	Pissardii Plum
PR	Pear
R	Redwood
RD	Red Oak
RH	Rhododendron
RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WN	Walnut
Y	Yew

Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

KEY

BT	British Telecom
BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
FH	Fire Hydrant
GSV	Gas Stop Valve
HT	Height
HVC	High Voltage Cable
IC	Inspection Cover
IL	Invert Level
LP	Lamp Post
MH	Man-Hole
MKR	Marker
MW	Monitoring Well
O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
RNP	Road Name Plate
RS	Road Sign
S/A	Soakaway
ST	Stay / Strut
SV	Stop Valve (Unidentified)
TB	Telephone Box
TC	Telecom
TH	Trial Hole
TL	Traffic Light
TP	Telegraph Pole
UTL	Unable to Lift
VP	Vent pipe
WM	Water Meter
WSV	Water Stop Valve

FENCES

BWF	Barbed Wire Fence
CBF	Closed Board Fence
CP	Concrete Post
CPF	Chestnut Paling Fence
CWF	Chicken Wire Fence
IRF	Iron Railing Fence
PKF	Picket Fence
PRF	Post & Rail Fence
PWF	Post & Wire Fence
SCF	Security Fence
SP	Steel Post
WMF	Wire Mesh Fence
WPF	Wood Panel Fence



Revision B - May 2018
Survey extended to north outfall

Revision A - April 2017
Survey extended to the north

NOTES:

The survey grid has been related to a local determination of OS National Grid using a flat earth projection and metric scale factor of 1, centred on Station S1. Levels are related to OS datum determined from the National GPS Network using OSGM02.

No assumptions should be made regarding the interconnection of manholes. Drainage details have been obtained from surface inspection and should be verified if of critical importance.

The position and height of adjacent buildings have been obtained using higher level reflectorless measurement and may not take account of single storey extensions or conservatories below the line of sight.

Geomatic Surveyors

siteline

Unit E, Woodside
34 Parham Drive
Eastleigh
SO50 4NU

t: 023 8081 1081
f: 023 8081 1012
w: siteline.co.uk

BARRATT DAVID WILSON	Client
LAND AT SINAH LANE HAYLING ISLAND HAMPSHIRE	Contract
SITE SURVEY	Title
36HX001B - Sheet 7 of 7	Drawing No.
JUNE 2016	Date
1:250 (A0)	Scale
MJR/ST/MU	Surveyor

Appendix (E)

Southern Water Mapping & Correspondence (Wastewater)

ATKINS CHECKED

KG

Atkins Global
The Hub, 500
Park Avenue
Bristol
BS32 4RZ

Your ref 46670

Our ref 217118

Date 13 June 2016

Contact searches@southernwater.co.uk
Tel 0845 272 0845
0330 303 0276
Fax 01634 844514

Attention: Andrew Aitken

Dear Customer

Re: Provision of public sewer record extract

Location: Site off North Shore Road and Sinah Lane, Hayling Island, PO11 0EY

Thank you for your order regarding the provision of extracts of our sewer and/or water main records. Please find enclosed the extracts from Southern Water's records for the above location.
We confirm payment of your fee in the sum of £ and enclose a VAT receipt for your

records.

Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure does not exist and may subsequently be found following site investigation. Actual positions of the disclosed (and any undisclosed) infrastructure should therefore be determined on site, because Southern Water does not accept any responsibility for inaccuracy or omission regarding the enclosed plan. Accordingly it should not be considered to be a definitive document.

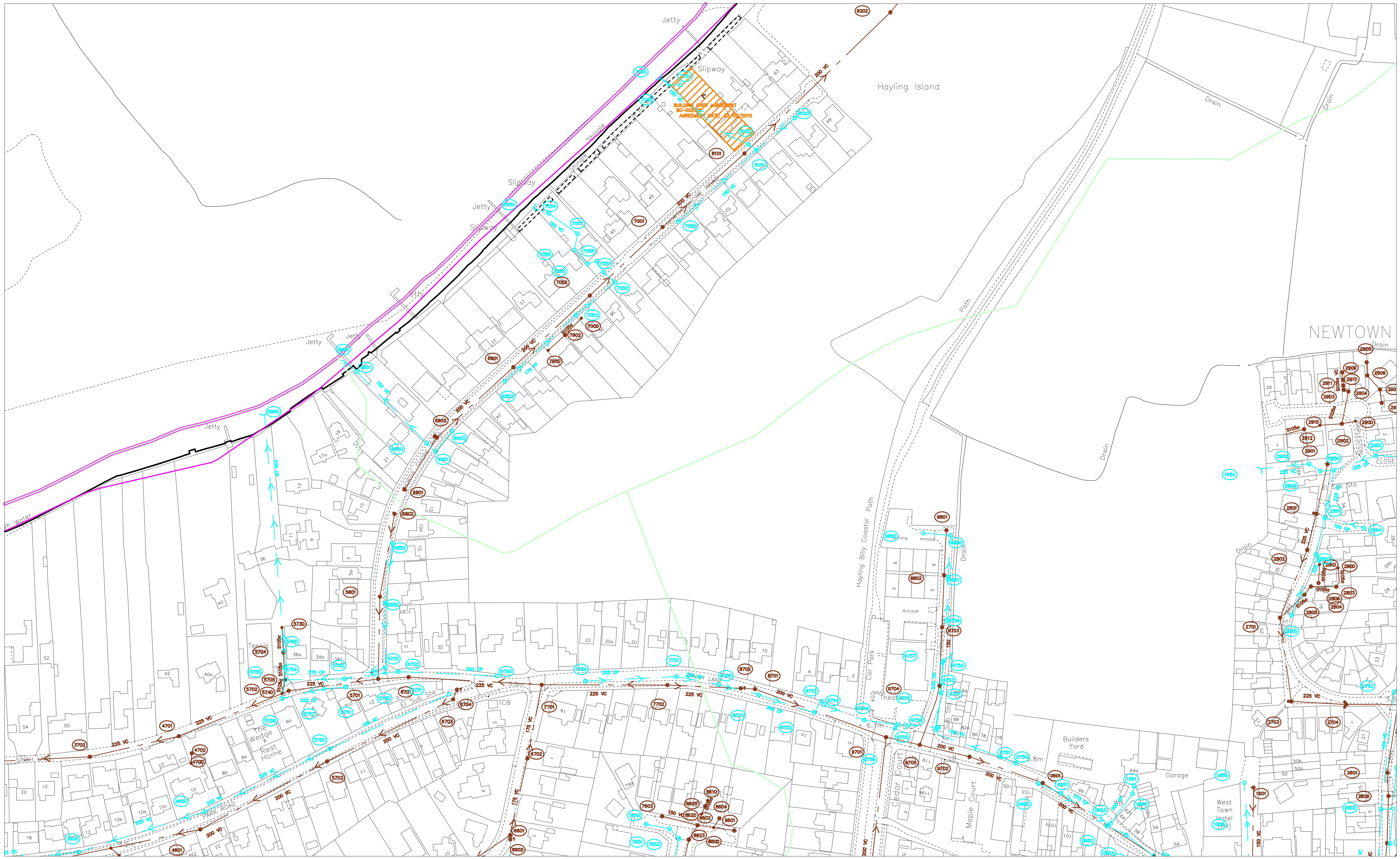
Should you require any further assistance regarding this matter, please contact the LandSearch team.

Yours faithfully

LandSearch

SEWER RECORDS PAGE 1 OF 2

100216



99638

470340

471282

O.S. REF.	Drawn by: yadavsa
SZ7099NE	Scale: 1:2500
Title: 217118_Site off North Shore Ro	Date: 13/06/2016

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy.
The actual positions should be determined on site.
WARNING: BAC pipes are constructed of Bonded Asbestos Cement
WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement

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Licence No. WU 298530.

N

Southern Water

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape
0601X	5.84	3.48	200	VC	CIRC
0650X	5.85	4.78	375	CP	CIRC
0651X	5.83	4.76	375	CP	CIRC
0652X	5.77	4.72	225	CP	CIRC
0653X	5.82	4.78	300	CP	CIRC
0654X	5.93	4.69	375	CP	CIRC
0750X	5.98	5.27	150	VC	CIRC
0751X	5.95	5.19	150	VC	CIRC
1601X	6.08	4.3	150	VC	CIRC
1651X	6.02	4.82	300	CP	CIRC
1652X	6.02	4.8	300	CP	CIRC
1658X			OTHER	CP	RECT
2601X	5.78	2.58	225	VC	CIRC
2602X	5.68	2.72	225	VC	CIRC
2606X	5.73	2.63	225	VC	CIRC
2651X			UNK	UNK	CIRC
2652X	5.79		150	VC	CIRC
2653X	5.56		225	VC	CIRC
2701X	5.43	3.72	225	VC	CIRC
2703X	5.68	3.48	225	VC	CIRC
2704X	5.68	3.3	225	VC	CIRC
2752X	5.62	4.63	225	VC	CIRC
2801X	5.85	3.95	225	VC	CIRC
2802X	5.69	3.84	225	VC	CIRC
2803X			UNK	UNK	CIRC
2804X			UNK	UNK	CIRC
2805X			UNK	UNK	CIRC
2806X			UNK	UNK	CIRC
280DX			UNK	UNK	CIRC
2850X	5.75	4.34	225	VC	CIRC
2851X	5.74	4.45	225	VC	CIRC
2852X	5.79	4.59	225	VC	CIRC
2853X	5.6	4.22	225	VC	CIRC
2854X	5.73	4.78	150	CP	CIRC
2855X	5.38	4.74	225	VC	CIRC
2901X	5.58	4.1	225	VC	CIRC
2902X			UNK	UNK	CIRC
2903X			UNK	UNK	CIRC
2904X			UNK	UNK	CIRC
2905X			100	PF	CIRC
2906X			100	PF	CIRC
2907X			100	PF	CIRC
2909X			UNK	VC	CIRC
290DX			UNK	UNK	CIRC
2910X			UNK	VC	CIRC
2911X			UNK	VC	CIRC
2950X	5.62	4.62	225	CP	CIRC
2952X	5.54	4.18	225	VC	CIRC
3650X	5.02	3.99	225	VC	CIRC
3702X	4.82	2.83	225	VC	CIRC
4601X	5.62		200	VC	CIRC
463DX			200	VC	CIRC
4650X	5.66	4.3	225	VC	CIRC
4701X	4.85	2.99	225	VC	CIRC
470DX			UNK	UNK	CIRC
5701X	5.7	3.42	225	VC	CIRC
5702X	5.39	3.28	225	VC	CIRC
5703X	5.79	3.95	200	VC	CIRC
5704X			UNK	UNK	CIRC
5705X			UNK	UNK	CIRC
573DX			UNK	UNK	CIRC
574DX			225	VC	CIRC
5750X	5.87	4.65	225	VC	CIRC
5751X	5.75	5.15	225	CP	CIRC
5752X	5.89	4.85	375	CP	CIRC
5753X	5.91	4.8	150	VC	CIRC	*
5753Y	5.91		UNK	UNK	CIRC	*
5754X			225	CP	CIRC	
5755X			225	CP	CIRC	
5756X			225	CP	CIRC	
5757X	5.66	5.13	225	CP	CIRC	
5758X	5.26	4.8	225	CP	CIRC	
575DX			375	CP	CIRC	
5801X	5.86	3.58	200	VC	CIRC	
5850X	5.97	4.97	150	VC	CIRC	
5951X	4.82	3.82	150	VC	CIRC	
6601X	6.7	5.04	200	VC	CIRC	*
6601Y	6.7	5.04	175	VC	CIRC	*
6701X	5.78	3.5	225	VC	CIRC	
6702X	6.44	4.55	175	VC	CIRC	
6703X	5.61	4.29	200	VC	CIRC	
6704X			150	VC	CIRC	
6750X	60.03		300	CP	CIRC	
6751X	5.7		150	VC	CIRC	
6753X	5.89	4.85	OTHER	CO	RECT	
6801X	5.93	3.13	200	VC	CIRC	
6802X	6.04	3.79	200	VC	CIRC	
6850X	6.01	5.24	150	VC	CIRC	
6901X	5.68	2.83	200	VC	CIRC	
6902X	5.83	2.99	200	VC	CIRC	
6950X	6	4.76	150	VC	CIRC	
6951X	5.96	4.88	150	VC	CIRC	
6952X	5.94	5.14	150	VC	CIRC	
6953X	5.82	5.04	175	PF	CIRC	
7001X	5.28	2.37	200	VC	CIRC	
7002X	5.54	2.62	200	VC	CIRC	
700DX			UNK	UNK	CIRC	
7050X	5.29	4.49	150	VC	CIRC	
7051X	5.43	4.4	150	VC	CIRC	
7052X	5.54	4.56	150	VC	CIRC	
7053X	5.65	4.78	150	VC	CIRC	
7054X			150	VC	CIRC	
7055X			150	VC	CIRC	
7056X			150	VC	CIRC	
7057X			150	VC	CIRC	
7058X			150	VC	CIRC	
7151X			150	VC	CIRC	
715DX			150	VC	CIRC	
7603X	7.39	6.56	150	VC	CIRC	
7650X	7.24	6.5	150	VC	CIRC	
7651X	7.42	6.44	150	VC	CIRC	
7653X	7.39	6.26	150	VC	CIRC	
7701X	5.85	3.75	225	VC	CIRC	
7702Y	6.04		225	VC	CIRC	*
7702X	6.04	3.95	225	VC	CIRC	*
7750X	5.93	5.35	225	CP	CIRC	
7751X	5.94	5.16	225	CP	CIRC	
7902X			UNK	UNK	CIRC	
8101X	5.1	2.17	200	VC	CIRC	
8150X	5.36	4.55	150	VC	CIRC	
8151X	5.19	4.06	150	VC	CIRC	
8152X	5.18	3.95	150	VC	CIRC	
8601X	7.24	6.53	150	VC	CIRC	
8602X	7.53	6.38	150	VC	CIRC	
8603X	7.39	6.28	225	VC	CIRC	
8604X			UNK	VC	CIRC	
8605X			UNK	UNK	CIRC	
860DX			150	VC	CIRC	
861DX			UNK	UNK	CIRC	
8701Y	6.04	4.96	200	VC	CIRC	
8702X			225	VC	CIRC	
8750X	5.91	4.97	225	CP	CIRC	
8751X	6.03	4.65	300	CP	CIRC	
8752X	5.99	4.54	300	CP	CIRC	
8754X	6.16	5.09	450	CP	CIRC	
9202X	5.69		200	VC	CIRC	
9701X	6.13	3.79	200	VC	CIRC	
9702X	5.96	3.62	200	VC	CIRC	
9703X	6.178	4.273	150	UNK	CIRC	
9704X	6.198	4.006	150	UNK	CIRC	
9705X	6.12	3.73	200	VC	CIRC	
9750X	6.41	5.01	450	CP	CIRC	
9751X	6.22	4.76	525	CP	CIRC	
9752X	6.35	4.88	525	CP	CIRC	
9753X	6.43	4.7	525	CP	CIRC	
9754X	6.07	5.07	450	CP	CIRC	
9755X	6.13	5.58	150	CP	CIRC	
9756X	6.243	5.068	225	UNK	CIRC	
9757X	6.536	4.533	225	UNK	CIRC	
9801X	5.638	4.709	150	UNK	CIRC	
9802X	5.948	4.506	150	UNK	CIRC	
9851X	5.942	4.921	225	UNK	CIRC	
9852X	5.728	4.828	225	UNK	CIRC	

LINE STYLES / COLOURS

- Brown — Foul
- Foul Syphon Sewer
- Foul Vacuum Main
- Foul Rising Main
- Red — Combined
- Combined Syphon Sewer
- Combined Rising Main
- Lateral Drain
- Orange — Building Over Agreement Area
- Dark Blue — Treated Effluent
- Purple — Sludge
- Sewer Catchment
- Section 104 Area
- Light Blue — Surface Water
- Surface Water Rising Main
- Yellow — Private
- Green — Access Shaft
- Decommissioned

MATERIALS

AK	Alkathene
BAC	Bonded Asbestos Cement
BRC	Brick (Common)
BRE	Brick (Engineering)
CC	Concrete Box Culvert
CI	Cast Iron
CO	Concrete (In-Situ)
CP	Concrete (Pre-Cast)
CSB	Concrete Segments (bolted)
CSU	Concrete Segments (unbolted)
DI	Ductile Iron
GRC	Glass Reinforced Concrete
GRP	Glass Reinforced Plastic
MAC	Masonry in regular Courses
MAR	Masonry in random Courses
PE	Polyethylene
PF	Pitch Fibre
PP	Polypropylene
PVC	Polyvinyl Chloride
RPM	Reinforced Plastic Matrix
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
XXX	Other
ZZZ	Unknown

LEGEND - SEWERS

- Manhole (SW)
- Manhole (F&C)
- Lamp hole (SW)
- Lamp hole (F&C)
- Pumping Station (SW)
- Pumping Station (F&C)
- Side entry manhole (SW)
- Side entry Manhole (F&C)
- Blind shaft (SW)
- Blind shaft (F&C)
- Ejector station (SW)
- Ejector station (F&C)
- Watertight door (SW)
- Watertight door (F&C)
- Flushing ch. Mn-e (SW)
- Flushing ch. Mn-e (F&C)
- Flushing ch. No-e (SW)
- Flushing ch. No-e (F&C)
- Demarcation Chamber
- Washout (SW)
- Washout (F&C)
- Rodding Eye (SW)
- Rodding Eye (F&C)
- Gauging point (SW)
- Gauging point (F&C)
- Intercept chamber (SW)
- Intercept chamber (F&C)
- Storm Tank (SW)
- Storm Tank (F&C)
- Vortex chamber (SW)
- Vortex chamber (F&C)
- Label ellipse
- Dummy/S24 manhole
- Outfall
- Penstock chamber
- Damboards
- Storm Overflow
- Backdrop manhole
- Other (s)
- Other
- Change in sewer (s)
- Change in sewer
- Reflux valve
- Flap valve
- Cascade
- Anode
- Valve
- Closed Valve
- Air Valve
- Hatch box (SW)
- Hatch box (F&C)
- Direction arrow
- Emptying valve
- Catchpit
- Soakaway
- Inlet
- Balancing Pond
- Wastewater treatment works
- Marine treatment works
- Outfall headworks
- Vent
- Vent column
- Tidal storage tank
- Blank end
- Head of Public Sewer
- Micro Pumping Station

SHAPES (S)

A	Arched	R	Rectangular
B	Barrel	S	Square
C	Circular	T	Trapezoidal
E	Egg	U	U Shape
H	Horseshoe	X	Other

NODE REFERENCING SYSTEM

- 1st digit: hundred metre easting identifier
- 2nd digit: hundred metre northing identifier
- 3rd digit: sewer type identifier
  - 0-4 = Foul/Combined
  - 5-9 = Surface Water
- 4th digit: next sequential node

Drawn by:	yadavsa
Title:	217118_Site off North Shore Ro
Date:	13/06/2016

Southern Water

Appendix (F)

Portsmouth Water Mapping & Correspondence (Water supply)

A3

Mud

Marsh

Mud

Langstone Harbour

Shingle

Mean High Water

Mean High Water

Shingle

Shingle

Footpath

Hayling Island

Drain

Drain

Path

Drain

Drain

Hayling Billy Coastal Path

Jetty

Slipway

Jetty

Slipway

Jetty

Jetty

Jetty

Jetty

Slipway

Tennis Court

Car Park

Theatre

Builders Yard

Rectory Close

Cedar Close

Maple Court

SALTMARSH LAN

CHARLES STREET

CLOSE

NEWTOWN

Gas Gov

H3263C

H3160C

2158C

2069C

1006

1123

1363

903

TCB

FB

MAINS REQUIRE UPDATING
IN THIS AREA
CONTACT DRAWING OFFICE
FOR DETAILS (H4697)

EXISTING MAIN	WASHOUT FIRE HYDRANT	COMPANY WASHOUT	'C'	'C'	FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
ABANDONED MAIN	FIRE HYDRANT	'C' WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY		'C'	WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
PROPOSED MAIN	PROPOSED FIRE HYDRANT				

ATKINS CHECKED

AP

Portsmouth Water

Registered Office
P.O. BOX NO. 8, West Street, Havant, Hampshire. PO9 1LG.
Registered in England No. 2536455
Telephone: (023) 9249 9888
Fax: (023) 9245 3632
Website: www.portsmouthwater.co.uk

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The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises.The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.

Drg No:

Job No:

OS Ref: SZ7099NE

Scale: 1:3,306

Date: 10/06/2016

Appendix (G)

SSE Mapping and Correspondence

ATKINS CHECKED
ASH

N

NORTHSHORE ROAD

SINAH LANE

FURNISS WAY

STATION ROAD S/S

SINAH LANE S/S

P19666

P/E

A

11kV .05x3w

11kV .05x3w

11kV .0225x3C U/A

11kV .0225x3C

2x11kV .15x3C Al U/A

2x11kV .15x3C Al U/A

2x11kV 150x3C Al XLPE U/A

11kV .04x3C

11kV .1x3C U/A

Theatre

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

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 HMSO)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM HMSO)

BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

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Template: SIAS NRSWA COL A3 plot

Scottish and Southern Electricity plc.
Registered in Scotland No 117119.
Registered Office: Inveralmond House
200 Dunkeld Road,
Perth, PH1 3AQ.

UNCONTROLLED COPY

Subject to Revision Master held at

Scottish and Southern Energy

H.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SZ70819987
Scale: 1:1250
Date: 08/06/2016



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

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 HMSO)

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Template: SIAS NRSWA COL A3 plot

Scottish and Southern Energy plc.
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Registered Office: Inveralmond House
200 Dunkeld Road,
Perth, PH1 3AQ.

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Scottish and Southern Energy

L.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SZ70819987
Scale: 1:1250
Date: 08/06/2016

Watch it!

Safety advice brought to you by
Southern Electric Power Distribution plc and
Scottish Hydro Electric Power Distribution Ltd

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- it is **unreasonable** in all circumstances for it to be dead; and
- it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from HMSO's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from HMSO Head Offices of the Federation of Civil Engineering Contractors and the National Federation of Building Trades Employers.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Energy plc immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Mapping Services office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables.

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Energy plc. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major transmission circuits form an extremely important link in Scottish and Southern Energy's network, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed.

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

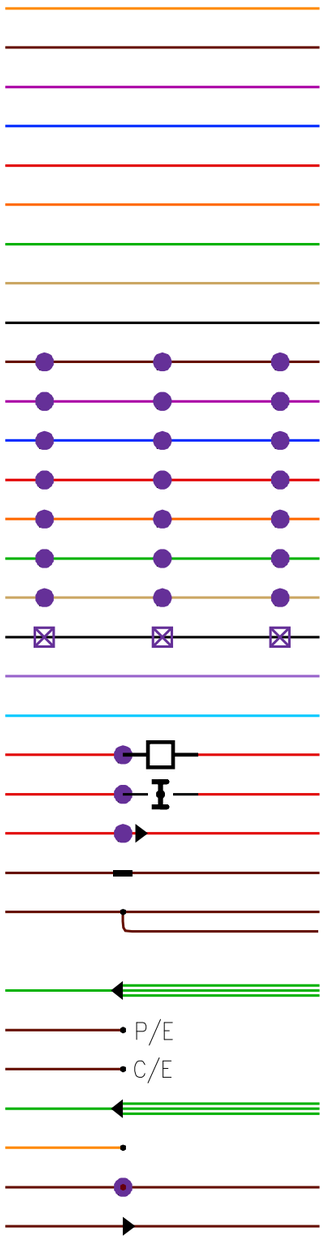
Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

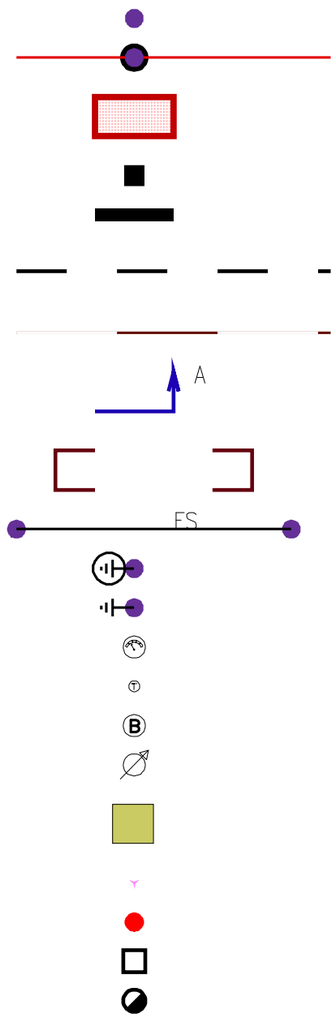
In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

GIS ELECTRIC SYMBOLS (SOUTH)



LV UNDERGROUND SERVICE CABLE
LV UNDERGROUND MAINS CABLE
2KV–3.3KV UNDERGROUND CABLE
6.6KV UNDERGROUND CABLE
11KV UNDERGROUND CABLE
22KV UNDERGROUND CABLE
33KV UNDERGROUND CABLE
66KV UNDERGROUND CABLE
132KV UNDERGROUND CABLE
LV OVERHEAD LINE
2–3.3KV OVERHEAD LINE
6.6KV OVERHEAD LINE
11KV OVERHEAD LINE
22KV OVERHEAD LINE
33KV OVERHEAD LINE
66KV OVERHEAD LINE
132KV OVERHEAD LINE
FIBRE OPTIC CABLE
PILOT CABLE
CIRCUIT BREAKER
SWITCH DISCONNECTOR
POLE BOX
STRAIGHT JOINT
TEE JOINT

TRIFURCATING JOINT
POT END JOINT
CAPPED END JOINT
SEALING END JOINT
SERVICE CONNECTOR JOINT
O/H CONNECTOR JOINT
WALL BOX JOINT



POLE
POLE MOUNTED TRANSFORMER

SUBSTATION
LINK BOX
PILLAR

MAJOR PIPELINE
ASSUMED ROUTE

CROSS SECTION

DUCTING
FLYING STAY
PME EARTH
NEUTRAL EARTH
OIL/GAS GAUGE
OIL/GAS TANK
BALANCER
REGULATOR

PIT
SCHEMATIC CONNECTOR
SUPPLY LOCATION–PROPERTY
SUPPLY LOCATION–OTHER
SUPPLY LOCATION–STREET FURNITURE

Scottish and Southern Energy plc.

DATE: 18/09/2006

SCALE: 1:500

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Master held at

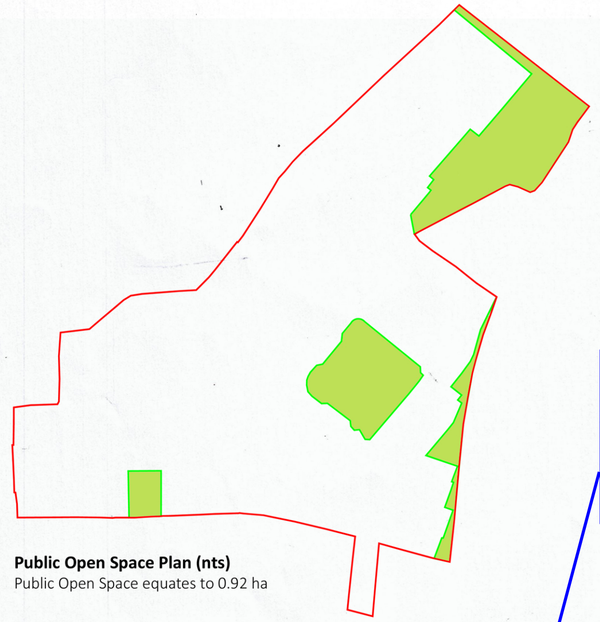
INTERNAL USE ONLY

Sinah Lane, Hayling Island

DO NOT SCALE
All dimensions to be checked on site and Architect to be notified of any discrepancies prior to commencement

DESIGNER'S RISK ASSESSMENT
Construction (Design and Management) Regulations 2015
RESIDUAL RISKS:

REF:	DESCRIPTION	DATE:



Public Open Space Plan (nts)
Public Open Space equates to 0.92 ha

Plan
Scale 1:1000

0 5 10 30 50m

Dismantle the existing PMT (Northshore Road) and install a new 800kVA in the new position (Cost Apportioned between SSEN and the customer)

POC 2 to the existing HV network

POC 1 To the existing HV Network

SUDS
PUMPING STATION
PED LINK
THE ORCHARD
POCKET GREEN

Sinah Lane, Hayling Island

idP PARTNERSHIP NORTHERN

BDW SOUTHAMPTON

			ha	acres
		GROSS SITE AREA	5.87	14.52
		NETT SITE AREA	4.78	11.85

9-May-2018

HOUSE TYPE	BEDROOM/PERSON	DESCRIPTION	STOREYS	NO	MIX	SQ FT	SQ M	TOTAL SQ FT	TOTAL SQ M
Private Mix									
Roseberry	2B/4P	Terr/semi	2	30	22	679	63.1	20370	1893
Folkestone	3B/5P	Terr / Semi	2	44	32	830	77.1	36520	3392.4
Moresby	3B/5P	Semi / Detached	2	32	23	854	79.3	27328	2537.6
Kingsville	3B/5P	Terr / Semi	2	11	8	1078	100.1	11858	1101.1
Chester	4B/6P	Detached	2	11	8	1032	95.9	11352	1054.90
Kingsley	4B/6P	Detached	2	9	7	1079	100.3	9711	902.70
			TOTAL	137	100			117139	10881.70
Affordable Mix									
HT1	2B/3P	Maisonette	2	8	14	722	67.1	5776	536.8
HT2	2B/3P	Maisonette	2	8	14	825	76.6	6600	612.8
T51	2B/4P	Terr/semi	2	22	38	842	78.2	18524	1720.4
TS2	3B/5P	Terr/semi	2	17	29	926	86	15742	1462
T55	3B/5P	Semi	2	3	5	958	89	2874	267
			TOTAL	58	100			49516	4599
		OVERALL TOTALS		195				166655	15480.70

OVERALL DENSITY	
UNITS / ha	40.79
UNITS / ACRE	16.46
SQ M / ha	3239
SQ FT / ACRE	14064

PRIVATE MIX		TOTAL	%
2 BED HOUSE/APT		30	22
3 BED HOUSE		87	64
4 BED HOUSE		20	15
		137	100

OVERALL AFFORDABLE / STARTER MIX	
BEDS	SOCIAL (%)
1/2 BED	38 66
3 BED	20 34
	58 100

NOTE: Nett area and gross area excludes all public open space and associated structural landscaping / buffer planting

REVISION	DATE	DESCRIPTION	CHECKED

idP PARTNERSHIP NORTHERN

BUDGET ESTIMATE

Job Ref: EGD299 Version: 4
Project Name: SINAH LANE, HAYLING ISLAND, PO11 0ED

Scottish & Southern Electricity Networks

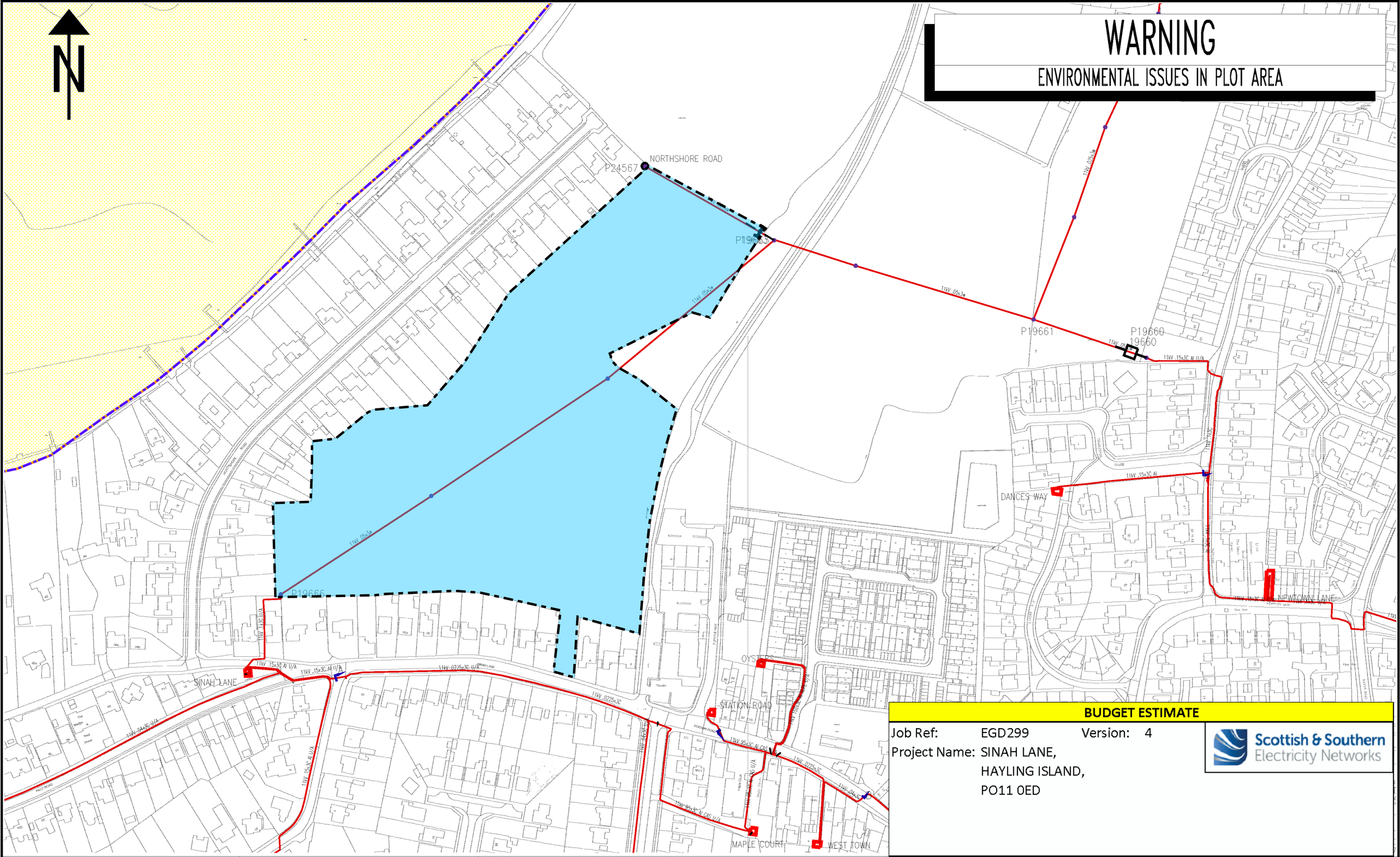
Design Review & Verification Completed

Name: Nick Palmer
Date: 21-May-2018
Drawing No: EGD299 - V4 - HV002
PoC Grid Ref: SZ7065899811
Site Grid Ref: SZ7084099931

Quotation Subject to Wayleaves and Third Party Consents
Customer to complete all on-site excavation & reinstatement and TM

WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA



BUDGET ESTIMATE

Job Ref: EGD299 Version: 4

Project Name: SINAH LANE, HAYLING ISLAND, PO11 0ED

Scottish & Southern Electricity Networks

Design Review & Verification Completed

Name:	Nick Palmer	Drawing No:	EGD299 - V4 - HV001
		PoC Grid Ref:	SZ7065899811
Date:	21-May-2018	Site Grid Ref:	SZ7084099931

Quotation Subject to Wayleaves and Third Party Consents

Customer to complete all on-site excavation & reinstatement and TM

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

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)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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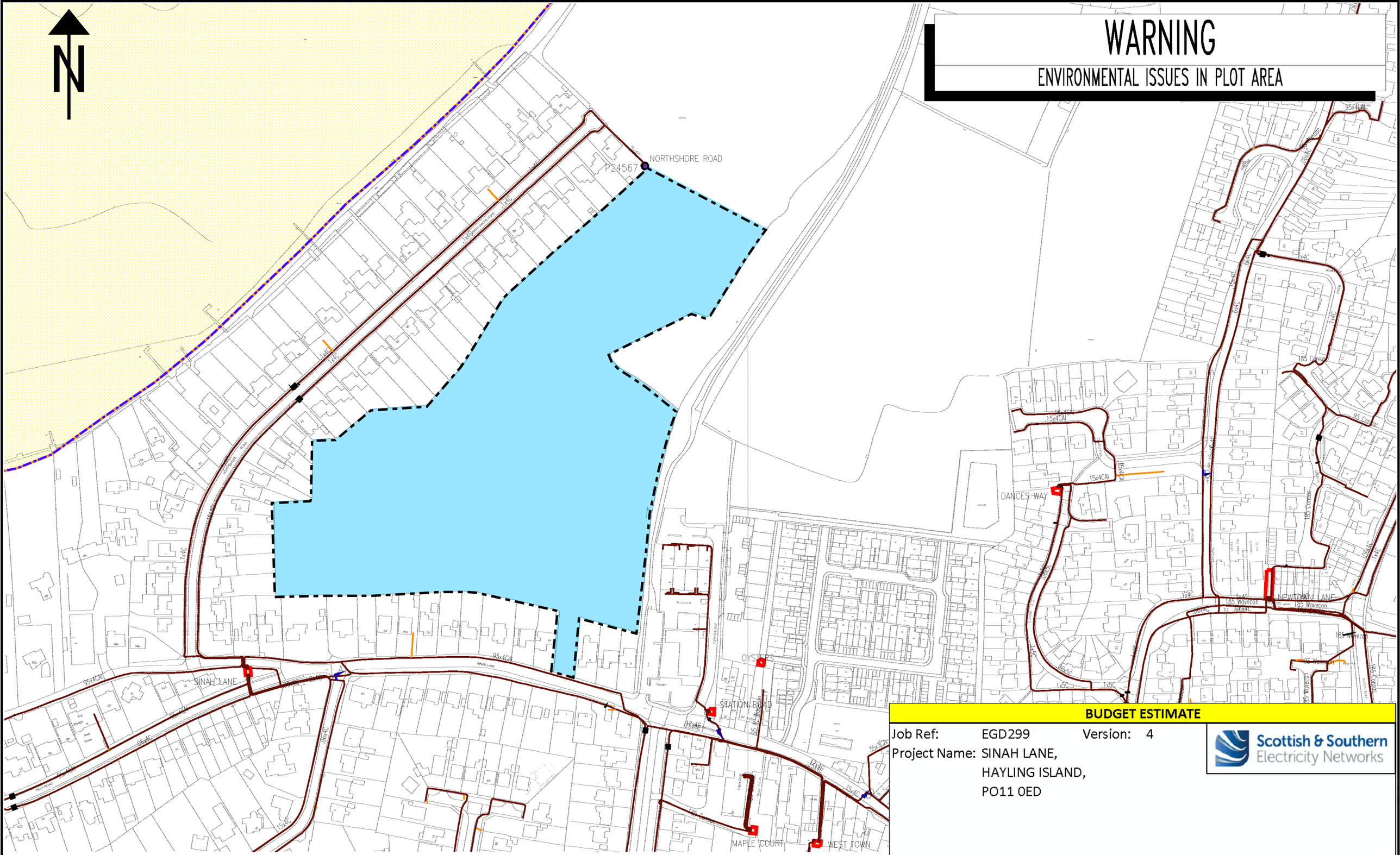
Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

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Subject to Revision Master held at

WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA



BUDGET ESTIMATE

Job Ref: EGD299 Version: 4

Project Name: SINAH LANE,
HAYLING ISLAND,
PO11 0ED

Scottish & Southern Electricity Networks

Design Review & Verification Completed

Name:	Nick Palmer	Drawing No:	EGD299 - V4 - LV001
		PoC Grid Ref:	SZ7065899811
Date:	21-May-2018	Site Grid Ref:	SZ7084099931

Quotation Subject to Wayleaves and Third Party Consents

Customer to complete all on-site excavation & reinstatement and TM

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

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Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

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Subject to Revision Master held at

Our reference: EGD299
Your reference:

Southern Electric Power
Distribution Plc
Connections South,
Walton Park,
Walton Road,
Cosham,
PO6 1UJ

Rogers Cory Partnership Ltd,
Mrs Rachel Staniforth,
The Old School,
Old School Road,
Hook,
Hampshire,
RG27 9NJ

02392 624192
01730 232051
Nicholas.palmer@sse.com
www.ssepd.co.uk

Date: 29th May 2018

Dear Mrs Staniforth,

Proposed New Development at: Sinah Lane, Hayling Island

Thank you for your recent enquiry. I am pleased to provide you with my budget estimate for the new electricity connections at the above development. I have enclosed a copy of our cable records for your information. My initial proposals will be subject to our obtaining all necessary legal consents to carry out the work as indicated, including any consents required from third parties.

This budget estimate has been calculated exclusive of vat. and does not constitute an offer of terms

You should be aware that this estimate reflects the current situation and cannot be guaranteed into the future. Before making any financial commitments based on the indicative price above, please contact me to request a firm quotation.

The budget estimate has been calculated based on a high level assessment, my local knowledge and experience, the information you have provided and the assumptions listed overleaf. It is my best estimate of the costs you would incur for this proposal and is intended for budgetary proposes only.

I trust the information I have provided is of assistance and if I can help further please do not hesitate to contact me. Alternatively, you may find answers to any questions you may have on our web site www.ssepd.co.uk.

Yours sincerely,

Nicholas Palmer
Connections Designer

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www.ssepd.co.uk

Works On Site:

Upgrade the existing PMT and replace with a new 800kVA GMT cost apportioned between SSEN and the customer, dismantle the existing HV overhead line, install new LV infrastructure to supply the new proposed development.

This is based on a desktop assessment only without any site specific conditions being taken into account. It may vary considerably from a formal connection offer.

This is not capable of acceptance and does not secure any network capacity.

You should be aware that this estimate reflects the current situation and cannot be guaranteed into the future. Before making any financial commitments based on the indicative price above, please contact me to request a firm quotation.

The above information has been supplied under the following assumptions;

1. No network studies have been carried out, so the above values are given for the best possible case.
2. *The network or system planners will not impose any other restrictions upon the connection, that may include additional costs for the above project.*
3. Permission to cross 3rd parties land will be allowed for the cable route.
4. These prices quoted are taken to be indicative only and not considered legally binding.
5. The transformers at the Primary S/S are rated for, and have spare capacity for, the requested demand.

The above costs and comments are not legally binding and are for guidance only & do not constitute an offer of terms by Scottish & Southern Electricity Networks plc.

This Quote is based on the developer to do all on site excavation and reinstatement

Additional assumptions and charges

- **Diversion work on existing overhead or underground networks.**
- **Traffic Management Required.**
- **Contaminated Ground.**
- **Legal Easements/Wayleaves etc.**

Important notice: Traffic Management Act - Street Works Permit schemes

Local Authorities in England and Wales are likely to introduce a new Permit Scheme for street works that will include charges for providing the permits. It is not clear at this time which Local Authorities will introduce this scheme, when the scheme will be introduced, which streets will be affected or what the level of charges will be. These charges are not within Southern Electric Power Distribution plc's control, and cannot be absorbed by us.

This quotation excludes any charges that may be levied by the Local Authority in respect of these charges. It is important to note that any such charges which are relevant to this project will be subsequently passed on to you through a separate invoice. In addition to the actual charges from the Local Authority, we will charge to cover our administrative charges. Acceptance of this quotation means that you also accept these additional charges.

You may wish to seek clarification on how these charges may affect you from the relevant Local Authority.

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www.ssepd.co.uk

Safety

We ask you to take note of the following:-

In accordance with the Health & Safety Guidance Note GS6, you are required to take every precaution to ensure that cranes, tipper lorries, scaffolding, ladders and other plant employed on your works are kept at a safe distance from overhead electric lines and their supports and that such supports are not disturbed by excavations. Goal posts with height restriction will need to be placed at appropriate locations for vehicles passing underneath Scottish and Southern Energy Power Distribution's overhead lines.

In accordance with Health & Safety Executive Guidance Note HS (G) 47 care will also be necessary when digging in proximity to underground cables, particular if mechanical excavators are used.

Overhead lines, underground cables and other electrical plant must be regarded as being "live". Before commencing work in proximity to such plant written notification must be given to Scottish and Southern Energy Power Distribution.

If during the course of your works, any cable should be damaged by you/or your contractors, then this fact must be reported to our Emergency Service Centre on 08000 72 72 82 (Southern Electric Power Distribution plc) immediately. The cost of any repairs will be fully rechargeable.

Locating cables on site

The drawings that I have enclosed with this quotation are not suitable for locating cables on site. To obtain the latest copies of our cable records please send a plan of the area in question together with your contact details to:

Mapping Services
Scottish and Southern Energy Power Distribution
P O Box 6206
BASINGSTOKE
RG24 8BW

Tel: 01256 337294
Fax: 01256 337295

Requesting details of any Scottish and Southern Energy Power Distribution plant and cables in the area. You must excavate hand-dug trial holes to establish the actual positions of all cables before any mechanical excavation works commence.

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www.ssepd.co.uk

Appendix (H)

SGN Mapping & Correspondence

ATKINS CHECKED

KaW

Our Ref: SO/0081221
Your Ref: 46670/SuC

Stacy-Ann Thomas
Atkins
The Hub
500 Park Avenue
Aztec West
Almondsbury
Bristol, BS32 4RZ

SGN
SHE Administration Team
Plant Protection
95 Kilbirnie Street
Glasgow
G5 8JD

Phone: 0800 912 1722

Email: plantlocation@sgn.co.uk

Date: 29/06/2016

Dear Customer,

Enquiry at: Site off North Shore Road andSinah Lane, Hayling Island PO11 0ED

Searches - Important information required

Thank you for contacting us about the above location. If your client plans to carry out any on site works they must contact us directly so that we can do a full safety and engineering risk assessment before any work begins.

Listed below is the minimum information we would need from your client:

- Full contact details (name, company name, address, telephone number and e-mail address).
- Full site address, post code and easting/northing grid reference.
- Plan showing the site boundary.
- Details of the work to be carried out.
- The proposed start date (please specify if work is at the planning stage).

Please send the information to:

plantlocation@sgn.co.uk

Alternatively post to: SGN, SHE Administration Team, Plant Protection, 95 Kilbirnie Street, Glasgow G5 8JD

Or, Fax: 0141 429 6432

Damage to our pipes can be extremely dangerous for your employees and the general public. The cost to repair our pipelines following direct or consequential damage will be charged to your organisation.

Please ensure we are able to gain access to our pipeline throughout the duration of your operations.

Smell gas?
Call 0800 111 999

SGN is a brand name of Scotia Gas Networks Limited
Registered in England & Wales No. 04958135
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ
Authorised and regulated by the Financial Conduct Authority

While the information we give and the location of our network assets is correct to the best of our knowledge its accuracy cannot be guaranteed. To confirm the location of our assets on the site, please contact us to arrange a site visit before the work begins.

If you require any further information please contact the number below.

Yours faithfully,

Alison Mair

Manager

0800 912 1722

SGN is a brand name of Scotia Gas Networks Limited
Registered in England & Wales No. 04958135
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ

Authorised and regulated by the Financial Conduct Authority

SU7000SW

SU7000SE

SU7100SW

SZ7099NW

SZ7099NE

SZ7099SW

SZ7099SE

SZ7199NW

SZ7199SW

Mean High Water

Mud

Hayling Island

Jetty

Slipway

Shingle

Path

Drain

NORTH HAM ROAD

SEAVIEW ROAD

SEA FRONT

SEAVIEW ROAD

SEA FRONT

SWAN LANE

ST THOMAS AVENUE

ST CATHERINE'S ROAD

RYDE ROAD

STANTON AVENUE

HIGHLAND DRIVE

Main found to be 180 PE and in this position. Full extent unknown. Dated: 27/01/2012 DR4: 214001

5" St LP found in this location, extent unconfirmed. Dated: 13/10/2006 DR4: SGN4722

Pipe found. Route and extent unconfirmed. Dated: 07/07/2004 DR4: SGN4723

2" Steel found in this location. Make and date unconfirmed. Steel found at various locations 07/08/2013 DR4: 220818

Abandoned asbestos main. Pipe starts in Sea Front road and continues in f/p up Stanton Ave to end in Station Road junction. 726m long. RON0629116910 Dated: 31/08/82 DR4/Ref: ASB30117

DR4: 5247 PCL FOUND

Abandoned asbestos main. Pipe starts in Sea Front road and continues in f/p up Stanton Ave to end in Station Road junction. 726m long. RON0629116910 Dated: 31/08/82 DR4/Ref: ASB30117

0 80 Meters

SCALE 1: 2305	LP MAINS
USER ID: lm67730	MP MAINS
DATE: 29/06/2016	IP MAINS
INTERNAL USE ONLY	LHP MAINS
GRID REFERENCE:	HISTORY DATA
E470814,N99877,SZ 70 99	LAs
	GTs SSSIs

Some examples of Plant items:

Valve Depth of Cover Syphon Diameter Change Material Change

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 Plant Protection Team on 08450703497 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.

INTRANET MAP VERSION 2.1

Hampshire County Area

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Appendix (I)

Telecommunications Mapping and Correspondence

Our Ref: Ref shown on map

email: DBYD@openreach.co.uk
Phone: 0800 023 2023. Option 5

Date of issue shown on map

ATKINS CHECKED
ASH

Dear Customer,

NR & SW ACT 1991 – PROPOSED WORKS AT:

Prior to commencement of work: for free onsite guidance and accurate up to date location of BT plant please contact our Plant Protection Service by the following methods
Email Dial before you dig DBYD@openreach.co.uk
Visit the website www.dialbeforeyoudig.com

Thank you for your request of describing the above proposals.

Enclosed are copies of our drawing marked up to show the approximate locations of BT apparatus which is present in the immediate vicinity of your works. It 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 made near to British Telecommunications plc apparatus which may exist at various depths and may deviate from the marked route.

To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of British Telecommunications plc plant. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to the above address, these will be forwarded to the appropriate department for their comments.

Please ensure you quote our reference on any future correspondence.

Yours faithfully,

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.

DIAL BEFORE YOU DIG

FOR PROFESSIONAL ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS

ADVANCE NOTICE REQUIRED
(Office hours: Monday-Friday 08.00 to 17.00)

Tel: 0800 9173993
E-mail: dbyd@openreach.co.uk
Website: www.dialbeforeyoudig.com

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office
(C) Crown Copyright British Telecommunications plc 100028040

KEY TO BT SYMBOLS

UNDERGROUND PLANT		POLE	
A/C D/W or W OVERHEAD PLANT		CABINET	
JOINT BOX		BURIED JOINT	
456 OR 456 DISTRIBUTION POINT		J JOINTING POST	
OR 72 MANHOLE		PROPOSED U/G	
DP BOUNDARY		A/C D/W or W PROPOSED O/H	
OR OTHER BT BOUNDARY		PROPOSED BOX	

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

openreach
a BT Group business

BT Ref : EEX115590
Map Reference : (centre) SZ7081399877
Easting/Northing : (centre) 470813,99877
Issued : 08/06/2016 11:56:04

FOOTNOTE: WARNING IT IS ESSENTIAL THAT YOU CONTACT NATIONAL NETWORK HANDLING CENTRE BY EMAIL nnhc@openreach.co.uk BEFORE PROCEEDING WITH ANY WORK IN THE HATCHED AREA

ATKINS CHECKED
JM

ATKINS
The Hub, 500 Park Avenue,
Aztec West,
Almondsbury,
Bristol,
BS32 4RZ

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2

Plant Enquiry Ref:	VM.150236
Letter Date	13.06.2016
Your Ref:	46670
Date:	14.06.2016

Dear Sir/Madam,

Enquiry Location: Site off North Shore Road and Sinah Lane, Hayling Island

Thank you for your enquiry regarding work at the above location.

I enclose a copy of our above referenced drawing, marked to show the approximate position of plant owned and operated by Virgin Media.

You will be aware that you have a duty to ensure that no damage results to this equipment as a result of your proposed works. Please note that this apparatus may contain Fibre Optic, Coaxial and/or 240v Power Cables and as such, special care must be taken when excavating this area.

Should you require Virgin Media apparatus to be diverted to accommodate your works and require a detailed estimate, please send a cheque to the value of £720.00 (Bus) / £240.00 (Res) Inc VAT to:

Diversionary Works, Virgin Media, 1 Dove Wynd, Strathclyde Business Park Bellshill ML4 3AL

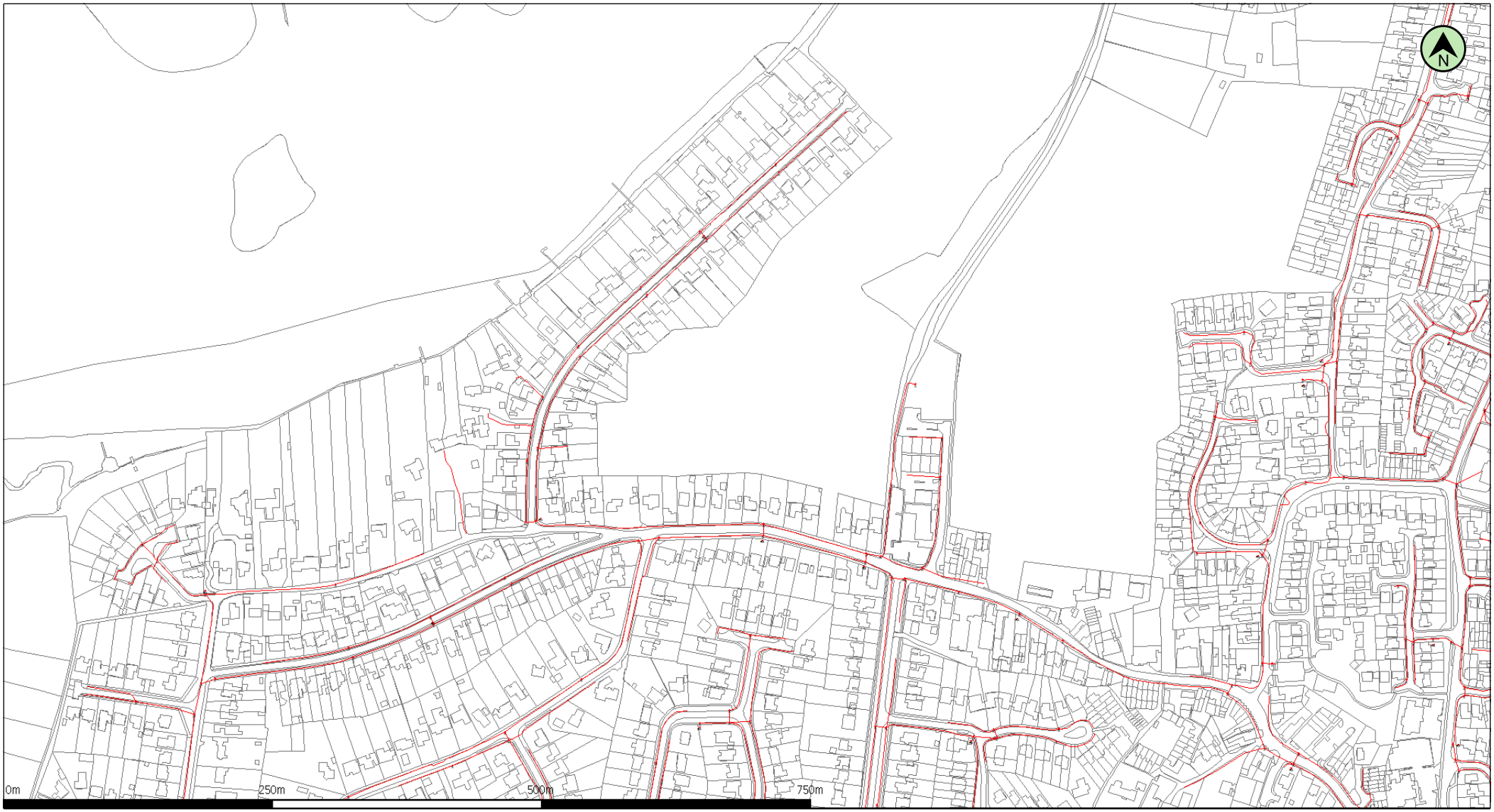
Or Call the Diversionary Team on: 0800 408 0088 Option 1

Should your request be in relation to a new development and you require an estimate to be prepared for Virgin Media to service your proposed development, please submit this request for costs along with site drawings (scale 1:500) to the New Build Team also at the above address.

Yours faithfully

National Plant Enquiries Team, email: plant.enquiries.team@virginmedia.co.uk

Please note: National Plant Enquiries are now able to accept all major cards with the exception of American Express for credit/debit card payments. If you wish to use this



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Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the 'Affected Postcodes.pdf', which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2016 Ordnance Survey 100019209.

Duct, Trench

Chamber

Cabinet

anilyere.kumar@virginmedia.co.uk

VM.150236

ATKINS CHECKED
JM

ATKINS
The Hub, 500 Park Avenue,
Aztec West,
Almondsbury,
Bristol,
BS32 4RZ

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2

Plant Enquiry Ref:	VM.150236
Letter Date	13.06.2016
Your Ref:	46670
Date:	14.06.2016

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Diversionary Works, Virgin Media, 1 Dove Wynd, Strathclyde Business Park Bellshill ML4 3AL

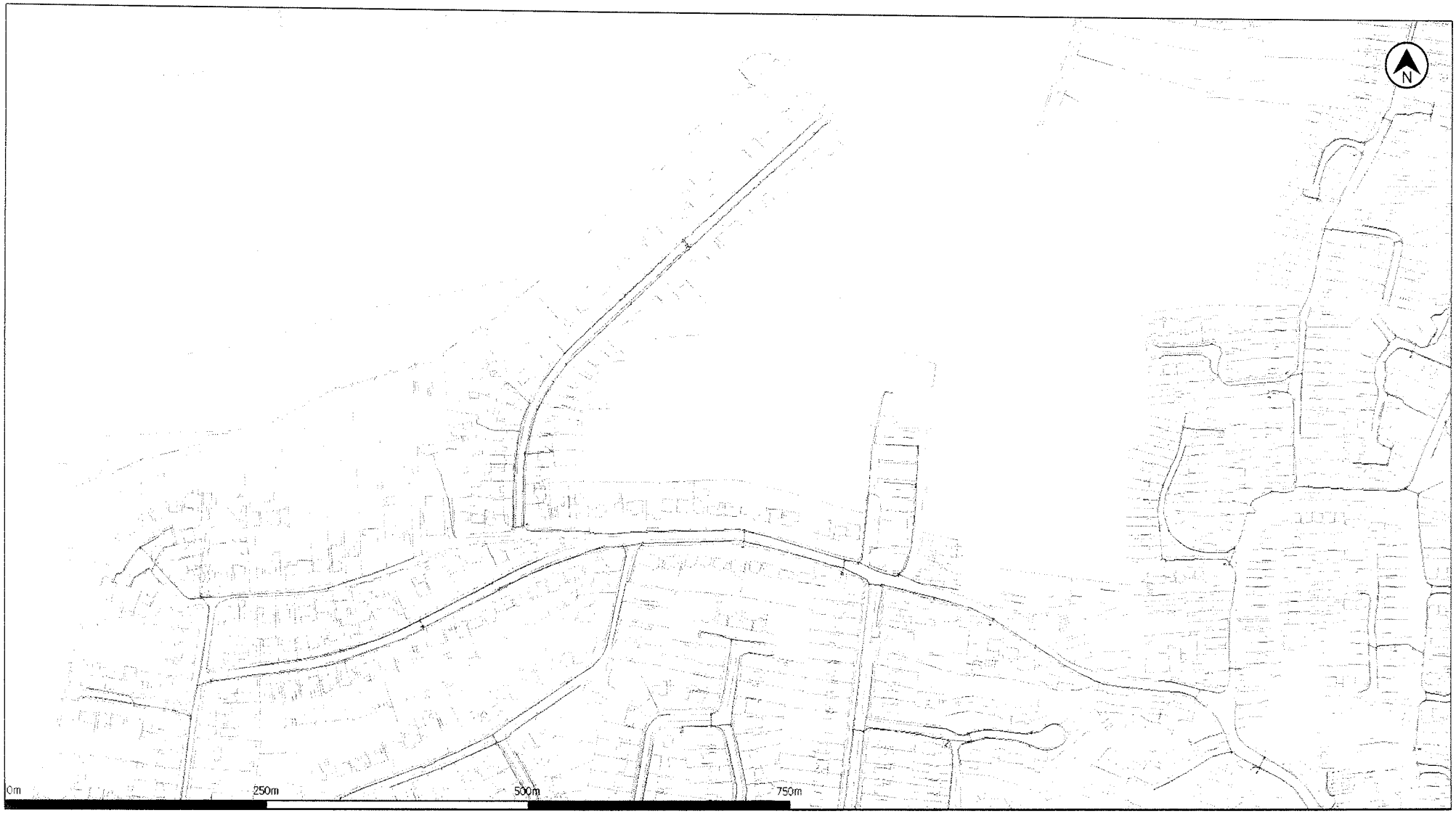
Or Call the Diversionary Team on: 0800 408 0088 Option 1

Should your request be in relation to a new development and you require an estimate to be prepared for Virgin Media to service your proposed development, please submit this request for costs along with site drawings (scale 1:500) to the New Build Team also at the above address.

Yours faithfully

National Plant Enquiries Team, email: plant.enquiries.team@virginmedia.co.uk

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Duct, Trench — Chamber — Cabinet

anilyere.kumar@virginmedia.co.uk

VM.150236