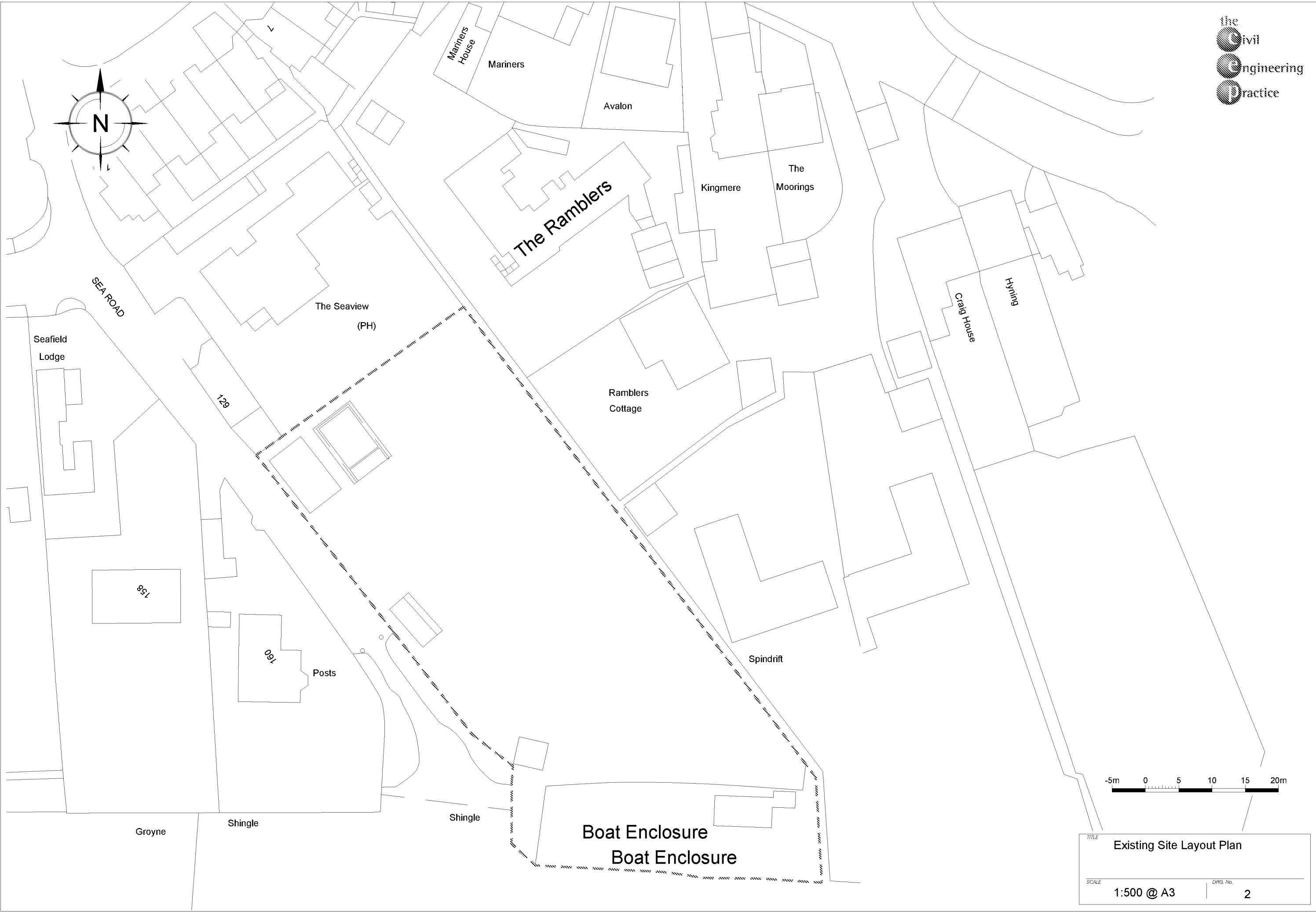


Appendix 2

Existing Site Layout Plan



Appendix 3

Sewer Records

101751



TQ0701NW



Southern
Water

ARUN DISTRICT COUNCIL EP/180/18/PL
FOZAGC

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape
0501X	6.07	2.02	175	VC	CIRC	4501X	6.37	3.75	225	VC	CIRC												
0502X	6.03	2.33	200	VC	CIRC	9504X	6.04	5.29	225	VC	CIRC												
0503X	6.14	5.25	225	VC	CIRC	9601X	5.85	2.85	150	VC	CIRC												
0604X	6.16	3.59	150	VC	CIRC	9602X	5.79	1.89	225	VC	CIRC												
0605X	6.07	3.22	175	VC	CIRC	9604X			100	PE	CIRC												
0701X	6.29	4.09	150	VC	CIRC	9605X			100	PE	CIRC												
0702X	6.55	3.56	200	VC	CIRC	9606X			100	PE	CIRC												
0703X			UNK	UNK	UNK	9607X			100	PE	CIRC												
1501X	5.29	3.31	175	VC	CIRC	960DX			100	PE	CIRC												
1502X	5.87	4.92	225	VC	CIRC	9701X	5.92	2.22	225	VC	CIRC												
1503X	5.69	2.71	225	VC	CIRC																		
1601X	5.72	4.9	225	VC	CIRC																		
1602X	5.86	4.84	225	VC	CIRC																		
1603X	5.98	4.74	225	VC	CIRC																		
1604X	6.05	3.6	150	VC	CIRC																		
1605X	6.07	4.92	225	VC	CIRC																		
1606X	5.76	3.01	175	VC	CIRC																		
1608X			UNK	UNK	CIRC																		
1609X			UNK	UNK	CIRC																		
160DX	6.06	4.8	225	VC	CIRC																		
160FX			225	VC	CIRC																		
1610X			150	VC	CIRC																		
1611X			150	VC	CIRC																		
1612X			150	VC	CIRC																		
1613X			UNK	UNK	UNK																		
1615X			UNK	UNK	UNK																		
1616X			150	VC	CIRC																		
1618X			UNK	UNK	CIRC																		
1628X			UNK	UNK	CIRC																		
1638X			UNK	UNK	CIRC																		
1648X			UNK	UNK	UNK																		
164DX			UNK	UNK	UNK																		
1701X	6.39	5.04	150	VC	CIRC																		
1702X	6.48	5.86	150	VC	CIRC																		
1703X	6.48	5.75	150	VC	CIRC																		
1704X			100	VC	CIRC																		
1705X			100	VC	CIRC																		
1706X			100	VC	CIRC																		
1707X			150	VC	CIRC																		
1708X			150	VC	CIRC																		
1709X			UNK	UNK	CIRC																		
1708X			150	VC	CIRC																		
1710X			150	VC	CIRC																		
1711X			UNK	UNK	UNK																		
1711Y			UNK	UNK	UNK																		
172DX			UNK	UNK	UNK																		
173DX			UNK	UNK	UNK																		
2601X	6.08		225	VC	CIRC																		
2602X	5.82	4.82	225	VC	CIRC																		
260DX			225	VC	CIRC																		
2703X	6.61	5.79	150	VC	CIRC																		
271DX			UNK	UNK	CIRC																		
3501X	6.23	4.1	225	VC	CIRC																		
3502X			UNK	UNK	CIRC																		
3503X			UNK	UNK	CIRC																		
3504X			UNK	UNK	CIRC																		
3505X			UNK	UNK	CIRC																		
350DX			UNK	UNK	CIRC																		
351DX			UNK	UNK	CIRC																		
352DX			225	VC	CIRC																		
354DX			UNK	UNK	CIRC																		
35ADX			UNK	UNK	CIRC																		
3601X	6.72	4.29	225	VC	CIRC																		
360DX			UNK	UNK	CIRC																		
3701X	6.48	5.23	150	VC	CIRC																		

LINE STYLES / COLOURS

Brown

----- Foul

----- Foul Syphon Sewer

----- Foul Vacuum Main

----- Foul Rising Main

----- Combined

----- Combined Syphon Sewer

----- Combined Rising Main

----- Lateral Drain

----- Building Over Agreement Area

----- Treated Effluent

----- Sludge

----- Sewer Catchment

----- Section 104 Area

----- Surface Water

----- Surface Water Rising Main

----- Private

----- Access Shaft

----- Decommissioned

MATERIALS

AK Alkaline

BAC Bonded Asbestos Cement

BRC Bricks (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

GRG 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 Vertifluid 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. Min-e (SW)

Flushing ch. Min-e (F&C)

Flushing ch. No-e (SW)

Flushing ch. No-e (F&C)

Demonstration 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

Backdrop manhole

Other (s)

Other

Change In sewer (s)

Change In sewer

Rafflux valve

Flap valve

Cascade

Anode

Valve

Closed Valve

Air Valve

Hatch box (SW)

Hatch box (F&C)

Direction arrow

Emptying valve

Catchpit

Demiboards

Storm Overflow

Balancing Pond

SHAPES (S)

A Arched

B Barrel

C Circular

E Egg

H Horseshoe

R Rectangular

S Square

T Trapezoidal

U U Shape

X Other

NODE REFERENCING SYSTEM

1st digit: hundred metre easting identifier

2nd digit: hundred metre northing identifier

3rd digit: sewer type identifier

4th digit: next sequential node

Drawn by:

gujskew

Title:

295136_Sea Road Preston

Date:

30/05/2018



101728



101486

506929

LEGEND - MAINS

	Distribution Main / Communication pipe		Clockwise closing valve
	Trunk Main		Fire Hydrant
	Raw water main		Washout
	Non potable		Washout hydrant
	Abandoned main		Meter
	Proposed Main		Capped end
	Fire main		Emptying plug
	Non SWS		Stopcock
	Sluice valve		Leak Noise Correlator Survey Point
	Closed valve		Anode
	Air valve		Telemetry cable
	Butterfly valve		Access point / hatchbox
	Pressure reducing valve		
	Reflux valve		
	Motorised valve		

WARNING: S&AC pipes are constructed of Bonded Asbestos Cement

MATERIALS

	Dialysis machine	Alkathene
	Break pressure tank	Cast iron
	Change node	Spun (grey) iron
	Pumping station	Concrete
	Booster station	Ductile iron
	Insertion Flow Meter Point	Bonded Asbestos Cement
	Water tower	Glass reinforced plastic
	Service reservoir	Glass reinforced epoxy
	Water Supply Works	(Unplasticised) Polyvinyl chloride
	Bore hole / Well	Polyethylene
	Intake	Steel
	Customer site	Concrete segments bolted
	Swab insertion point	Concrete segments unbolted
		Galvanised iron
		Ductile sleeve
		Concrete pre-stressed
		High performance polyethylene
		Unknown

WARNING: Unknown (LINK) materials may include Bonded Asbestos Cement

AK
CI
SI
CO
DI
BAC
GRP
GRE
PVC
PE
ST
CSB
CSU
GI
DS
CPS
HPE
??

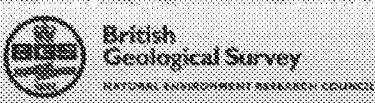
Drawn by:	gujskew
Scale:	1:1250
Date:	30/05/2018
The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd. accept no responsibility in the event of inaccuracy. The actual positions of pipes should be determined on site.	
Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.	

O.S.Ref: TQ0701NW

TITLE: 295136_Sea Road Preston

507412

Appendix 4
BGS Geological Borehole Data



Geology of Britain viewer

Try the Beta version of our 3D Geology of Britain viewer



More BGS map viewers

Current
Geology

3D
Models

Borehole
Scans

Earthquake
Timeline

Borehole Scans

Click on a borehole to view scan.

Borehole depth

0 - 10m

10 - 30m

30m+

Unknown

Confidential or Restricted

More on boreholes

Go to
Location

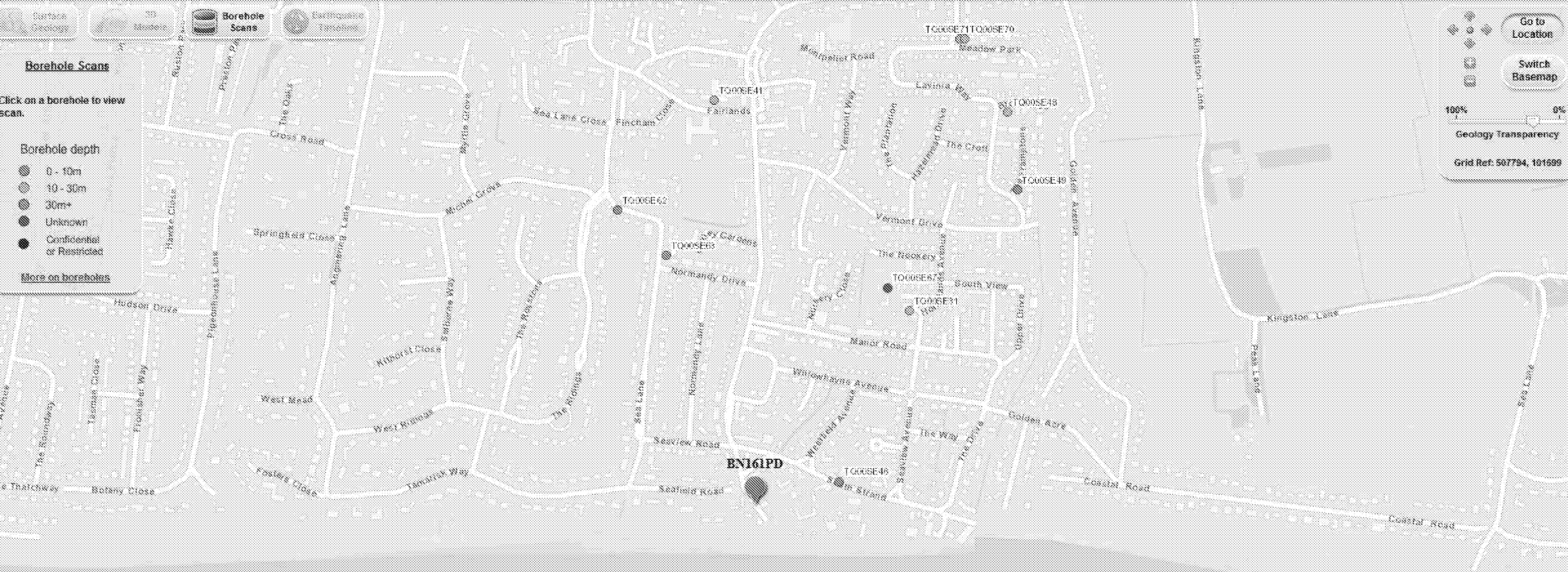
Switch
Basemap

100%

0%

Geology Transparency

Grid Ref: 507794, 101699



WELL BORING at *Chapman on 16a*

Geol. map 1 in map 100 Series

Made by

Sunk

feet.

Index

test.

Communicated by

Height above Ordnance Datum

Best form of water

2344

Quality (with copy of analysis on separate sheet)

2010-10-26 10:00

TQ 073 016

BIOLOGICAL NITRIFICATION

NATURE OF STATE.

2000

5571

11/23/2011

Yong Jordan

of 2.58x.

page 46

Brp	{ Clay	{ Brickwork				
	{ Lined mud gravel	{ Brighton Road Bench	6	8	6	8
Upper Chalk.	Chalk and flint.		130		20	
					150	

BLW 11 ft down, Feb 22nd 1942 f.p. down. tested

Lines in taken 10. 4. 34.

Information for Messrs Duke and Akers, etc.

David Brown Zerkow

Angmering-on-Sea—Map N.S.G. 332.

18. SOUTH STRAND WATERWORKS, $\frac{1}{2}$ mile S.E. of Angmering railway station. 1905. Ht. above O.D. about 20 ft. Map c46.09
61 S.E.

		Thickness	Depth	
		Ft.	Ft.	
	Drift	6	6	1.8
	{ Clay	14	20	6.1
	{ Sand and gravel	130	150	45.7
U.C.P.	Upper Chalk			
M.S.	Chalk and Flint			

R.L.W. 11 ft. down. Yield, 2,214 g. p. hour, tested. Lined 8 in. tubes to 43 ft. Information from Messrs. Duke and Ockenden, Ltd.

75NCE

No trace. ? 1941.

DATA Break

TG 073 016

7000 160

332/24 South Strand Waterworks, Angmering-on-Sea. (Disused)

U.S.S. III, p. 46. Surface *c. 20. Lining tubes: 43 x 8 in from surface.

H.W.L. *c.9. Yield 2,314 g.p.h. (test). Dando, 1925.

Gericht, 1925.

Drift	***	***	***	30	30
UCR)					
PAC)	***	***	***	130	150

Drift	{ clay	6	6
	{ Sand & gravel	14	20
vea	{ Chalk & flint	130	150
rt. ch.			



Norwest Holst Soil Engineering Ltd.

Borehole No.

2

Contract No. F5316

BOREHOLE LOG

Sheet 1 of 1

Location: Sea Lane

Client: Arun District Council

Method of Boring: Percussion

Diameter of Borehole: 150 mm

Chainage:

Ground Level: m.A.O.D.

Date: 17/8/82

TQ 00 SE 63

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/P.O.D. %	Daily Progress
MADE GROUND: Dark brown sandy CLAY.		1.30					
Firm brown sandy CLAY.		2.20					
Soft to firm pale brown silty CLAY with chalk and flint gravel.		4.00					

Type of Sample

- ☒ S.P.T. ☒ Undisturbed
- ☒ C.P.T. ☒ Vane
- ☒ Jar ☒ Water
- ☒ Bulk ☒ Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.

RECORD OF WELL (SHAFT OR BORE)

At ~~the~~ S.W. Sussex Tennis Club. T0000103
Town or Village. Angmering-on-Sea County Sussex A.B.
Exact site ~~marked on town map in file 1047~~

Exact site _____

in parish of

Level of ground surface above sea-level (O.D.).....ft. If well starts below ground surface, state how far.....ft.

Shaft _____ ft., diameter _____ ft. Bore _____ ft. Diameter of bore: at top _____ ins.; at bottom $7\frac{1}{2}$ ins.

Details of permanent lining tubes (internal diameters preferred)..... 12 x 4 1/2 in.

A. T. 0342 0191

Water struck at depths of (feet)

Rest-level of water ^{below} ~~above~~ top of well 7 feet. Suction at _____ feet. Yield on _____ hours' ^{days} test.

720 gallons per hour (with pump of capacity g.p.h.); depressing water level to feet.

below top. Time of recovery.....hrs. Amount normally pumped daily.....g.p.h. for.....hours.

Quality (attach copy of analysis if available)

Sunk by U.S. Navy for Mr. W. H. H. H. H. H. Date of well 1936

Information from _____

[illegible]

For Sources use only:

Date received 5/2/4	U.S.M. Office File No. 647	Site marked on 1" map (use symbol) 
------------------------	----------------------------------	---