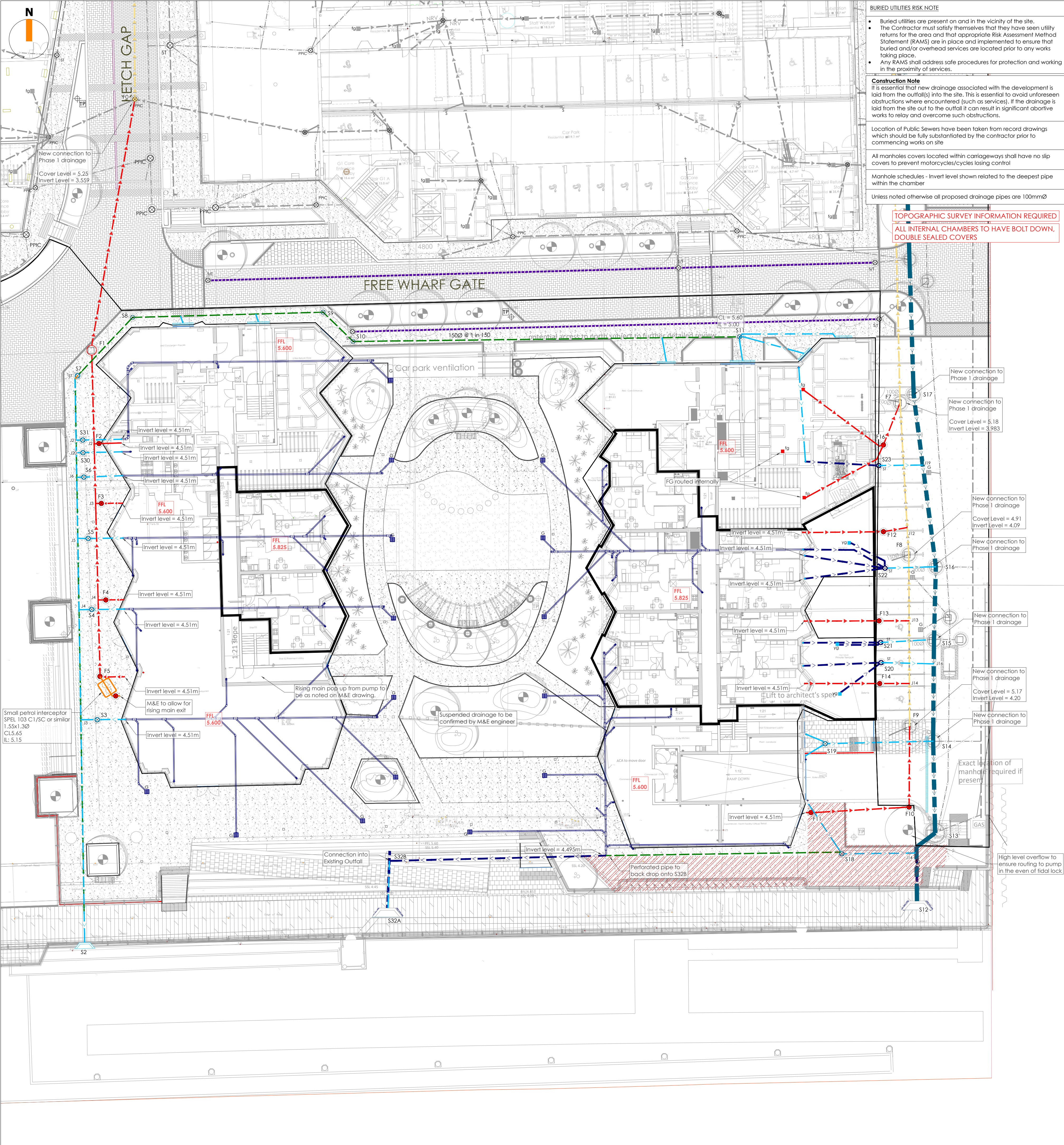




BURIED UTILITIES RISK NOTE

- Buried utilities are present on and in the vicinity of the site.
- The Contractor must satisfy themselves that they have seen utility returns for the area and that appropriate Risk Assessment Method Statement (RAMS) are in place and implemented to ensure that buried and/or overhead services are located prior to any works taking place.
- Any RAMS shall address safe procedures for protection and working in the proximity of services.

Construction Note

It is essential that new drainage associated with the development is laid from the outfall(s) into the site. This is essential to avoid unforeseen obstructions where encountered (such as services). If the drainage is laid from the site out to the outfall it can result in significant abortive works to relay and overcome such obstructions.

Location of Public Sewers have been taken from record drawings which should be fully substantiated by the contractor prior to commencing works on site

All manholes covers located within carriageways shall have no slip covers to prevent motorcycles/cycles losing control

Manhole schedules - Invert level shown related to the deepest pipe within the chamber

Unless noted otherwise all proposed drainage pipes are 100mmØ

TOPOGRAPHIC SURVEY INFORMATION REQUIRED
ALL INTERNAL CHAMBERS TO HAVE BOLT DOWN,
DOUBLE SEALED COVERS

Foul Water Network							Grade 1 in	Pipe DIA (mm)	Length (m)
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading				
F0	3.559	5.25	1.69	Existing	-		40.0	150	25.5
F1	4.197	5.65	1.45	1200Ø PCC	A15		115.6	150	8.9
J2	4.273	-	-	Junction	-		2.4	150	0.5
F2	4.481	5.65	1.17	PPIC Ø450	A15				
F1	4.197	5.65	1.45	1200Ø PCC	D400		115.6	150	15.4
J3	4.330	-	-	Junction	-		3.9	150	0.6
F3	4.483	5.65	1.17	PPIC Ø450	A15				
F1	4.197	5.65	1.45	1200Ø PCC	D400		115.6	150	25.0
J4	4.413	-	-	Junction	-		10.8	150	0.8
F4	4.487	5.65	1.16	PPIC Ø450	A15				
F1	4.197	5.65	1.45	1200Ø PCC	D400		115.6	150	32.7
F5	4.479	5.65	1.17	PPIC Ø450	A15				
F7	3.983	5.18	1.20	Existing	-		150.0	150	15.3
F8	4.085	4.91	0.83	Existing	-		150.0	150	17.2
F9	4.200	5.17	0.97	Existing	-		60.0	150	8.1
F10	4.335	5.60	1.27	PPIC Ø450	A15		47.5	150	9.85
F11	4.542	5.60	1.06	PPIC Ø450	A15				
F7	3.983	5.18	1.20	Existing	-		150.0	150	9.8
J12	4.098	-	-	Junction	-		7.1	100	2.2
F12	4.409	5.50	1.09	PPIC Ø450	A15				
F8	4.085	4.91	0.83	Existing	-		150.0	150	6.3
J13	4.127	-	-	Junction	-		10.4	150	3.0
F13	4.416	5.30	0.88	PPIC Ø450	A15				
F8	4.085	4.91	0.83	Existing	-		150.0	150	12.9
J14	4.171	-	-	Junction	-		12.3	150	3.0
F14	4.416	5.05	0.63	PPIC Ø450	A15				
F9	4.200	5.17	0.97	Existing	-		60.0	150	8.8
F15	4.346	5.60	1.25	PPIC Ø450	A15				
F7	3.983	5.18	1.20	Existing	-		4.4	150	4.5
F16	5.000	5.60	0.60	PPIC Ø450	A15				

Surface Water Network							Grade 1 in	Pipe DIA (mm)	Length (m)
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading				
S2	2.900	-	-	Headwall	A15		34.8	150	57.0
S7	4.538	5.56	1.02	PPIC S/T Ø450	A15		150.0	150	8.1
S8	4.592	5.60	1.01	PPIC Ø450	A15		150.0	150	19.2
S9	4.720	5.60	0.88	PPIC Ø450	A15		150.0	150	4.2
S10	4.748	5.60	0.85	PPIC Ø450	A15		150.0	150	37.9
S11	5.001	5.60	0.60	PPIC Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	19.3
J3	3.455	-	-	Junction	-		2.1	150	1.7
S3	4.249	5.56	1.31	PPIC Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	30.35
J4	3.772	-	-	Junction	-		2.7	150	1.4
S4	4.292	5.56	1.27	PPIC Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	37.5
J5	3.978	-	-	Junction	-		3.5	150	1.2
S5	4.318	5.56	1.24	PPIC Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	43.8
J6	4.159	-	-	Junction	-		4.4	150	0.8
S6	4.343	5.56	1.22	PPIC Ø450	A15				
S12	2.800	-	-	Existing	-		345.0	400	10.3
S13	2.830	5.60	2.77	Existing	-		270.0	375	9.2
S14	2.889	5.19	2.30	Existing	-		316.0	375	10.1
S15	2.921	4.92	2.00	Existing	-		321.0	375	7.4
S16	2.944	4.99	2.05	Existing	-		250.0	375	13.4
S17	2.998	5.18	2.18	Existing	-				
S12	2.889	5.19	2.30	Existing	-		345.0	400	5.8
J14	3.156	5.60	2.44	Junction	-		3.2	150	4.1
S18	4.433	5.60	1.17	PPIC S/T Ø450	A15		8.0	150	10.9
S14	2.889	5.19	2.30	Existing	-				
S19	4.476	5.56	1.08	PPIC S/T Ø450	A15				
S15	2.921	4.92	2.00	Existing	-		316.0	375	7.8
J16	3.171	-	-	Junction	-		3.0	150	5.2
S20	4.904	5.60	0.70	PPIC S/T Ø450	A15				
S15	2.921	4.92	2.00	Existing	-		4.0	150	5.3
S21	4.471	5.60	1.13	PPIC S/T Ø450	A15				
S16	2.944	4.99	2.05	Existing	-		3.5	150	5.1
S22	4.401	5.60	1.20	PPIC S/T Ø450	A15				
S16	2.944	4.99	2.05	Existing	-		250.0	375	10.3
J19	3.210	-	-	Junction	-		3.0	150	4.4
S23	4.677	5.56	0.88	PPIC S/T Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	46.1
J20	4.225	-	-	Junction	A15		5.6	150	0.7
S30	4.351	5.56	1.21	PPIC Ø450	A15				
S2	2.900	-	-	Headwall	A15		34.8	150	47.3
J21	4.259	-	-	Junction	A15		7.2	150	0.7
S31	4.356	5.56	1.20	PPIC Ø450	A15				
S32A	2.900	-	-	Headwall	-		3.1	150	5.0
S32B	4.495	5.00	0.51	PPIC Ø450	A15				

NOTES:

- All dimensions and levels are in metres unless otherwise noted
- This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
- This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
- This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
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DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

The design Engineer(s) have analysed this design as the scheme has been developed, in order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

Residual risks **HAVE** been identified and are therefore shown on this drawing. These risks have not been possible to remove by design.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that they can reasonably be expected to encounter as part of their work.

Drainage Key

- Sewers**
- Foul water drain (private/non adoptable)
 - Surface water drain (private/non adoptable)
 - M&E Podium Drainage
 - Existing foul water sewer (Adopted)
 - Existing surface water sewer (Adopted)
 - M&E Internal Surface Water drainage (by others)
 - M&E Internal Foul Water Drainage (by others)
 - Perforated pipe with type 3 to extend to sub-base

Chamber Key

- FW/SW**
- Mini access chamber (mac) - 300mmØ
 - PPIC - 475mmØ*
 - Manhole
Depth: 1.25m to 1.5m*
Depth: 1.55m to 3.0m*

* General note
(Refer to standard details & longitudinal sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)

- Surface water rodding eye
- Rain water down pipe (roddable access)
- Soil vent pipe/soil stack (Rodddable)
- Silt Trap (ST) with removable silt bucket
- Manhole reference number
- Floor gully (trapped)
- Yard gully (150mm - 200mmØ trapped)
- Headwall
- Finished Floor Level (FFL)

NOTE
Final Construction based upon notations provided by HG Construction. HG Construction to confirm layout correctly reflects works carried out on site

AS BUILT DRAWING
(THIS DRAWING IS THE FINAL
CONSTRUCTION ISSUE AND DOES
NOT PURPORT TO BE A SURVEY OF
THE WORKS AS CONSTRUCTED)

HG AS BUILT DRAWING
HG CONSTRUCTION LIMITED

FC1 10.10.25 NJ/RJW FINAL CONSTRUCTION ISSUE
REV DATE DRAWN/CHK REVISION INFO
STATUS:

FINAL CONSTRUCTION

CLIENT:
HG CONSTRUCTION

PROJECT:
**Freewharf
Shoreham-by-Sea
BN43 6RE**

DRAWING TITLE:
**Drainage Design Ground Floor
(Sheet 1 of 1)**

JOB NUMBER: SE2002 SCALE AT A1: 1:200 REV. STATUS: S2

DRAWING NUMBER: ISS-XX-02-DR-C-3300 REVISION: FC1

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