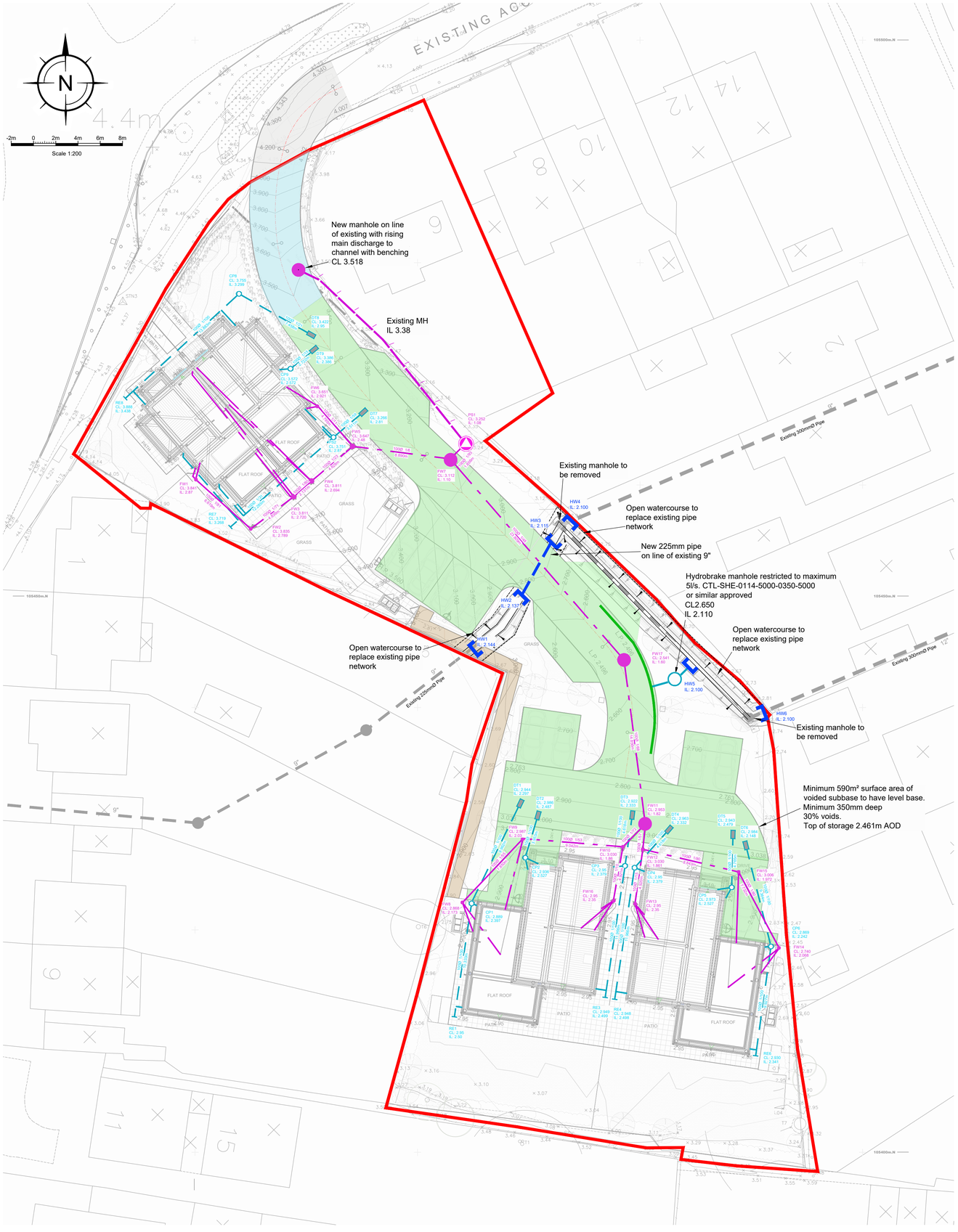


MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
CP1	450	CATCHPIT	B125	2.889	2.397	0.392	518624.924	105422.358
CP2	450	CATCHPIT	B125	2.936	2.527	0.310	518629.752	105426.470
CP3	450	CATCHPIT	B125	2.950	2.379	0.471	518638.715	105425.736
CP4	450	CATCHPIT	B125	2.950	2.379	0.471	518639.574	105425.568
CP5	450	CATCHPIT	B125	2.973	2.527	0.346	518648.305	105423.799
CP6	450	CATCHPIT	B125	2.869	2.242	0.527	518651.836	105418.490
CP8	450	CATCHPIT	B125	3.755	3.299	0.356	518604.019	105477.172
CP9	450	CATCHPIT	B125	3.599	2.572	0.927	518608.650	105470.435
PS2	450	CATCHPIT	B125	3.751	2.870	0.781	518612.509	105464.270
FW1	300	Type E	A15	3.841	2.870	0.871	518600.148	105460.469
FW2	300	Type E	A15	3.835	2.789	0.946	518605.067	105456.039
FW3	450	Type E	A15	3.811	2.720	0.991	518608.940	105458.936
FW4	450	Type E	A15	3.811	2.694	1.018	518610.541	105460.342
FW5	450	Type E	A15	3.647	2.480	1.067	518614.229	105463.457
FW6	300	Type E	A15	3.843	2.921	0.822	518611.060	105467.055
FW7	1200	Type B	D400	3.112	1.100	1.912	518623.036	105462.247
FW8	300	Type E	A15	2.868	2.173	0.595	518624.101	105422.444
FW9	300	Type E	B125	2.987	2.030	0.857	518629.506	105428.137
FW10	300	Type E	B125	3.030	1.860	1.070	518638.523	105427.449
FW11	1200	Type E	D400	2.953	1.820	1.033	518640.516	105429.516
FW12	300	Type E	B125	3.030	1.861	1.069	518640.311	105427.202
FW13	300	Type E	B125	2.950	2.350	0.500	518639.630	105422.330
FW14	300	Type E	A15	2.740	2.068	0.572	518652.546	105418.359
FW15	300	Type E	B125	3.006	1.972	0.935	518648.922	105425.189
FW16	300	Type E	B125	2.950	2.350	0.500	518637.701	105422.597
FW17	1200	Type E	D400	2.541	1.600	0.841	518638.625	105444.251
PS1	1200	Type B	B125	3.252	1.080	2.072	518624.256	105463.645

GENERAL NOTES:

1. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.

2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.

3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.

4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

DRAINAGE NOTES:

1. All adoptable pipes, bends and junctions shall be vitrified clay in accordance with the current version of BS EN 295-1, with flexible joints and kitemark certified.

2. All Adoptable sewers shall be in strict accordance with the SSG Appendix C - Design and Construction Guidance. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.

3. All private building drainage shall be constructed in strict in accordance with the current version of BS EN 752:2017. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.

4. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN 3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN 3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN 3 concrete.

5. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.

6. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.

7. All svps shall have rodding access plates fitted at their bases (ground floor level).

8. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

9. Any discrepancy between the drawing and site should be reported immediately to the Engineer.

10. All manhole and chamber sizes are given as a minimum to meet the SSG Appendix C-Design and Construction Guidance

DRAINAGE KEY:

Existing Adopted Sewers
- Existing Foul
- Existing Storm

Private Storm Drainage
- Catchpit Inspection Chambers
- Distribution Tank
- Rodding Eye
- Headwall
- Fin Drain
- Permeable paving with 30% voided subbase
- Minimum 590m² surface area of voided subbase to have level base. Minimum 350mm deep 30% voids. Top of storage 2.461m AOD
- Proposed raised access deck

Private Foul Drainage
- Inspection Chambers
- Package pumping stationj

REV	DATE	INT	DESCRIPTION	CHK
i	27.01.25	MJP	Updated to suit new architects layout & survey	SRM
H	14.02.23	MJP	Minor amendments	SRM
G	07.02.23	MJP	Updated level to plot 1 & 2 Pumping station added	
F	23.12.20	MJP	Updated to comments received	
E	10.11.20	MJP	Extent of permeable paving updated	
D	14.10.20	AJD	WORK IN PROGRESS	
C	29.10.19	MJP	Updated to suit new site layout plan	SRM
B	02.04.19	PR	Permeable paving (Green hatch) changed to min 360mm deep.	SRM
A	14.03.19	NS	Minor Updates	SRM

Issue Status: FOR CONSTRUCTION

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CLIENT: ECE Planning

PROJECT: 4 Old Shoreham Road Lancing

TITLE: Proposed Drainage Layout

DRAWN	DATE	PROJECT NO.
N Shields	Mar 2019	22971
ENGINEER: S Magowan	CHECKED: SRM	ORG. No. 251 REV. i
SCALE: 1:200 @ A1		