

Level of storage pond designed to allow the potential to link to existing western storage pond subject to future planning permission

Storage Pond Details

Top bank level = 4.960m AOD

1:100 year + 40% storage between 3.85m AOD and 4.143m AOD
Volume = 3546m³
293mm depth of flood storage
817mm freeboard

Maximum Irrigation water level
3.85m AOD
Pond base level
2.36m AOD
Volume = 17222m³

STORM WATER MANHOLE SCHEDULE

MH_REF	COVER LEVEL	INVERT	DEPTH	COVER TYPE	CHAMBER TYPE	EASTING	NORTHING
HB01	4.650	3.350	1.300	D400	TYPE C 1350 DIA (Hydrobrake manhole)	499256.262	104169.123
HB02	4.940	3.640	1.300	D400	TYPE C 1350 DIA (Hydrobrake manhole)	499358.696	104279.779
S01	4.650	3.525	1.125	D400	TYPE D 600 DIA FIG B18	499208.220	104123.613
S02	4.650	3.525	1.125	D400	TYPE D 600 DIA FIG B18	499253.296	104169.123
S03	4.650	3.130	1.520	D400	TYPE D 450 DIA FIG B18	499292.962	104169.123
S04	4.650	2.910	1.740	D400	TYPE D 450 DIA FIG B18	499329.662	104169.123
S05	4.650	2.692	1.958	D400	TYPE D 450 DIA FIG B18	499366.031	104169.123
S06	4.158	2.671	1.487	D400	TYPE D 450 DIA FIG B18	499369.517	104169.123
S07	3.599	2.142	1.457	D400	TYPE C 1350 DIA FIG B15	499457.892	104169.123
S10	4.960	3.557	1.403	D400	TYPE D 450 DIA FIG B18	499358.696	104265.932
S11	4.450	3.461	0.989	D400	TYPE D 450 DIA FIG B18	499366.031	104251.633
S12	4.550	3.215	1.335	D400	TYPE D 450 DIA FIG B18	499366.031	104210.498
DD01	4.650	3.340	1.310	D400	1200Ø PQL Conc Downstream Defender	499258.166	104169.123

GENERAL NOTES:

- 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.
- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
- The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
- 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:

- 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.
- All Adoptable sewers shall be in strict accordance with the SSG Appendix C - Design and Construction Guidance. Unless otherwise specified 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 0.5m elsewhere the pipe shall be laid with a class Z bedding.
- All private building drainage shall be constructed in strict 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.
- 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.
- 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.
- In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreglass 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.
- All sumps shall have rodding access plates fitted at their bases (ground floor level).
- Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.
- Any discrepancy between the drawing and site should be reported immediately to the Engineer.
- All manhole and chamber sizes are given as a minimum to meet the SSG Appendix C-Design and Construction Guidance

