

Detention Basins

Description

Detention basins are surface storage basins that provide flow control through attenuation of stormwater. They also facilitate settlement of suspended particles. Detention basins are usually dry and in some situations can also be used as a recreational facility.

ADVANTAGES

- Can cater for a wide range of rainfall events
- Can be used where groundwater is vulnerable, if lined
- Simple to design and construct
- Potential for dual land use
- Easy to maintain
- Safe, visible capture of spillages

DISADVANTAGES

- Little reduction in runoff volume
- Detention depths may be constrained by system inlet and outlet levels

PERFORMANCE

Peak flow reduction	Good
Volume reduction	Poor
Water quality treatment	Medium
Amenity potential	Good
Ecology potential	Medium

SITE SUITABILITY

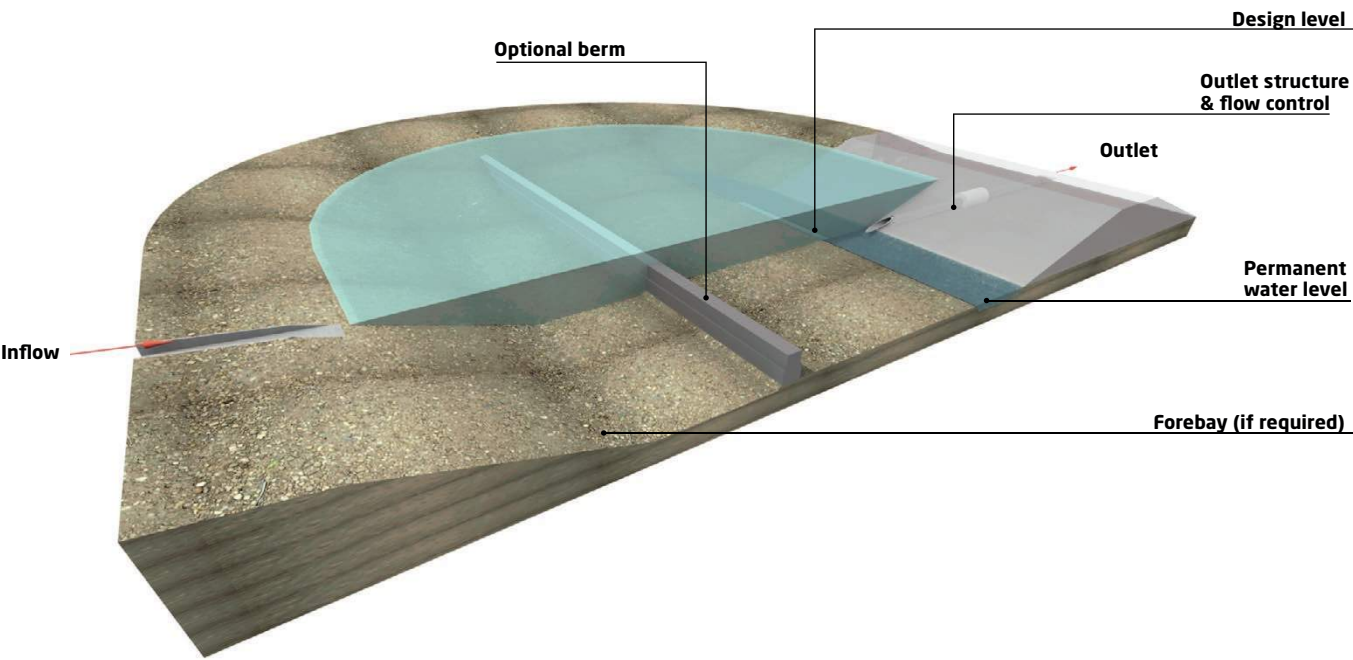
Residential	Yes
Commercial / industrial	Yes
High density	Yes
Retrofit	Yes
Contaminated site / sites above vulnerable groundwater (lined)	Yes

COST IMPLICATION

Land-take	Medium
Capital cost	Low
Maintenance burden	Low

MAINTENANCE

- Removal of litter and debris
- Inlet and outlet cleaning
- Management of vegetation
- Regular removal of sediment



Ponds

Description

Ponds can provide both attenuation and treatment. They are designed to support emergent and submerged aquatic vegetation along their shoreline. Runoff from each event is detained in the pool with the retention time promoting removal of pollution through sedimentation.

ADVANTAGES

- Can cater for all storms
- Effective in removing pollutants
- Can be used where groundwater is vulnerable, if lined
- Good community acceptability with high aesthetic, ecological and amenity benefits
- May add value to local properties

DISADVANTAGES

- No reduction in runoff volume
- Anaerobic conditions can occur without regular inflow
- May not be suitable for use on steep or high density sites due to size
- Perceived Health and Safety risks may result in fencing off of the pond

PERFORMANCE

Peak flow reduction	Good
Volume reduction	Poor
Water quality treatment	Good
Amenity potential	Good
Ecology potential	Good

SITE SUITABILITY

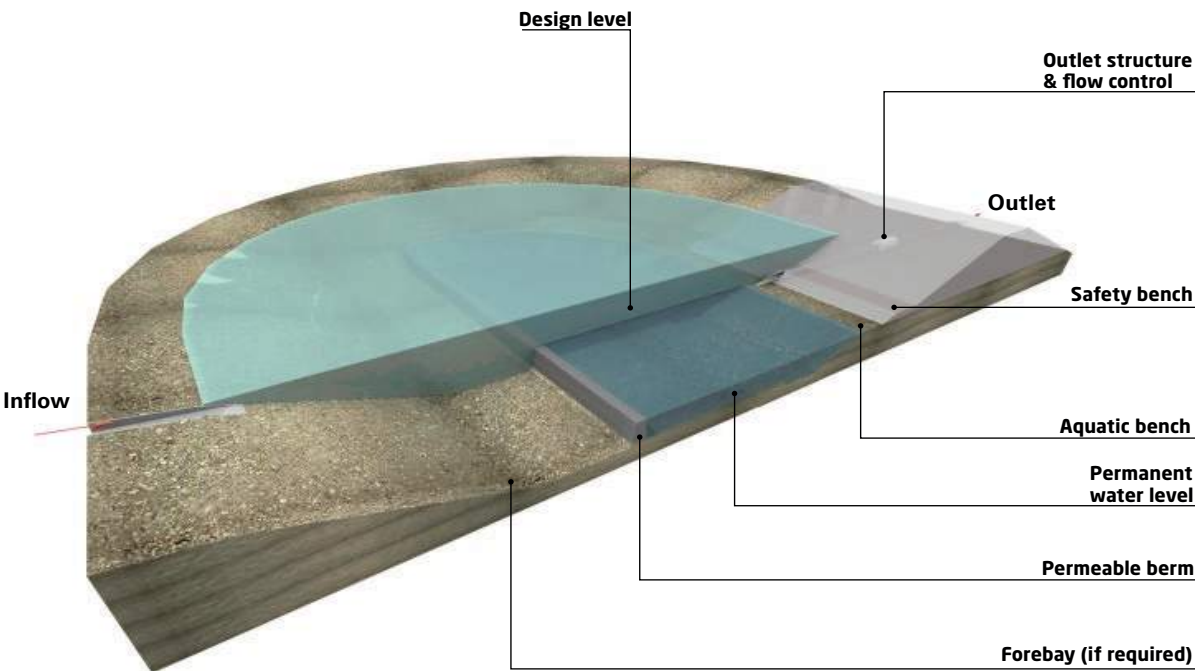
Residential	Yes
Commercial / industrial	Yes
High density	Unlikely
Retrofit	Unlikely
Contaminated site/sites above vulnerable groundwater (lined)	Yes

COST IMPLICATION

Land-take	High
Capital cost	Medium (High with liner)
Maintenance burden	Medium

MAINTENANCE

- Removal of litter and debris
- Inlet and outlet cleaning
- Management of vegetation
- Regular removal of sediment



Stormwater Wetlands

Description

Wetlands provide both attenuation and treatment for stormwater flows. They comprise shallow ponds and marshy areas covered almost entirely in aquatic vegetation. Wetlands detain flows for an extended period at allow settlement of suspended particles and to remove pollutants. They also provide significant ecological benefits.

ADVANTAGES

- Effective at removing pollutants
- Can be used where groundwater is vulnerable, if lined
- Good community acceptability with high aesthetic, ecological and amenity benefits
- May add value to local properties

DISADVANTAGES

- High land-take
- Requires baseflow
- Limited depth range for flow attenuation
- May release nutrients during non-growing season
- Little reduction in runoff volume
- Not suitable for steep sites
- Performance vulnerable to high sediment inflowsPerceived Health and Safety risks may result in fencing off of the pond

PERFORMANCE

Peak flow reduction	Good
Volume reduction	Poor
Water quality treatment	Good
Amenity potential	Good
Ecology potential	Good

SITE SUITABILITY

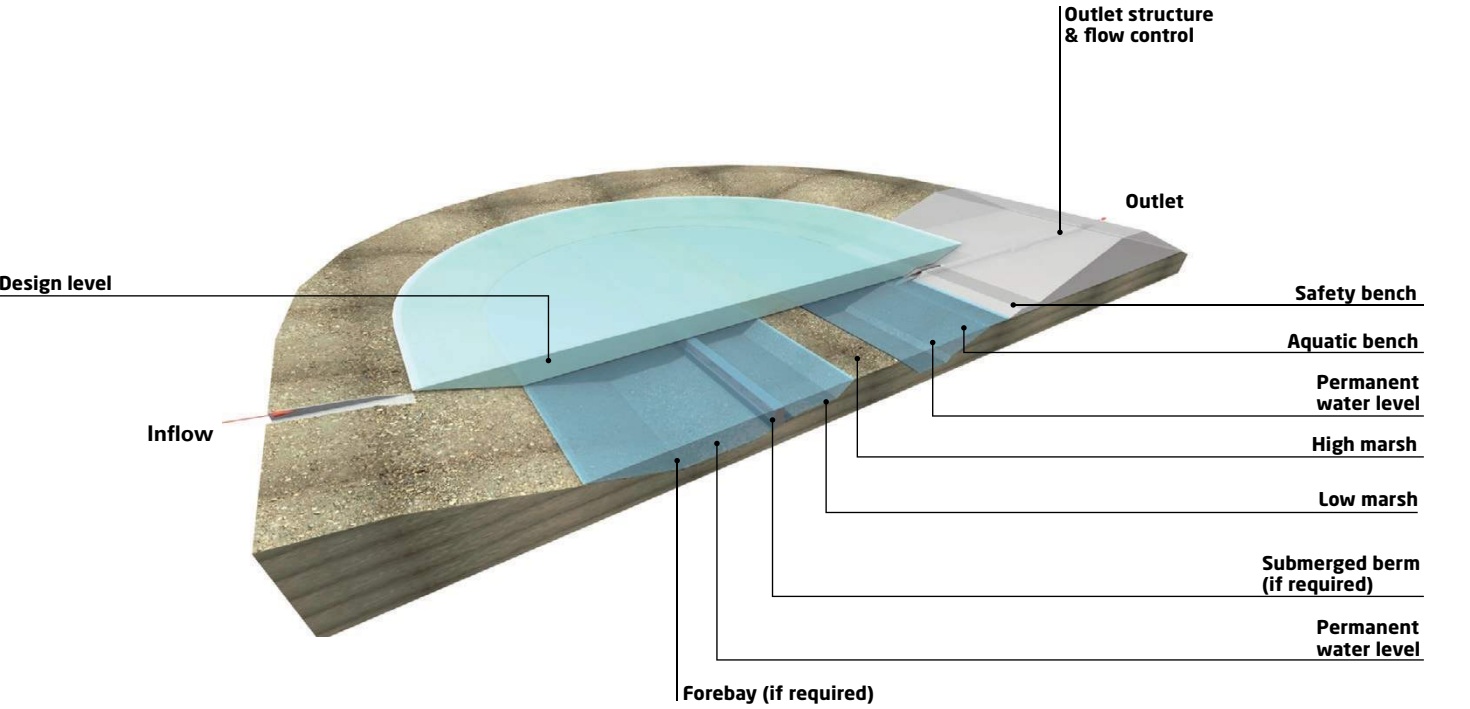
Residential	Yes
Commercial / industrial	Yes
High density	Unlikely
Retrofit	Unlikely
Contaminated site/sites above vulnerable groundwater (lined)	Yes

COST IMPLICATION

Land-take	High
Capital cost	Medium
Maintenance burden	Medium / Low

MAINTENANCE

- Removal of litter and debris
- Inlet and outlet cleaning
- Management of vegetation required to retain a high vegetaion coverage
- Regular removal of sediment



Green Roofs

Description

Green roofs comprise a multi-layered system that covers the roof or podium structure with vegetation cover or landscaping over a drainage layer. They are designed to intercept and retain precipitation, reducing the volume of runoff and attenuating peak flows.

ADVANTAGES

- Mimic predevelopment state of building footprint
- Effective in removing pollutants
- Can be applied in high density developments
- Ecological, aesthetic and amenity benefits
- No additional land take
- Improved air quality
- Can insulate building against temperature extremes
- Can absorb sound

DISADVANTAGES

- Cost (compared to conventional runoff)
- Not suitable for steep roofs
- Maintenance of roof vegetation
- Waterproofing is critical as water is encouraged to remain on the roof

PERFORMANCE

Peak flow reduction	Medium
Volume reduction	Medium
Water quality treatment	Good
Amenity potential	Good
Ecology potential	Good

SITE SUITABILITY

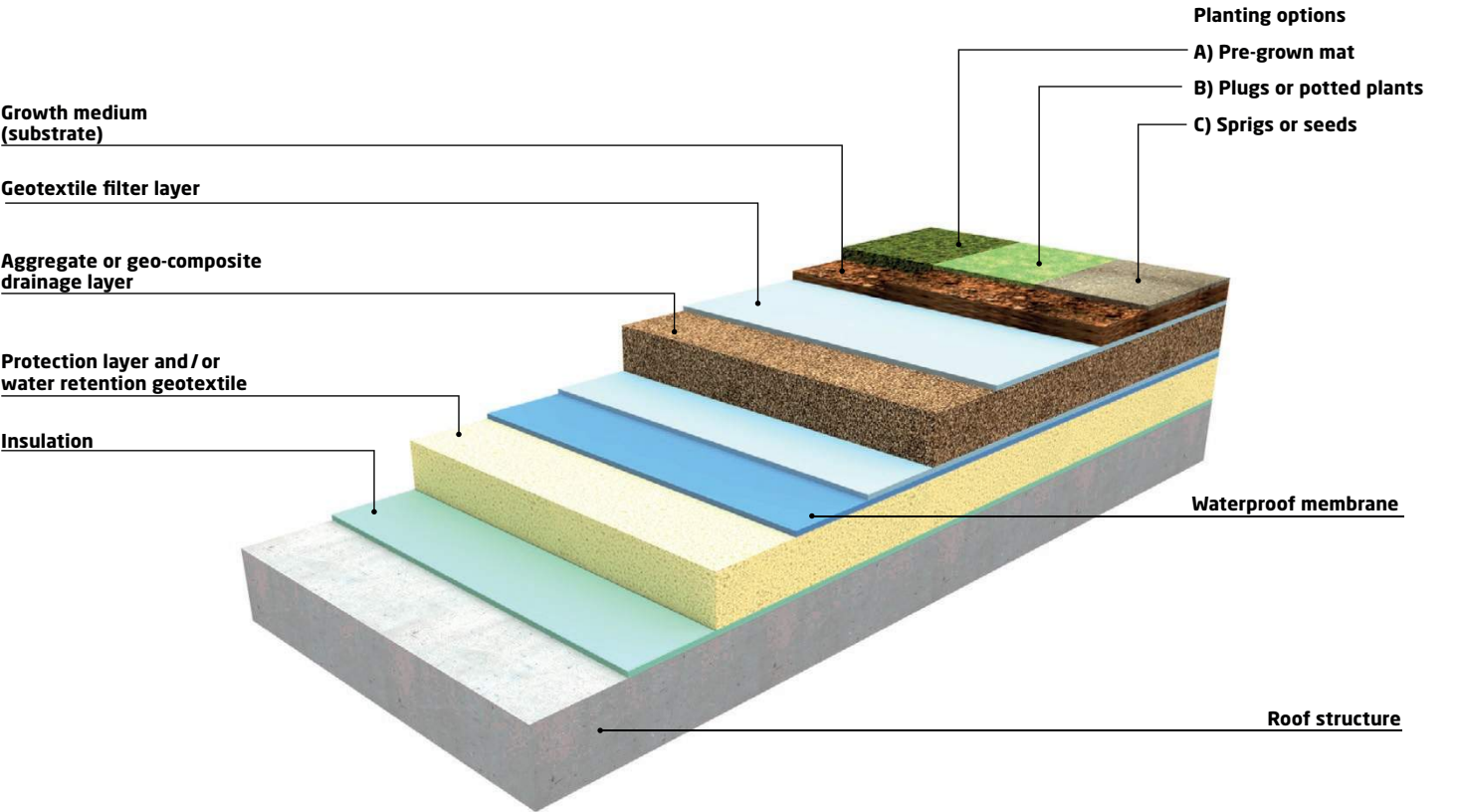
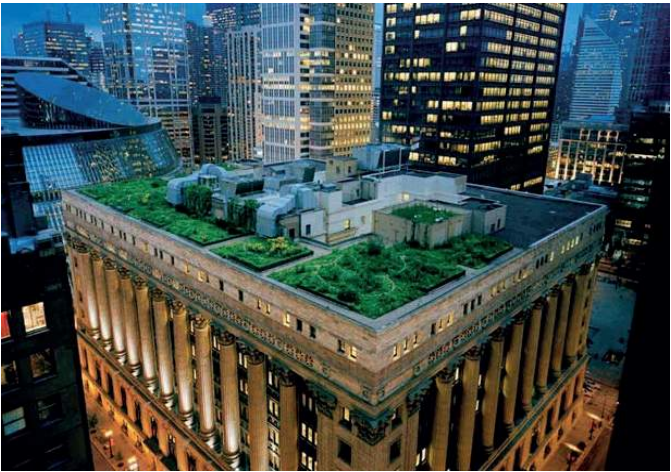
Residential	Yes
Commercial / industrial	Yes
High density	Yes
Retrofit	Yes
Contaminated site/ sites above vulnerable groundwater	Yes

COST IMPLICATION

Land-take	None
Capital cost	High
Maintenance burden	Medium

MAINTENANCE

- Irrigation during establishment of vegetation
- Inspection for bare patches and replacement of plants
- Litter removal



Rainwater Harvesting

Description

Rainwater from roofs and hard surfaces can be stored and used. If designed appropriately, the systems can also be used to reduce the rates and volumes of runoff.

ADVANTAGES

- Can provide source control of stormwater runoff
- Reduces demand on mains water

DISADVANTAGES

- Potential risks to public health
- Systems can be complex and costly to install
- Above ground tanks can be unsightly

PERFORMANCE

Peak flow reduction	Good
Volume reduction	Good
Water quality treatment	Poor
Amenity potential	Poor
Ecology potential	Poor

SITE SUITABILITY

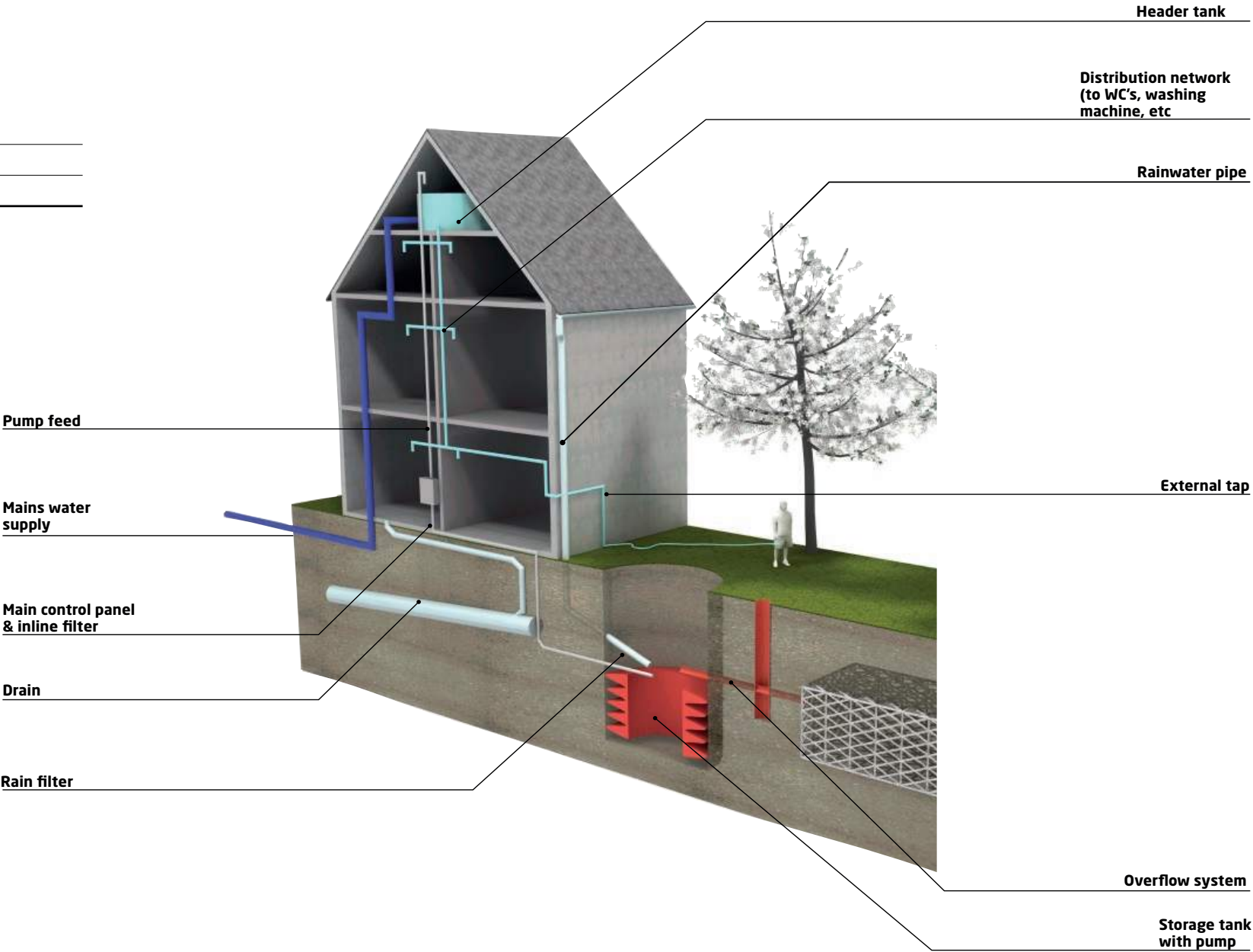
Residential	Yes
Commercial / industrial	Yes
High density	Yes
Retrofit	Unlikely
Contaminated site/sites above vulnerable groundwater	Yes

COST IMPLICATION

Land-take	None
Capital cost	High
Maintenance burden	Medium

MAINTENANCE

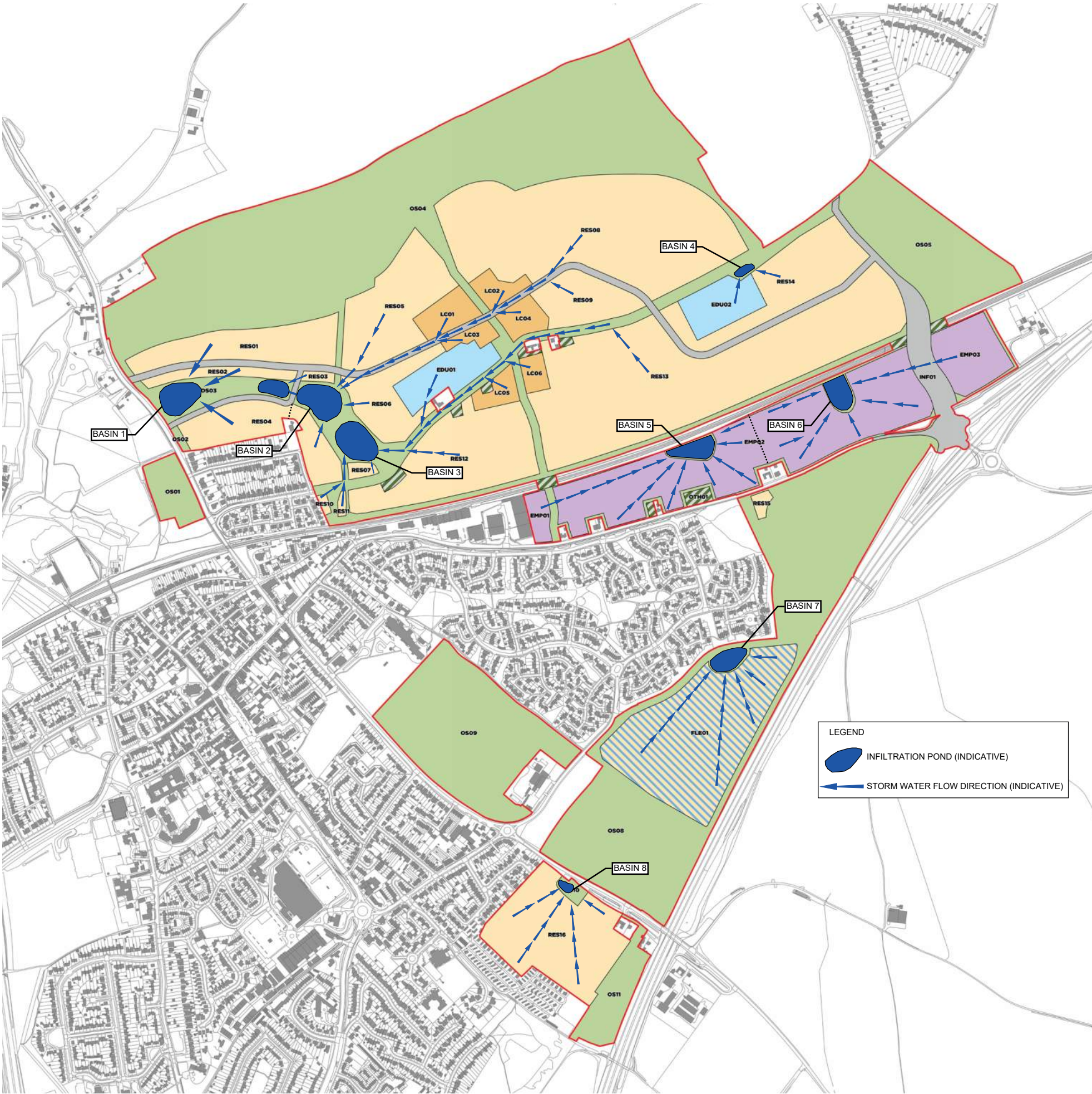
- Inspection and cleaning of collection systems, filters, throttle and valves, pumps



Appendix D

Drainage Concept Design







Appendix E

Pre-planning enquiry correspondence with Anglian Water





Pre-Planning Assessment Report
Baldock
InFlow Reference: PPE-0152498
Assessment Type: Used Water
Report published: 15/08/2022

Thank you for submitting a pre-planning enquiry.
This has been produced for Urban and Civic.
Your reference number is **PPE-0152498**.
This report can be submitted as a drainage strategy for the development should it seek planning permission.
If you have any questions upon receipt of this report, you can submit a further question via InFlow. Alternatively, please contact the Planning & Capacity team on **07929 786 955** or email planningliaison@anglianwater.co.uk

Section 1 - Proposed development

The response within this report has been based on the following information which was submitted as part of your application:

List of planned developments	
Type of development	No. Of units
Dwellings	3245
Non-residential	4

The anticipated residential build rate is:

Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12
Build rate	245	200	280	280	284	280	280	280	280	280	280	280

Development type: Greenfield
Planning application status: Unknown
Site grid reference number: TL2533234319

The comments contained within this report relate to the public water mains and sewers indicated on our records.
Your attention is drawn to the disclaimer in the useful information section of this report.



Section 2 - Assets affected

Our records indicate that we have the following types of assets within or overlapping the boundary of your development site as listed in the table below.

Additionally, it is highly recommended that you carry out a thorough investigation of your proposed working area to establish whether any unmapped public or private sewers and lateral drains are in existence. We are unable to permit development either over or within the easement strip without our prior consent. The extent of the easement is provided in the table below.

Please be aware that the existing water mains/public sewers should be located in highway or open space and not in private gardens. This is to ensure available access for any future maintenance and repair and this should be taken into consideration when planning your site layout.

Water and Used water easement information		
Asset type	Pipe size (mm)	Total easement required (m)
Sewer mains	375	3.00 m either side of the centre line
Sewer mains	450	3.50 m either side of the centre line
Sewer mains	150	3.00 m either side of the centre line
Sewer mains	225	3.00 m either side of the centre line
Sewer mains	80	3.00 m either side of the centre line

If it is not possible to avoid our assets then these may need to be diverted in accordance with Section 185 of the Water Industry Act (1991). You will need to make a formal application if you would like a diversion to be considered.

Due to the private sewer transfer in October 2011 many newly adopted public used water assets and their history are not indicated on our records. You also need to be aware that your development site may contain private water mains, drains or other assets not shown on our records. These are private assets and not the responsibility of Anglian Water but that of the landowner.

Section 3 - Water recycling services

In examining the used water system we assess the ability for your site to connect to the public sewerage network without causing a detriment to the operation of the system. We also assess the receiving water recycling centre and determine whether the water recycling centre can cope with the increased flow and effluent quality arising from your development.

Water recycling centre

The foul drainage from the proposed development is in the catchment of Letchworth Water Recycling Centre, which currently has capacity to treat the flows from your development site.

Anglian Water cannot reserve capacity and the available capacity at the water recycling centre can be reduced at any time due to growth, environmental and regulation driven changes.

Used water network

Our assessment has been based on development flows connecting to the nearest accessible foul water sewer of the same size or greater pipe diameter to that required to drain the site. The infrastructure to convey foul water flows to the receiving sewerage network is assumed to be the responsibility of the developer. Conveyance to the connection point is considered as Onsite Work and includes all work carried out upstream from of the point of connection, including making the connection to our existing network. This connection point has been determined in reference to the calculated discharge flow for the agreed upon portion of the development site south of Clothall Road, comprising approximately 200 homes, and on this basis, a 150mm internal diameter pipe is required to drain the development site. The nearest network connection point that meets this criteria is at manhole MH1403 at TL 25179 33423, located off of Laxton gardens. Anglian Water has assessed the impact of gravity flows to the public foul sewerage network and can confirm that this is acceptable as the foul sewerage system, at present, has available capacity for this portion of the planned development. Please note that Anglian Water will request a suitably worded condition at planning application stage to ensure this strategy is implemented to mitigate the risk of flooding.

Assessment of the impact of connecting the foul flows from the entire planned development indicates that unfortunately there is insufficient capacity in the sewers in the area to accommodate your site. Consequently, we must consider an alternative foul water drainage strategy. In order to define a feasible alternative foul water drainage strategy we will need to understand your onsite drainage design in greater detail. Therefore, we would like to arrange a meeting to examine the available options and establish an effective strategy. Claire Wootton, our Pre-Development Senior Engineer for this area and will be responsible for evaluating the foul water drainage strategy. We'd grateful if you could advise Claire of your availability for a meeting and a convenient venue or alternatively a conference call can be arranged if this is more convenient. For your reference, Claire can be contacted at 07970 467823 or cwootton@anglianwater.co.uk Please note that Anglian Water will request a suitably worded condition at planning application stage to ensure this strategy is implemented to mitigate the risk of flooding.

It is assumed that the developer will provide the necessary infrastructure to convey flows from the site to the network. Consequently, this report does not include any costs for the conveyance of flows.

Surface water disposal

You indicated on the Pre-Planning Application form that a connection to the public surface water sewer network is not required as infiltration and a connection to a watercourse is to be utilised. A new surface water sewer can be used as a mechanism to discharge surface water to a watercourse or as part of a Suds scheme where appropriate. Subject to the sewer being designed in accordance with the current version of Sewers For Adoption, the sewer can be put forward for adoption by Anglian Water under Section 104 of the Water Industry Act 1991. If the outfall is to a watercourse, the applicant will be required to obtain consent to discharge via the appropriate body. Therefore a capacity assessment has not been made on the public surface water network. However, should this situation change and you wish to have a surface water connection assessment on the local network, then we will provide this free of charge if requested within 12 months of this report and you are able to provide the relevant evidence that your original strategy was unviable. Please note that Anglian Water will request a suitably worded condition at planning application stage to ensure this strategy is implemented to mitigate the risk of flooding.

As you may be aware, Anglian Water will consider the adoption of SuDs provided that they meet the criteria outline in our SuDs adoption manual. This can be found on our [website](#). We will adopt features located in public open space that are designed and constructed, in conjunction with the Local Authority and Lead Local Flood Authority (LLFA), to the criteria within our SuDs adoption manual. Specifically, developers must be able to demonstrate:

1. Effective upstream source control,
2. Effective exceedance design, and
3. Effective maintenance schedule demonstrating that the assets can be maintained both now and in the future with adequate access.

If you wish to look at the adoption of any SuDs then an expression of interest form can be found on our [website](#)

As the proposed method of surface water disposal is not relevant to Anglian Water; we suggest that you contact the relevant Local Authority, Lead Local Flood Authority, the Environment Agency or the Internal Drainage Board, as appropriate.

Trade Effluent

We note that you do not have any trade effluent requirements. Should this be required in the future you will need our written formal consent. This is in accordance with Section 118 of the Water Industry Act (1991).

Used Water Budget Costs

Your development site will be required to pay an Infrastructure charge for each new property connecting to the public water and sewerage network that benefits from Full planning permission. The infrastructure charge replaces the zonal charge as previously identified.

You will be required to pay an infrastructure charge upon connection for each new plot on your development site. The infrastructure charge are types of charges set out in Section 146(2) of the Water Industry Act 1991.

The charge should be paid by anyone who wishes to build or develop a property and is payable upon request of connection.

- The Infrastructure Charge is based on the cost of any reinforcement and upgrades to our existing network (“Network Reinforcements”), whether designed to address strategic or local capacity issues. For more information on our Infrastructure Charge, please see the ‘Useful Information’ section of this report.

Infrastructure charges are raised on a standard basis of one charge per new connection (one for water and one for sewerage).

The Water Recycling Infrastructure charge for your dwellings is:

Infrastructure charge	Number of units	Total
£ 490	3245	£1,590,050.00

Please note that you should also budget for infrastructure charges on non-household premises where applicable and these will be calculated according to the number and type of water fittings in the premises. This is called the “relevant multiplier” method of calculating the charge and the relevant multiplier will be applied to the figures set out in our 2022-23 Developer Charging Arrangements to arrive at the amount payable. Details of the relevant multiplier for each fitting can be found on our [website](#).

Section 4 - Map of Proposed Point of Connection(s)

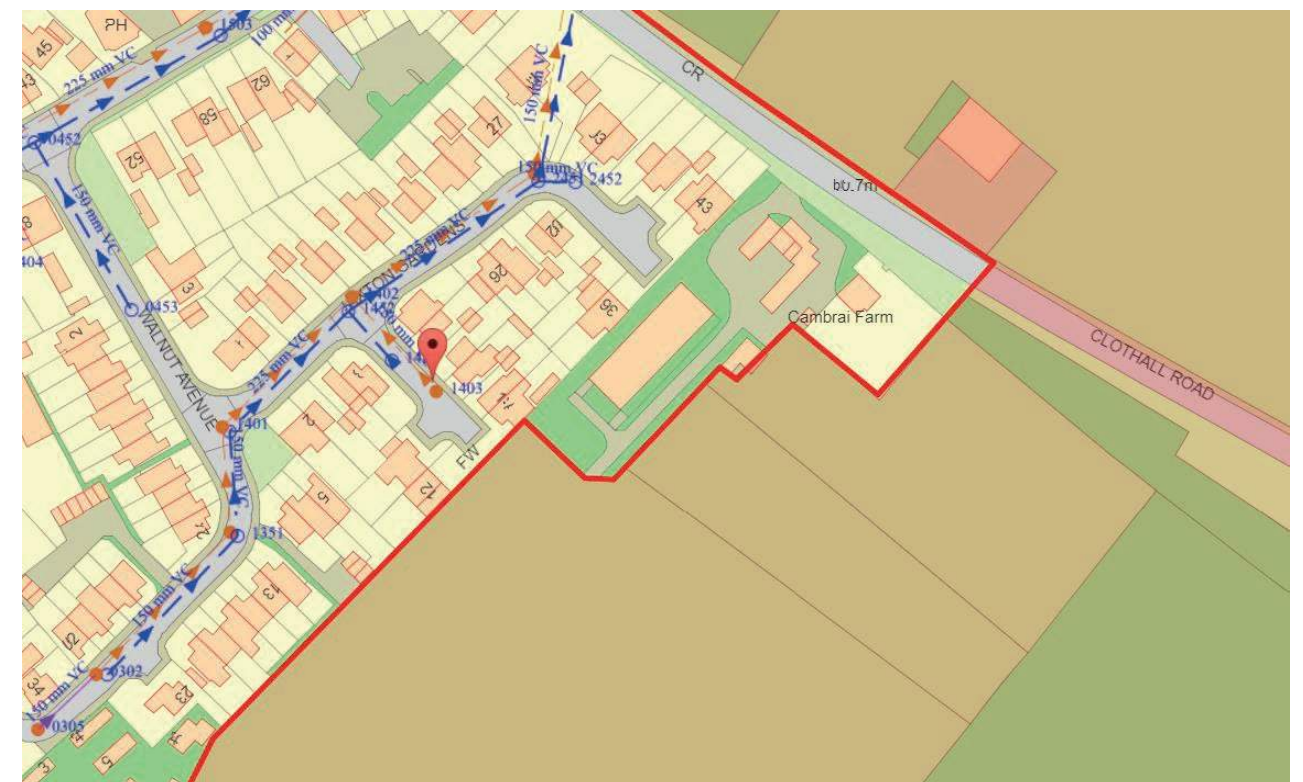
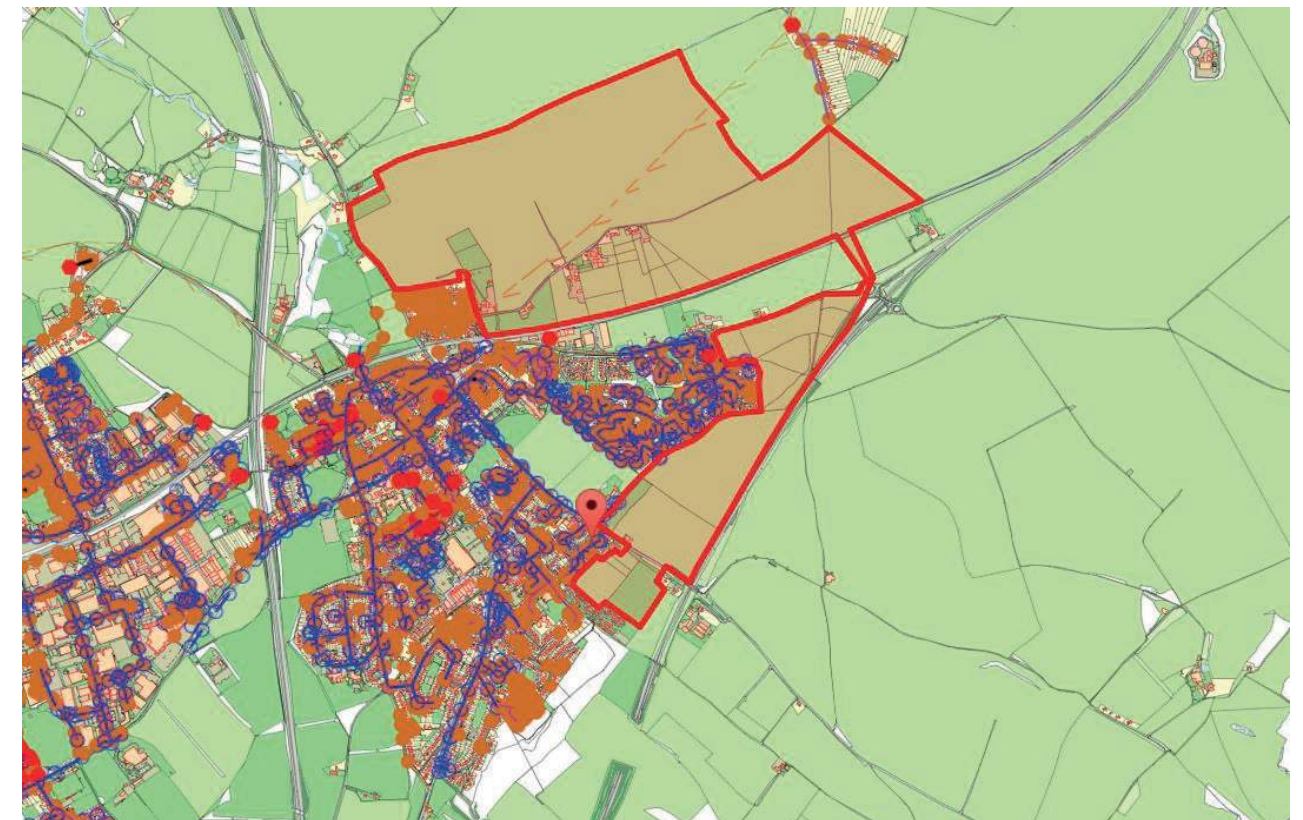


Figure 1 & 2: Showing your water recycling foul point of connection

Section 5 - Useful information

Water Industry Act – Key used water sections

Section 98:

This provides you with the right to requisition a new public sewer. The new public sewer can be constructed by Anglian Water on your behalf. Alternatively, you can construct the sewer yourself under section 30 of the Anglian Water Authority Act 1977.

Section 102:

This provides you with the right to have an existing sewerage asset vested by us. It is your responsibility to bring the infrastructure to an adoptable condition ahead of the asset being vested.

Section 104:

This provides you with the right to have a design technically vetted and an agreement reached that will see us adopt your assets following their satisfactory construction and connection to the public sewer.

Section 106:

This provides you with the right to have your constructed sewer connected to the public sewer.

Section 185

This provides you with the right to have a public sewerage asset diverted.

Details on how to make a formal application for a new sewer, new connection or diversion are available on our [website](#) or via our Development Services team on **0345 60 66 087**.

Sustainable drainage systems

Many existing urban drainage systems can cause problems of flooding, pollution or damage to the environment and are not resilient to climate change in the long term. .

Our preferred method of surface water disposal is through the use of Sustainable Drainage Systems or SuDS.

SuDS are a range of techniques that aim to mimic the way surface water drains in natural systems within urban areas. For more information on SuDS, please visit our [website](#)

We recommend that you contact the Local Authority and Lead Local Flood Authority (LLFA) for your site to discuss your application.

Private sewer transfers

Sewers and lateral drains connected to the public sewer on the 1 July 2011 transferred into Water Company ownership on the 1 October 2011. This follows the implementation of the Floods and Water Management Act (FWMA). This included sewers and lateral drains that were subject to an existing Section 104 Adoption Agreement and those that were not. There were exemptions and the main non-transferable assets were as follows:

Surface water sewers and lateral drains that do not discharge to the public sewer, e.g. those that discharged to a watercourse.

Foul sewers and lateral drains that discharged to a privately owned sewage treatment/collection facility.

Pumping stations and rising mains will transfer between 1 October 2011 and 1 October 2016.

The implementation of Section 42 of the FWMA will ensure that future private sewers will not be created. It is anticipated that all new sewer applications will need to have an approved section 104 application ahead of a section 106 connection.

It is anticipated that all new sewer applications will need to have an approved Section104 application ahead of a Section 106 connection

Encroachment

Anglian Water operates a risk based approach to development encroaching close to our used water infrastructure. We assess the issue of encroachment if you are planning to build within 400 metres of a water recycling centre or, within 15 metres to 100 metres of a pumping station. We have more information available on our [website](#)

Locating our assets

Maps detailing the location of our water and used water infrastructure including both underground assets and above ground assets such as pumping stations and recycling centres are available from [digdat](#)

All requests from members of the public or non-statutory bodies for maps showing the location of our assets will be subject to an appropriate administrative charge.

We have more information on our [website](#)

Charging arrangements

Our charging arrangements and summary for this year’s water and used water connection and infrastructure charges can be found on our [website](#)

Section 6 - Disclaimer

The information provided in this report is based on data currently held by Anglian Water Services Limited (‘Anglian Water’) or provided by a third party. Accordingly, the information in this report is provided with no guarantee of accuracy, timeliness, completeness and is without indemnity or warranty of any kind (express or implied).

This report should not be considered in isolation and does not nullify the need for the enquirer to make additional appropriate searches, inspections and enquiries. Anglian Water supports the plan led approach to sustainable development that is set out in the National Planning Policy Framework (‘NPPF’) and any infrastructure needs identified in this report must be considered in the context of current, adopted and/or emerging local plans. Where local plans are absent, silent or have expired these needs should be considered against the definition of sustainability holistically as set out in the NPPF.

Whilst the information in this report is based on the presumption that proposed development obtains planning permission, nothing in this report confirms that planning permission will be granted or that Anglian Water will be bound to carry out the works/proposals contained within this report.

No liability whatsoever, including liability for negligence is accepted by Anglian Water or its partners, employees or agents, for any error or omission, or for the results obtained from the use of this report and/or its content.

Furthermore, in no event will any of those parties be liable to the applicant or any third party for any decision made or action taken as a result of reliance on this report.

This report is valid from the date issued and the enquirer is advised to resubmit their request for an up to date report should there be a delay in submitting any subsequent application for water supply/sewer connection(s). Our pre-planning reports are valid for 12 months, however please note Anglian Water cannot reserve capacity and available capacity in our network can be reduced at any time due to increased requirements from existing businesses and houses as well as from new housing and new commercial developments.

Appendix F

Anglian Water Records





1007	525181	234083	F	73.708	72.088	1.61
1008	525195	234040	F	73.701	71.891	2.01
1901	525198	233952	F	69.533	66.553	2.98
1902	525156	233921	F	69.945	66.966	2.99
1903	525154	233998	F	71.662	68.392	3.27
1904	525192	233927	F	69.454	66.084	1.37
2001	525215	234045	F	73.297	71.725	1.572
2002	525211	234007	F	72.335	68.895	3.44
2003	525269	234021	F	73.328	68.938	4.39
2101	525257	234101	F	73.718	72.378	1.34
2102	525286	234105	F	73.385	71.625	1.76
2901	525211	233996	F	72.056	68.886	3.17
2902	525260	233979	F	72.234	70.194	2.04
2903	525260	233946	F	71.303	69.423	1.88
2904	525212	233941	F	69.866	68.216	1.75
3001	525338	234064	F	73.628	69.988	3.64
3002	525375	234055	F	73.263	70.953	2.31
3003	525393	234048	F	73.141	71.3	1.941
3004	525332	234024	F	74.288	69.418	4.87
3005	525388	234004	F	73.956	69.916	4.04
3101	525307	234105	F	73.17	71.3	1.87
3102	525345	234100	F	72.92	70.69	2.23
3201	525337	234256	F	69.366	65.876	3.48
3202	525361	234223	F	69.738	67.938	1.8
3901	525302	233986	F	73.158	71.118	2.04
3902	525317	233948	F	72.858	70.968	1.89
3904	525384	233970	F	71.308	70.578	1.33
4001	525480	234053	F	72.97	71.14	1.83
4101	525438	234185	F	70.498	68.368	2.13
4102	525440	234159	F	71.293	69.403	1.89
4201	525436	234279	F	68.519	65.089	3.43
4202	525412	234277	F	68.773	65.293	3.48
4203	525419	234247	F	69.252	67.242	2.01
4204	525458	234217	F	69.67	67.71	1.96
4205	525474	234207	F	69.853	68.033	1.82
4301	525499	234304	F	67.961	64.881	3.08
4901	525451	233963	F	73.114	70.854	2.26
4902	525455	233960	F	73.103	70.883	2.22
4903	525475	233975	F	72.987	71.117	1.87
4904	525413	233938	F	74.125	72.525	1.6
5001	525527	234052	F	71.92	70.08	1.84
5002	525563	234026	F	72.881	70.941	2.04
5003	525504	234007	F	74.308	72.78	1.528
5101	525566	234180	F	69.417	67.137	2.28
5102	525501	234166	F	70.217	68.797	1.42
5103	525590	234148	F	69.831	67.891	2.14
5104	525565	234128	F	70.402	68.172	2.23
5105	525554	234109	F	70.717	68.557	2.16
5106	525525	234101	F	70.977	69.027	1.95
5201	525550	234283	F	67.91	66.34	1.57
5202	525526	234264	F	68.443	66.043	2.4
5203	525507	234279	F	68.145	66.025	2.12
5204	525543	234252	F	68.673	67.213	1.46
5205	525553	234200	F	69.199	67.419	1.78
5301	525595	234328	F	-	-	-
5901	525502	233988	F	73.801	72.051	1.75
5902	525579	233993	F	72.994	70.944	2.05
5903	525596	233963	F	73.104	71.324	1.78
5904	525538	233943	F	74.405	72.825	1.58
5905	525549	233936	F	74.343	72.973	1.37
6001	525617	234080	F	70.842	68.852	1.99
6002	525685	234041	F	69.517	67.897	1.82
6003	525657	234035	F	69.463	68.313	1.15
6101	525648	234199	F	69.34	66.18	3.16
6102	525615	234192	F	68.79	66.56	2.23
6103	525605	234199	F	68.854	66.704	2.15
6104	525556	234163	F	69.481	66.461	3.02
6105	525678	234181	F	69.735	66.565	3.17
6106	525670	234101	F	69.638	67.378	2.26
6201	525654	234274	F	68.562	66.672	1.89
6202	525608	234282	F	68.501	64.231	4.27
6203	525620	234255	F	68.824	64.114	4.71
6206	525642	234218	F	69.283	65.873	3.41
6207	525651	234218	F	69.44	65.89	3.55
6208	525698	234217	F	69.5	66.73	2.77
6209	525657	234210	F	69.553	66.183	3.37
6301	525642	234302	F	68.275	64.725	3.54
7001	525720	234090	F	70.06	68.3	1.76
7002	525726	234061	F	70.28	68.65	1.63
7101	525708	234161	F	69.869	66.999	2.87
7102	525732	234156	F	69.196	67.316	2.45
7103	525759	234124	F	70.05	67.94	2.21
7104	525777	234141	F	69.893	68.153	1.74
7105	525782	234138	F	70.025	68.245	1.78
7106	525793	234139	F	69.935	68.385	1.55
7107	525797	234124	F	69.957	68.397	1.56
7108	525788	234110	F	70.243	68.743	1.5
7109	525715	234113	F	69.965	68.025	1.94
7110	525718	234107	F	69.939	68.149	1.79
7201	525769	234239	F	69.074	67.874	1.2
7202	525732	234227	F	69.432	67.272	2.16
8000	525801	234093	F	70.57	68.98	1.29
1053	525137	234054	S	73.254	71.424	1.83
1054	525155	234056	S	73.379	72.019	1.36
1056	525187	234070	S	73.658	72.208	1.45
1057	525189	234037	S	73.301	71.511	1.89
1953	525157	233926	S	68.97	67.55	1.42
1954	525157	233918	S	68.94	67.31	1.63
1955	525155	233999	S	71.501	68.851	2.75
1956	525189	233927	S	69.448	68.368	1.08
1957	525127	233955	S	-	-	-
2051	525231	234047	S	73.421	72.181	1.24
2052	525269	234023	S	73.329	69.609	3.72
2151	525268	234100	S	73.597	72.277	1.32
2152	525282	234102	S	73.382	72.042	1.34
2251	525298	234259	S	69.562	64.412	5.15
2252	525299	234254	S	69.669	66.809	2.86
2951	525213	233998	S	72.101	69.177	2.924
2953	525259	233947	S	73.313	69.863	3.45
2954	525210	233943	S	69.968	68.528	1.44
2956	525256	233983	S	72.25	70.7	1.55
3051	525342	234097	S	72.989	71.059	1.93
3052	525337	234067	S	73.591	70.721	2.87
3053	525378	234058	S	73.256	71.446	1.81
3054	525399	234047	S	73.186	71.846	1.32
3055	525331	234026	S	74.261	69.961	4.3
3056	525389	234006	S	73.931	70.441	3.49
3151	525371	234194	S	70.845	69.365	1.48
3152	525309	234103	S	73.152	71.612	1.54
3251	525340	234268	S	69.655	64.575	5.08
3252	525341	234254	S	69.545	67.965	1.58
3253	525361	234221	S	69.729	68.249	1.48
3952	525318	233950	S	72.974	71.414	1.56
3953	525362	233920	S	73.517	72.107	1.51
3955	525303	233968	S	73.224	71.684	1.54
4051	525477	234054	S	72.938	71.588	1.35
4052	525476	234045	S	73.121	71.821	1.3
4151	525491	234186	S	69.996	68.716	1.28
4152	525436	234185	S	70.487	68.787	1.7
4153	525437	234162	S	71.219	69.719	1.5
4251	525487	234096	S	67.894	65.714	2.18
4252	525414	234284	S	68.819	66.679	2.14
4253	525413	234287	S	69.003	64.923	4.08
4254	525423	234247	S	69.321	67.841	1.48
4255	525457	234220	S	69.65	68.22	1.43
4256	525477	234029	S	69.81	68.51	1.3
4351	525476	234305	S	68.189	64.979	3.21
4951	525453	233964	S	73.121	71.381	1.74
4952	525499	233990	S	73.797	72.687	1.11
4953	525480	233929	S	74.837	73.807	1.23
4955	525400	233950	S	74.033	72.793	1.24
4956	525409	233937	S	74.161	72.681	1.48
5051	525529	234055	S	71.857	70.407	1.45
5052	525561	234029	S	72.55	71.2	1.35
5053	525547	234017	S	72.725	71.515	1.21

5251	525550	234280	S	67.922	66.792	1.13
5252	525526	234261	S	68.431	66.491	1.94
5253	525505	234276	S	68.103	66.103	2
5254	525539	234250	S	68.605	67.175	1.43
5255	525554	234205	S	-	-	-
5351	525587	234335	S	68.088	65.248	2.84
5352	525595	234310	S	68.211	65.291	2.92
5353	525572	234315	S	68.094	66.594	1.5
5354	525531	234321	S	67.893	65.083	2.8
5951	525578	233991	S	72.948	71.308	1.64
5952	525550	233978	S	73.469	71.969	1.5
5953	525593	233964	S	73.111	71.661	1.45
5954	525579	233955	S	73.545	71.965	1.56
5955	525537	233940	S	74.421	73.111	1.31
5956	525551	233931	S	74.37	73.26	1.11
6053	525646	234065	S	70.012	68.2	1.812
6054	525660	234034	S	69.425	68.026	1.4
6055	525632	234023	S	70.313	69.013	1.3
6056	525614	234081	S	70.393	68.873	1.52
6057	525662	234072	S	69.595	68.175	1.42
6151	525647	234197	S	69.313	66.683	2.63
6152	525620	234191	S	68.769	67.049	1.72
6153	525602	234199	S	68.863	67.113	1.77
6154	525653	234165	S	69.93	67.56	2.37
6155	525684	234167	S	69.78	67.583	2.197
6156	525681	234181	S	69.69	67.605	2.085
6157	525630	234129	S	69.688	68.718	0.97
6158	525612	234121	S	69.72	68.34	1.38
6159	525686	234107	S	69.605	68.425	1.18
6160	525658	234104	S	-	-	-
6251	525657	234258	S	68.804	67.664	1.14
6252	525605	234284	S	68.463	65.323	3.14
6253	525610	234286	S	68.572	65.352	3.22
6254	525608	234264	S	68.672	65.312	2.96
6255	525638	234214	S	69.276	67.796	1.55
6256	525642	234214	S	69.234	66.414	2.82
6257	525697	234203	S	69.438	67.625	1.813
6351	525697	234320	S	68.267	65.757	2.51
7051	525722	234089	S	70.067	68.897	1.17
7052	525733	234044	S	70.116	69.346	1.07
7151	525709	234163	S	69.835	67.595	2.24
7152	525735	234159	S	69.712	67.802	1.91
7153	525759	234127	S	70.091	68.391	2.11
7154	525776	234143	S	69.922	68.262	1.63
7155	525717	234115	S	69.935	68.665	1.27
7156	525720	234115	S	69.957	68.777	1.18
7251	525734	234230	S	69.41	67.33	2.08
7252	525795	234200	S	69.453	67.983	1.5
7253	525776	234244	S	69.121	67.551	1.57

