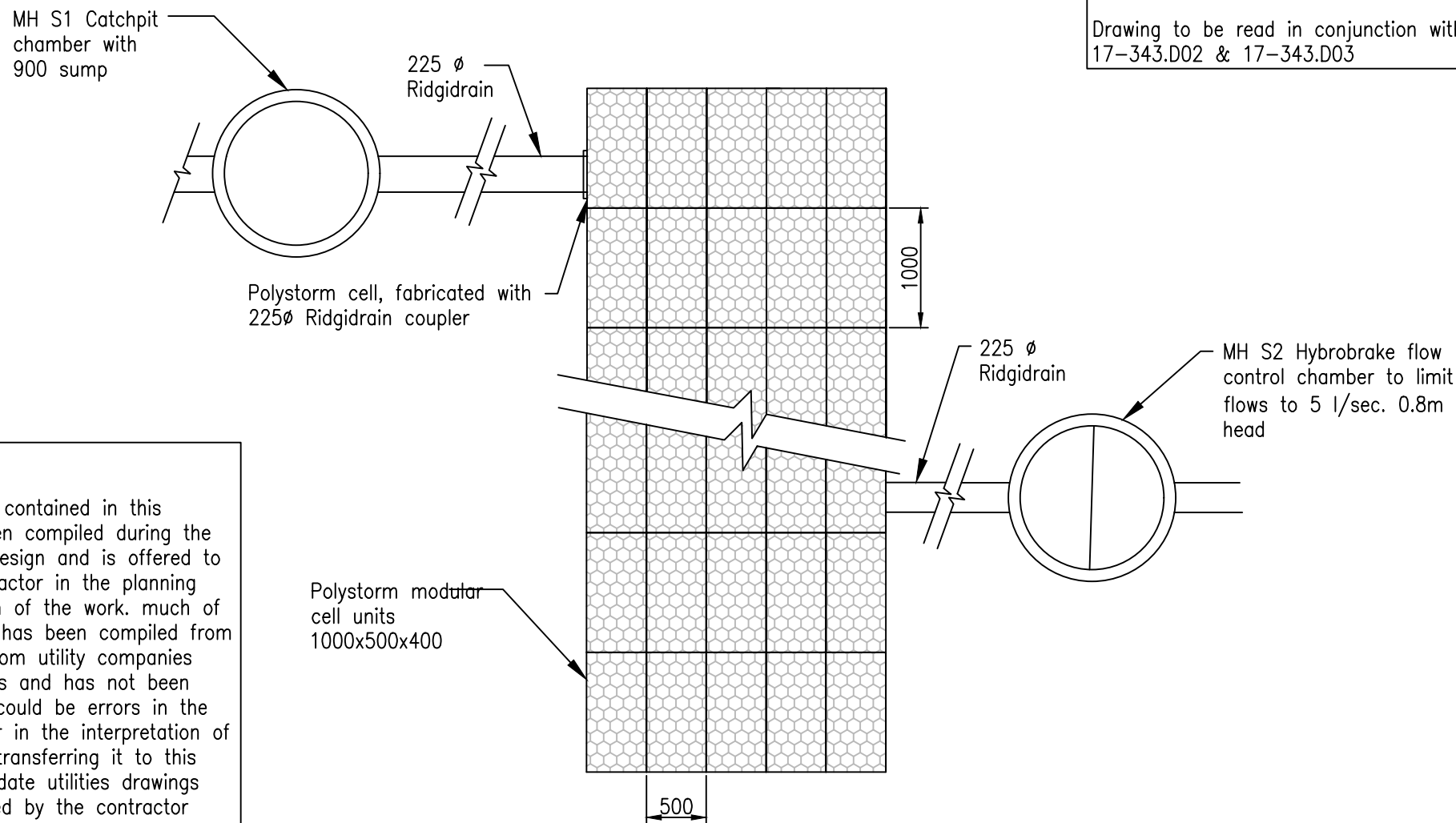
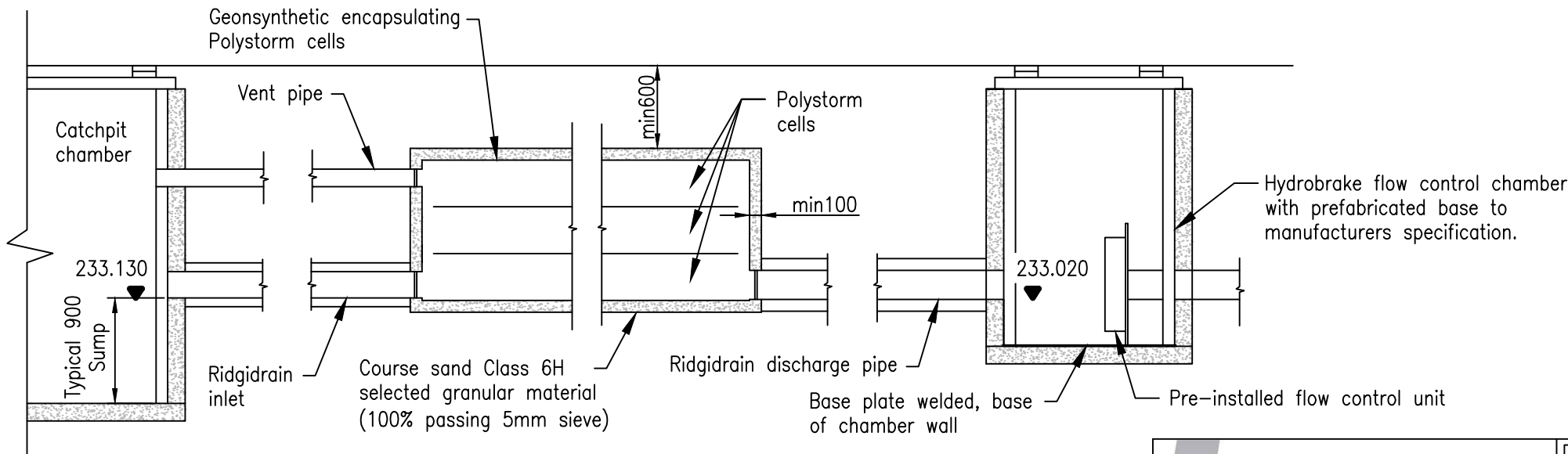


Disclaimer

The information contained in this drawing has been compiled during the course of the design and is offered to assist the contractor in the planning and construction of the work. much of the information has been compiled from data received from utility companies and other bodies and has not been checked. there could be errors in the data received or in the interpretation of the data when transferring it to this drawing. up to date utilities drawings must be obtained by the contractor from the utilities supplier.



Attenuation Tank Plan Typical Detail
@1:50



Attenuation Tank Section Typical Detail
@1:50

Mark	Date	Made by	Revision

HOLDGATE
CONSULTING LTD

CIVIL AND STRUCTURAL
ENGINEERS

Telephone 01274 566696
e: mail@holdgateconsulting.com

The Old Hall
23 Park Road
Bingley
BD16 4BQ

Date	19.11.18
Initials	NM
Scale	As shown @A3

- Notes**
- Do not scale drawings. The Contractor is to check all dimensions on site before carrying out works.
 - This drawing is to be read in conjunction with the Architect's drawings which should be used to verify layout, setting out, finishes etc. any discrepancies are to be brought to the attention of the Architect prior to construction.
 - All tolerances are to be agreed with the Architect. The Contractor will be responsible for ensuring that sufficient tolerances provided are integrated throughout all elements of the work.
 - The Contractor is entirely responsible for maintaining the stability and integrity of all existing buildings and structures within and adjacent to the works and of all works from the date of possession of the site until practical completion of the works.
 - The Contractor shall design, install and maintain all necessary temporary works and shall advise the Architect before commencement of to works, of his proposals for temporary supports and sequence of construction.
 - The Contractor shall prevent overloading of any completed or partially completed elements. Details of the design loads may be obtained from the Architect.
 - All articles, materials and goods shall be new and of good quality, suitable for the required purpose and shall conform to their appropriate British Standard where such exists.
 - New timber shall be softwood grade C16 unless noted otherwise and shall be treated against rot, infection etc. including cut ends.
 - Brickwork and blockwork specification: see Architect's details.
 - Mortar levelling beds for beams to be 1:3 (cement:sand ratio).
 - All structural steelwork is to be mild steel thoroughly cleaned of all scale and rust then painted with two coats of red oxide prior to installation.
 - All metal fixings to be BAT or similar approved and fixed in accordance with manufacturer's instructions unless noted otherwise. All nails to be square twisted.
 - Concrete padstones and beam surrounds to be as follows:
C20 OPC
20mm max. agg. size
Min. cement content 330kg/m
Beams are to bear centrally on full width padstone.
 - Mortar shall be 1:3 mix with plasticiser.
 - Cavity shall be filled in max. 400mm lifts and concrete shall be min. strength C25. On site mix may be 1:3:2 (cement:sand:gravel ratio) with 10mm aggregate.
 - Concrete to be class C35 utilising sulphate resisting cement.
 - Cover to all reinforcement to be 40mm unless noted otherwise.
 - Minimum laps to reinforcement are to be 400mm for 10mm bars, 480mm for 12mm bars, 640mm for 16mm bars and 800mm for 20mm bars.
 - Foundation concrete shall be C35 strength, utilising a minimum cement content of 300 kg/m.
 - Cover to foundation reinforcement to be minimum 40mm.
 - Items noted 'to be verified on site' are to be exposed by the Contractor for inspection by the Engineer.
 - New foundations are to bear 150mm into firm clay (or other approved material) at a depth to match existing foundations.
 - See Architect's details for damp proofing specification and location.
 - Finish to top surface of concrete to be as per Architect's detail.
 - All bolts to be grade 8.8 unless stated otherwise.
 - Beneath raft foundations sub-strata to be well compacted before laying imported Type 1 stone to depth as indicated by Building Control (but min. 300mm), and to be compacted in layers.
 - All junctions between new masonry and existing to raft extensions to have a furfix joint full height with a polysulphide sealant.

Preliminary

Date	19.11.18	Job No.	17-343	Job Title	St.John the Baptist
Initials	NM	Drawing No.	D04	Drawing Title	Typical Attenuation Details
Scale	As shown @A3	Revision			