

NOTES

- 1 This drawing to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- 2 Dimensions are in millimetres unless noted otherwise.
- 3 Original topographic survey undertaken by 3D Services Limited.
For full topographic survey information see drawing 19/068/01 by 3D Services.
All levels based on O.S. by G.P.S.
- 4 Estimated Greenfield Flows from the site :

Return Period (1.x Years)	Peak Outflow (Q) (l/s)
1	0.89
Q bar	1.05
30	2.41
100	3.34
200	3.92

- 5 Proposed Attenuated Flow from the site (Controlled by pumped flow restricted to 4 l/s)

Return Period (1.x Years)	Peak Outflow (Q) (l/s)
1	2.8
30	4.0
100 + 40%	4.0

Maximum water elevation for 1:1 year storm event = 4.969m AOD)
Maximum water elevation for 1:30 year storm event = 5.042m AOD)
Maximum water elevation for 1:100 year + 40% storm event = 5.177m AOD)

- 6 Foul Pumping Station (P1) Specification :
Proprietary Pumping Station shall be Ø1.5m Twin Surface Water Type by (supplier to be confirmed) and shall be in accordance with the following :

Chamber : 1.50m diameter, 2.75m deep, GRP chamber Pump Station.
275mm minimum Mix ST4 concrete surround.

Pumps : 2 No. suitable for surface water

Duty Flow : 4 l/sec

Cover Grade : D400

Control Panel : Mounting to be confirmed - Location also T.B.C. by The Architect

Vent Location : To be confirmed on site by The Architect / Engineer

Pumps shall be switched to operate at least once per week.

High Level Alarm and Operating Manuals shall be provided.

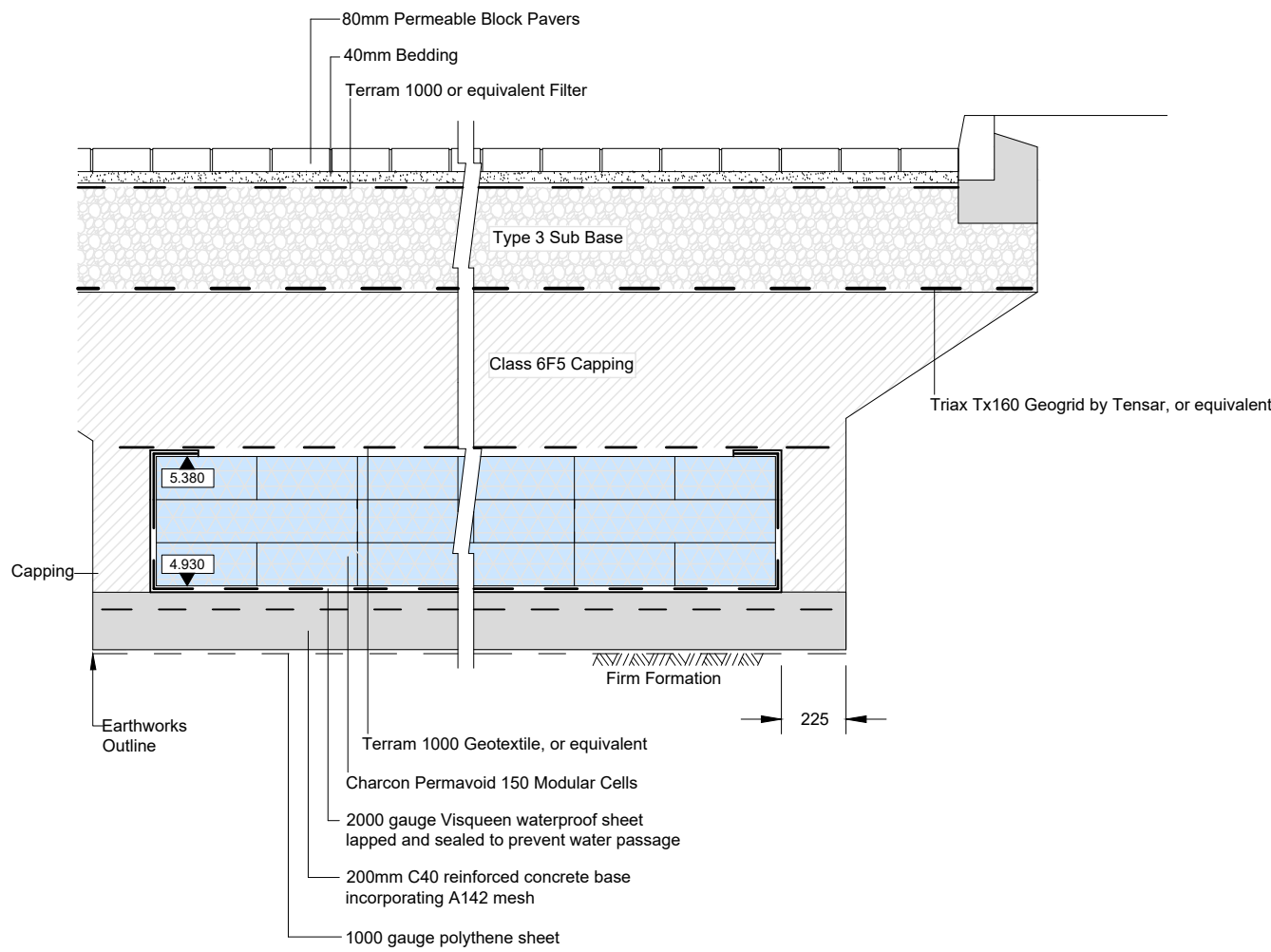
Alarm position shall be confirmed by the Engineer.

Incoming and outgoing pipe orientation shall be noted.

The Contractor shall provide, install and commission the pumping station, and shall confirm duty flow through a witnessed draw down test. Report shall be submitted to and be accepted by The Engineer as part of the commissioning process.

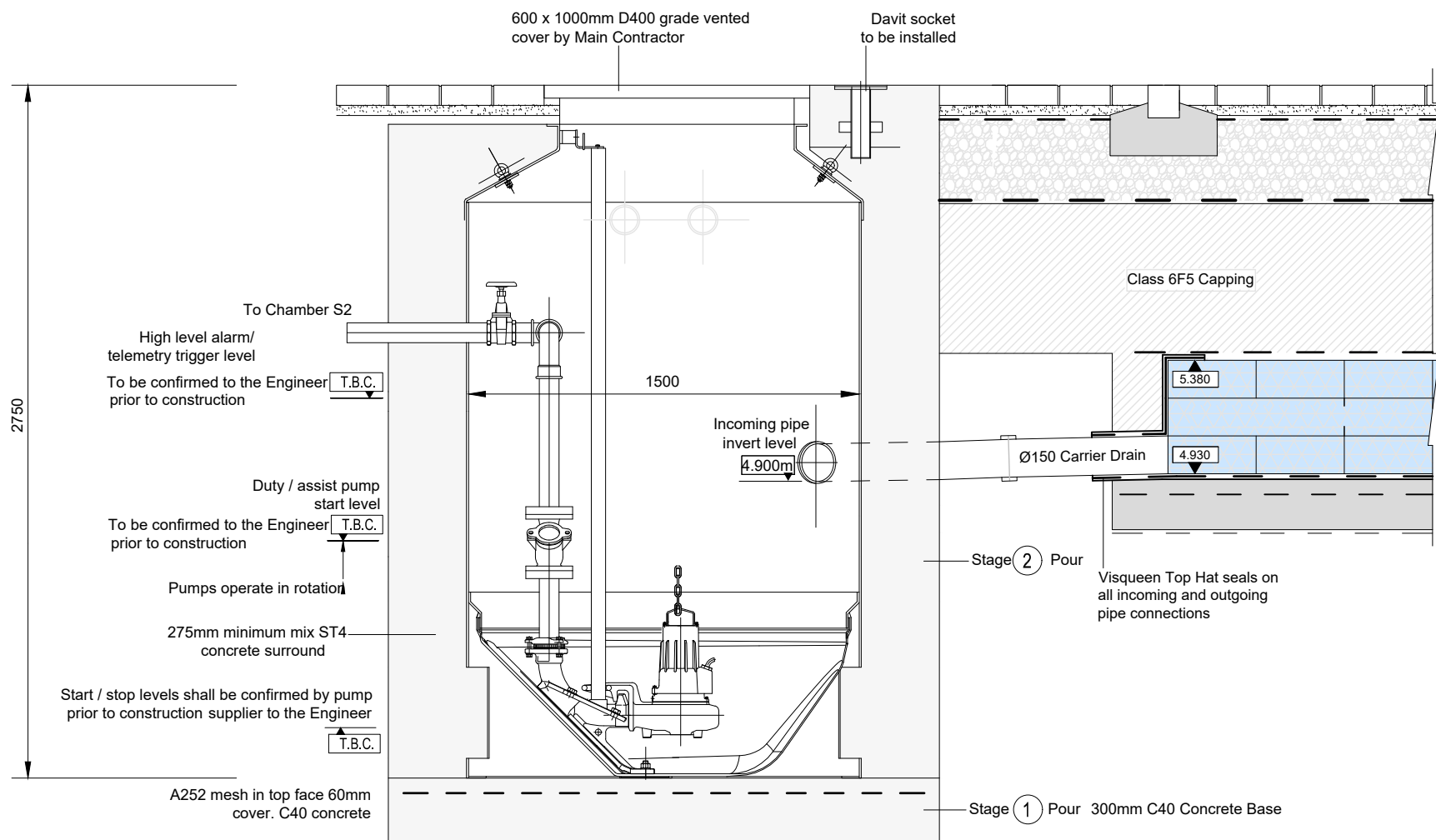
Supplier quote reference (to be confirmed).

Provision of station shall include maintenance manuals, lifting davit, manhole keys etc., and 1 years maintenance from date of substantial completion certificate



ATTENUATION TANK DETAIL

Scale 1:25



PUMPING STATION P1

Typical Section Scale 1:25

The Contractor shall ensure that there is a watertight interface between the Stage 1 and Stage 2 pours. The tank surround is intended to prevent deformation from hydrostatic pressure and resist flotation

P2 PUMP STATION DETAILS UPDATED. NOTE 5 REVISED. - PF-15-06-20

REV	DESCRIPTION	CHECKED	DATE
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Archibald Shaw

Consulting Civil & Structural Engineers
One Little London Chichester West Sussex PO19 1PP
Telephone: 01243 786471 www.archibaldshaw.co.uk

CLIENT

Hamlet Homes

PROJECT

Elm Grove

Hayling Island

Sections and Details (2 of 2)

DRAWN BY	CHECKED BY	DESIGNED BY
PF	VC	VC/PF
SCALE @ A1	@ DATE	STATUS
1:25	May. 2020	Planning
JOB NO.	DRAWING NO.	REVISION
30666	EX.04	P2