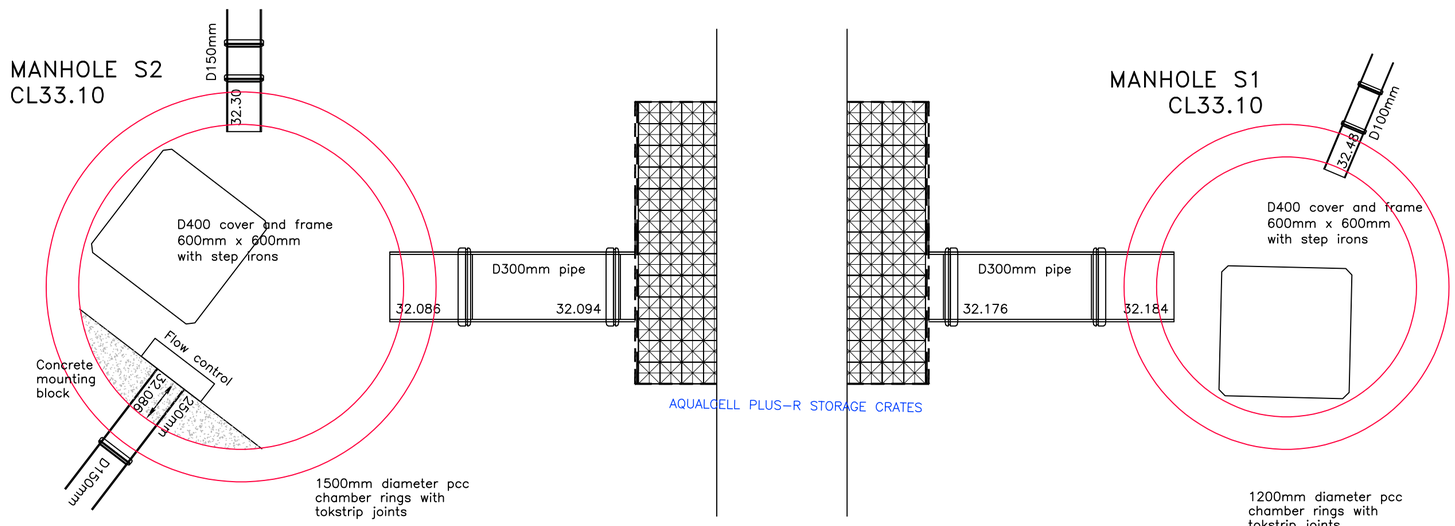
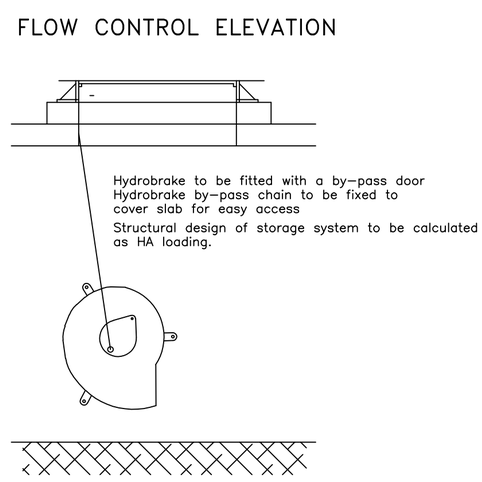
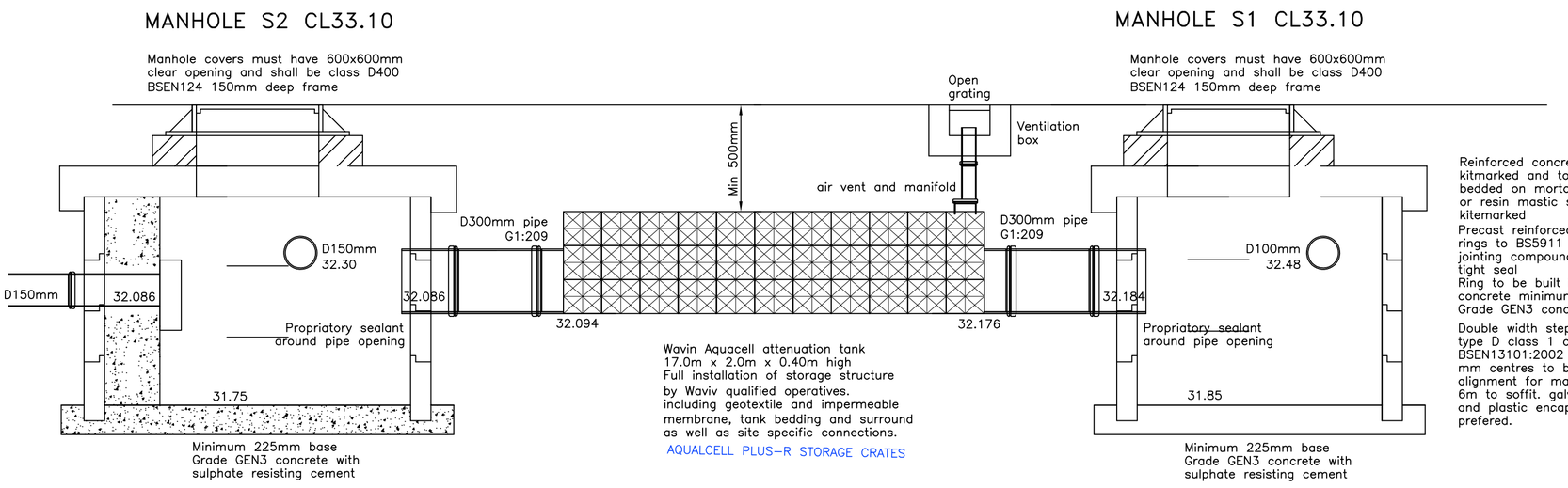
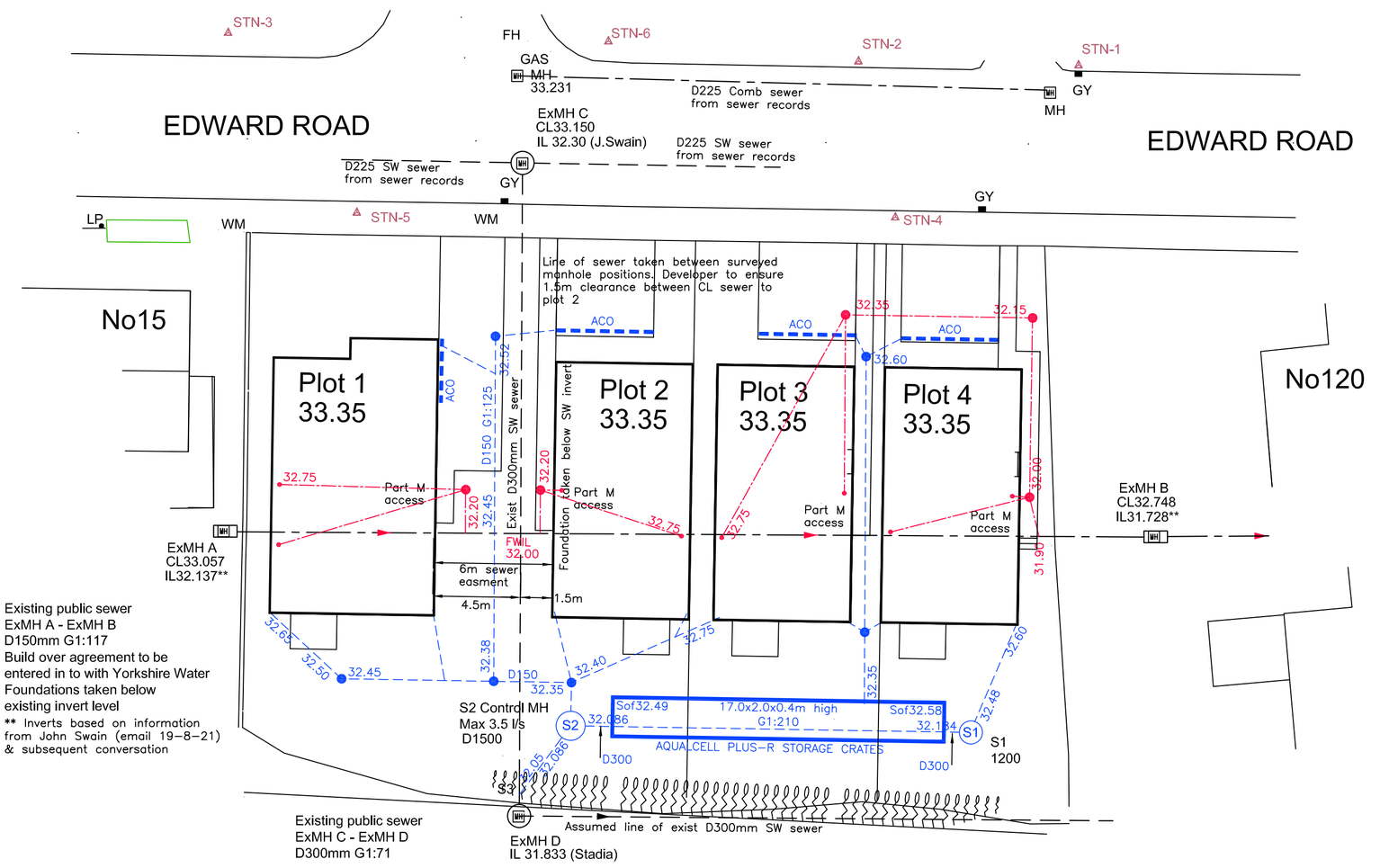




S2 control manhole
Hydrobrake with
bypass door from
Hydro International UK
Shearwater House
Clevedon Hall Estate
Victoria Road
Clevedon BS21 7RD
Tel 01275 878371
MD-SH-0096-3500-0500-3500
Head 0.50m Flow 3.5 lts/sec

SEE WAVIN DRAWING FOR
FULL DETAILS





Existing public sewer
ExMH A - ExMH B
D150mm G1:117
Build over agreement to be
entered in to with Yorkshire Water
Foundations taken below
existing invert level
** Inverts based on information
from John Swain (email 19-8-21)
& subsequent conversation

Section 106 connection applications
for new surface and foul connections
to be submitted by developer / contractor

PRIVATE DRAINAGE

All drainage to comply with BS8301
100mm drains to be laid at minimum
gradient 1 : 80. 150mm drains to be
laid at minimum gradient 1 : 150.
All drainage to be 100mm diameter,
unless otherwise stated. All final
connections to main sewer to be
150mm diameter. All connections
joints to remain flexible.
Drains passing under buildings to
be retained flexible with a bed and
surround of pea gravel. All drains to
be bridged over with concrete lintels
when passing through walls.
All foundations to be taken below
invert level of localized drains where
within 1.00m of foundations.
All sink wastes not connected to an
inspection chamber or manhole to be
connected via a roddable gully.
225mm dia inspection chambers to be
laid at a maximum depth of 600mm
below finished ground level.
450mm dia inspection chambers to be
laid at a maximum depth of 1200mm
below finished ground level.
1200 x 1000mm pc concrete sections
to BS 5911 to be laid at a maximum
depth of 3.00m below finished ground
level.

Rodding eye

Aco channel or similar

NORTH

GRID- Related to
Ordnance Survey using
One Point Localisation on
Station S4. Orientation at
OS Grid North.

LEVEL- Related to
Ordnance Survey by
connection to the OS
Active Network by G.P.S

F. Storage structure details added 8-10-21
E. Note revised a sclient instruction 7-10-21
D. Layout revised as Architects plan. Storage increased
drainage adjusted 7-10-21
C. Note added to 1.5m offset easement following YW
email 24/9/21. other dimensions removed for client
/ architect consideration. 106 note added 27-9-21
B. Plots 1-3 adjusted to give 1.2m Part M access
& maintain offset sewer easement 14-9-21
A. Plot 3 annotated part M rear access. Layout revised
as client instruction 27-8-21

DRAINAGE STRATEGY

SURFACE WATER
An existing D300mm surface water sewer
passes through the site north to south.
After extensive discussions with YW we
intend to design around the surveyed
position with an offset 6.0m easement.
as agreed
Surface water from the development will
be collected in a cellular storage structure
17.0x2.0x0.4m high, discharge from which
will be limited to 3.5 l/s as YW response
U309205.
The storage will be designed to accomodate
the 100year storm with a 40% allowence
for climate change.

FOUL WATER
An existing D150mm combined sewer passes
through the site west to east. It intended to
enter in to a build over agreement with YW
The sewer will be CCTV surveyed to ensure
no defects prior to construction and after to
ensure the pipe is in good condition.
Adjacent foundation taken below invert level

Trial holes to be taken at all drainage crossing
points and checked prior to ANY work on site

R.A.B. ENGINEERING DESIGN LTD
12 BERRY HOLME CLOSE
SHEFFIELD S35 1AB
TEL.(0114)2464871

Blackstone Developments

Edward Road, Barnsley
Proposed drainage layout

DRAWN BY rab
SCALE 1:200 (A2) DATE Aug21
DRAWING No 1139-1 REV F

PRELIMINARY ONLY