

ALL MANHOLES AND DRAINAGE COMPONENTS TO COMPLY WITH UNITED UTILITIES CURRENT STANDARD DETAILS. ANY DEVIATION BETWEEN THESE AND THE CURRENT DESIGN TO BE CLARIFIED PRIOR TO CONSTRUCTION.



R.A.B.
ENGINEERING
DESIGN LTD

12 BERRY HOLME CLOSE
SHEFFIELD S35 1AB

High Grange Developments Ltd

Mill Hill, Cleator Moor
Plots 15-64 & 80-82
S63 Manhole detail

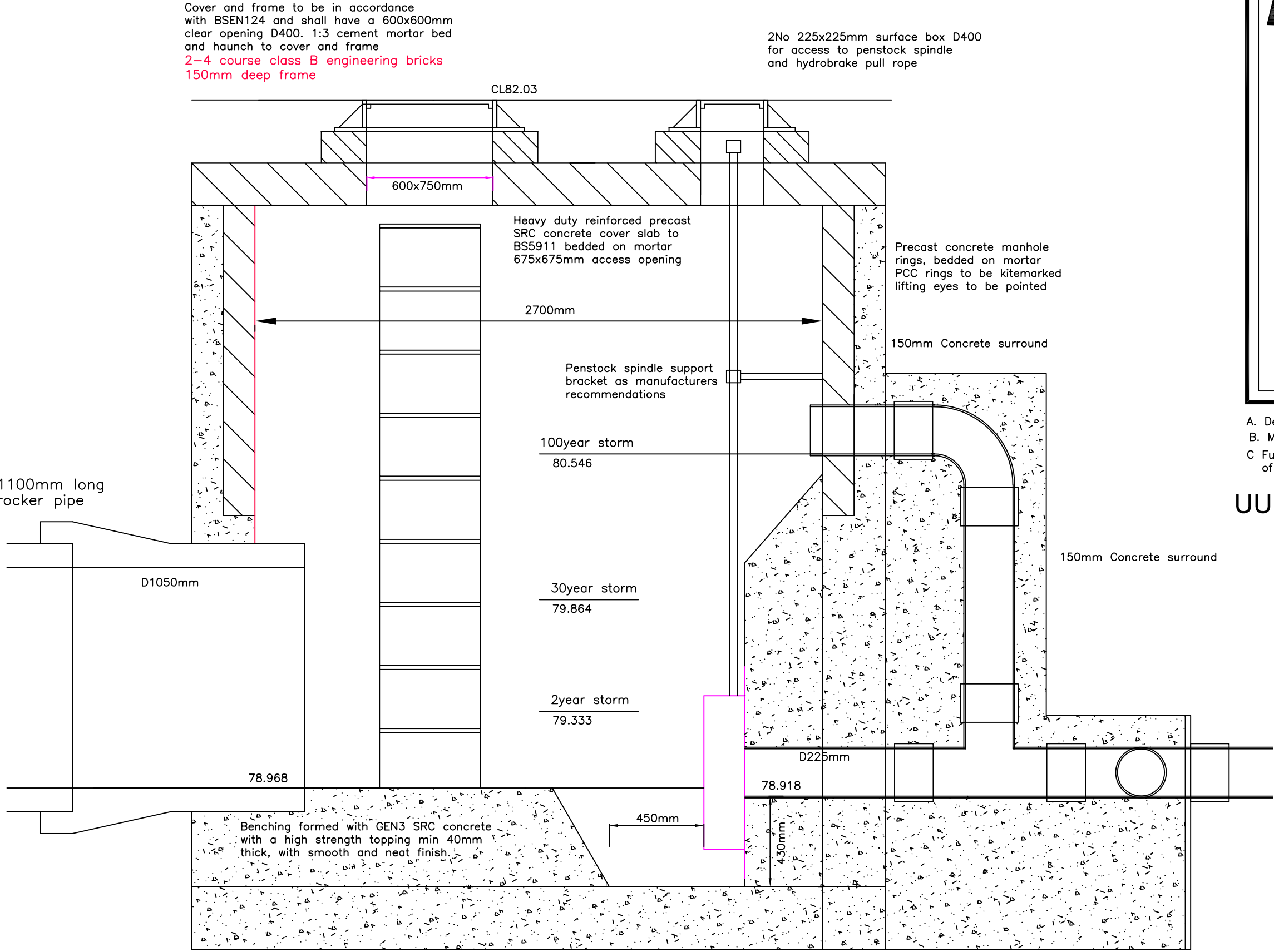
DRAWN BY rab

SCALE H1:500 V1:100 DATE Apr17

DRAWING No 1083-12-7 REV C

A. Details/revisions for section 104 submission 28-11-19
B. Manhole relevant to phase 2A UU number added 1-8-20
C Full redesign following layout changes and implementation of surface water storage basin 14-8-21

UU REF 4200029492 - PHASE 2A



Manhole S63

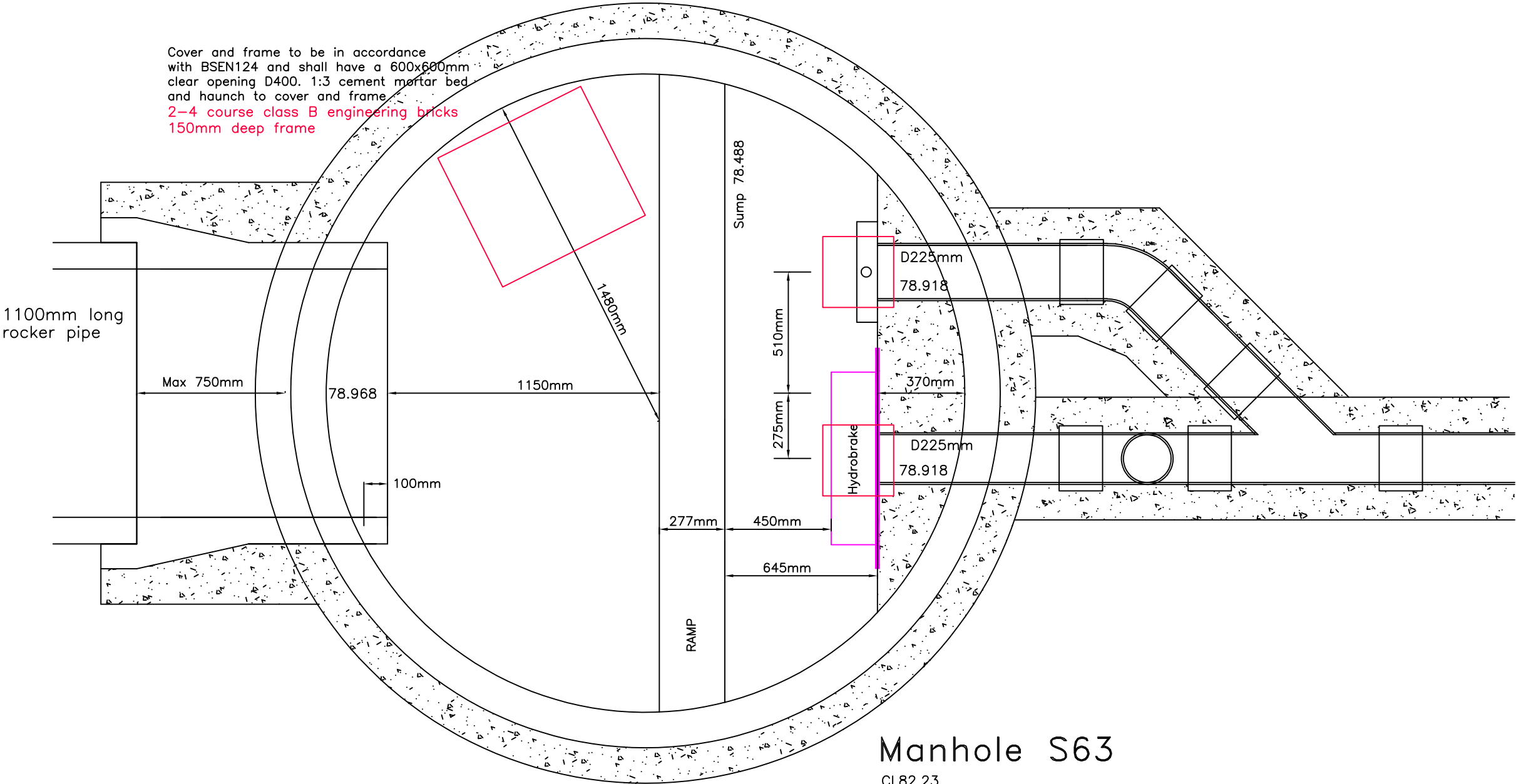
CL82.23
D2700mm

300mm thick cast insitu concrete base slab formed in sulphate resistant RC40 concrete with two layers of A393 mesh in both top and bottom faces. Minimum cover to reinforcement 50mm. On 50mm concrete blinding.

S63 control manhole
Hydrobrake Optimum with
bypass door from
Hydro International UK
Shearwater House
Clevedon Hall Estate
Victoria Road
Clevedon BS21 7RD
Tel 01275 878371

MD-SHE-0182-1700-1200-1700
Head 1.20m Flow 17l/s

S63 225mm penstock
Everyvalve Ltd
19 Station Close
Potters Bar
Herts EN6 1TL
Tel 01707 642018
Handle to be operable
from access cover
Handle be hung from cover
slab adjacent opening



Manhole S63

CL82.23
D2700mm