



WSSC S38/278 STANDARD DETAILS
PRECAST CONCRETE RING SOAKAWAY
(Scale 1:20)

1. Do not scale from this drawing
2. Cover grade shall be minimum D400 unless otherwise agreed with the Highway Inspector. 675mm clear opening.
3. Manhole cover and frames shall comply with the relevant provisions of BS EN 124, BS 7903 and Highway Agency Guidance Document HA 104/02. They shall be of a non-racking design which does not rely on the use of cushion inserts. All manhole covers shall be the non-ventilating type and shall have closed keyways.
4. Frames shall be bedded on a gauged Class 1 (3:1) sand/cement mortar to BS 2464 (SWH Slower Mixture Designation) and between 2 and 4 courses of Engineering Brickwork Class 3* to BS EN 771-1:2011.
5. Steps for manhole and other chambers shall be Type D Class 1, complying with the requirements of BS EN 13101:2002.
6. Precast concrete manhole step risers at 300mm centres vertically and staggered 300mm between centres.
7. On manholes less than 1.5m² reducing slab not to be used and PC rings to continue up to cover slab.
8. Precast concrete products shall comply with the relevant provisions of BS 5911: Part 2, 2000 & 230.
9. The design criteria shall be agreed with WSCC. Drainage strategy and flood risk reports shall be provided. In the absence of this information the designer shall ensure compliance as follows:
 - Site Investigation Report
 - Infiltration Test Results.
 - Design Calculations in accordance with BRE365 or CIRIA156.
 - Design for 100yr Return Period and include an allowance for climate change.
 - Environment Agency consent.
10. Where multiple soakaways are to be linked via pits at the same location, the minimum spacing must be equal to the excavated pit size.
11. Soakaways to be sited clear of the footways and service margins in order to avoid obstructing the route of public utilities.
12. Locations within verges and other adaptable areas should be chosen, in preference to the carriageway.
13. Ground water monitoring may be necessary to establish highest seasonal variation. Where 1m of unstratified ground below the soakaway cannot be achieved, seek advice from WSCC.



REV	DATE	INT	DESCRIPTION	CH
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Issue Status	FOR APPROVAL
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the
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CLIENT Barratt David Wilson Southampton

PROJECT
Swanbourne Park
Angmering

TITLE	Construction Details Adoptable Road
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DRAWN	DATE	PROJECT NO.
M Pacifico	June 2014	22067
ENGINEER	CHECKED	DWG. No.
A French		REV.
SCALE		501
As Shown @ A1		