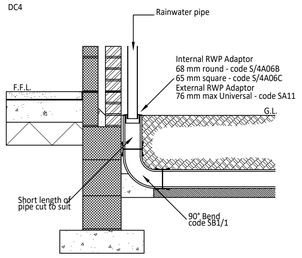
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GENERAL NOTES:

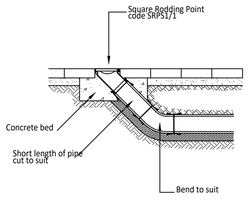
1. Do not scale.
2. Refer to all other Project Drawings.
3. All sewers to comply with the requirements of the water authorities publication "Sewer Sector Guidance (SSG)" together with Southern Waters Technical Advisories.
4. All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.
5. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.
6. All manhole ironworks to comply with BS EN124, and be stamped with BSI Kitemark. Covers to suit loading as below;
 - -Carriageways and Roads - D400
 - -Driveways and Verges - C250
 - -Footways and Pedestrian Areas - B125
 - -Gardens/Landscaping - A15
7. All sewer pipes, up to, and including 225mm are to be vitrified clay to BS EN295. All sewer pipes 300mm diameter and above to concrete pipes to BS EN1916.
8. All drainage shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.
9. All bedding shall be Class S unless noted otherwise.
10. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.
11. Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints. Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.
12. Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.
13. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.
14. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade C8/C10 concrete over its full length (which should not exceed 15m) and its connection to the carrier system.

ALL PIPE BEDDING TO BE CLASS 'S' GRANULAR SURROUND UNLESS NOTED OTHERWISE ON THE DRAWING

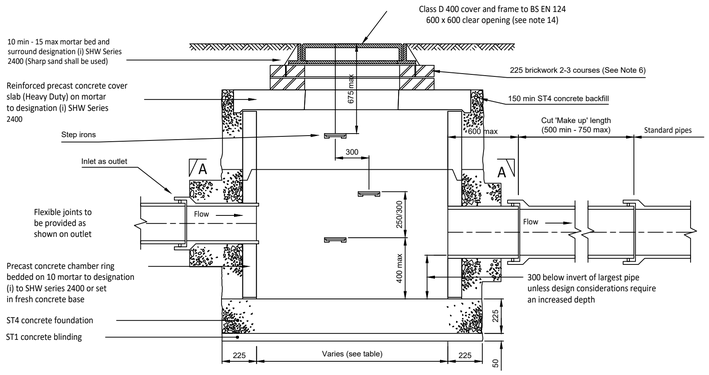
External Rainwater Pipe.
Connection Detail
DC4

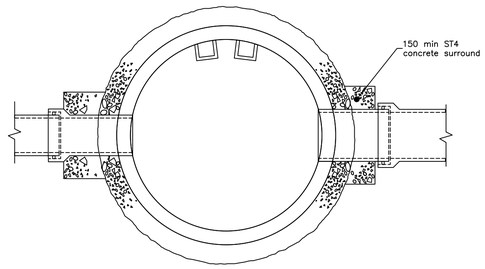


Rodding Point
Installation Detail
AP1



Catchpit Manhole



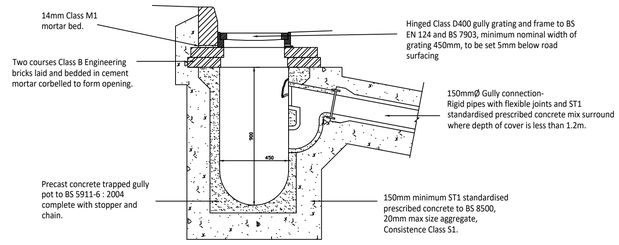


Section A-A

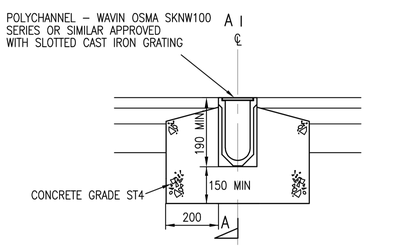
1. All dimensions are in millimetres
2. Water Authorities Association guide Sewers for Adoption applies except where modified by this drawing.
3. Cover and frame to be Class D400 Badgemarked, HD, and Kitemarked and have a protective coating complying with BS EN 124: 1994.
4. Catchpits to be positioned so that no part of the structure is under the kerb.
5. Entrance to catchpits to be positioned with consideration for safety.
6. Bricks to be Engineering Class B to BS 3921 laid in English Bond in mortar to designation (i) to SHW series 2400.
7. Pre-cast concrete chambers shall comply with BS 5911 Part 200.
8. Mortar to designated (i) to SHW series 2400 or a proprietary sealant shall be used in all joints between precast concrete units.
9. Finish to internal concrete to be F1 on formed surfaces and U2 on unformed surfaces.
10. All voids beneath the catchpit structure shall be backfilled with ST1 concrete.
11. Ends of pipes shall be neatly built into the chamber and finished flush with mortar to designation (i) to SHW series 2400.
12. The nearest joints to chamber shall not be restricted by concrete
13. Safety chains or grills must be provided where pipe diameter exceeds 600.
14. Surface level tolerance +6 -15 in paved areas -15 min. -50 max. in verges.

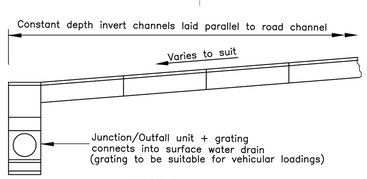
Internal diameter of chamber	Diameter of largest pipe in chamber
1200	Less than 375
1350	375 - 450
1500	500 - 700
1800	750 - 900

CATCHPIT SIZES



Gully Detail

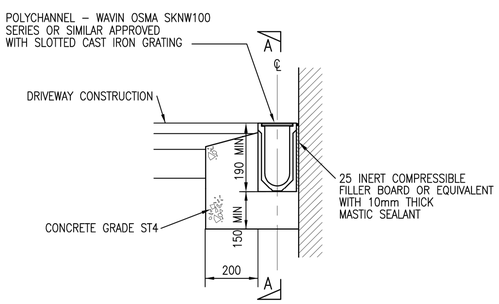




SECTION A–A

TYPICAL POLYCHANNEL DETAIL

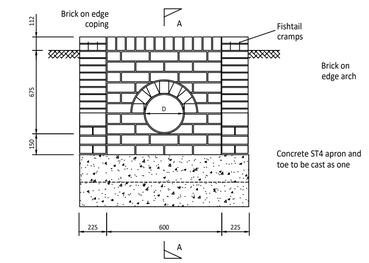
DRIVE/PARKING BAY LOCATION



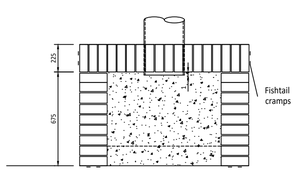
SECTION A–A

TYPICAL POLYCHANNEL DETAIL

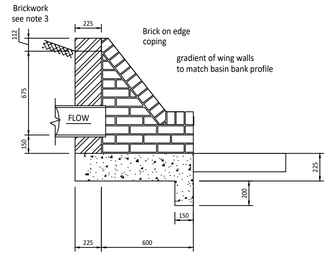
ADJACENT TO FRONT OF GARAGES



Elevation



Plan



Section A-A

1. All dimensions are in millimetres unless shown otherwise.
2. Brickwork constructed in English Bond in Class B engineering bricks to BS 3921: 1985 & BS EN 772 flush pointed with mortar to designation (i) SHW Series 2400.
3. Concrete to be grade ST4.
4. Unformed surfaces to be U2 plain finish.
5. All concrete below ground shall have Class 2 sulphate resistance.

OUTFALL HEADWALL DETAIL

Rev	Date	Description	Drawn	Checked
C	04/21	Details updated following Adur & Worthing Council comments	JS	SL
B	03/21	Details updated following Adur & Worthing Council comments	JS	SL
A	12/20	First Issue	DS	SM

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Client
BARRATT
DAVID WILSON HOMES

Project
WATER LANE, ANGMERING

Title
DRAINAGE CONSTRUCTION DETAILS SHEET 2

Status
FOR TENDER

Scale	Date	Drawn	Checked
AS SHOWN@A1	DEC 20	DS	SM

Drawing No: A290-613
CIV-1-4063 C
Revision: C