

D400 Ductile Iron Cover and Frame (300 mm x 300 mm x 100 mm) to BS-EN 124, Bedded on Class M1, M2 or Epoxy Mortar

3No.Courses Class B Engineering Brickwork (215 mm thick) to BS 5911 Bedded on and Pointed in Sand/Cement Mortar (10 mm thick).
Max. Oversail 30 mm Per Course.

In-Situ Class C32/40 Concrete Collar (150 mm thick) to SHW Clause 1704

4/10 Gc 85/20 Single Sized Aggregate Backfill (150 mm thick) Compacted in Layers of 150 mm

450Ø Polypropylene Shaft (Min. 450 mm Internal Diameter)

Preformed Polypropylene Inspection Chamber Base. Joints Between Base and Shaft Components to be Fitted with Watertight Seal.

600 mm Rocker Pipe (or Bend) on All Inlets and Outlets

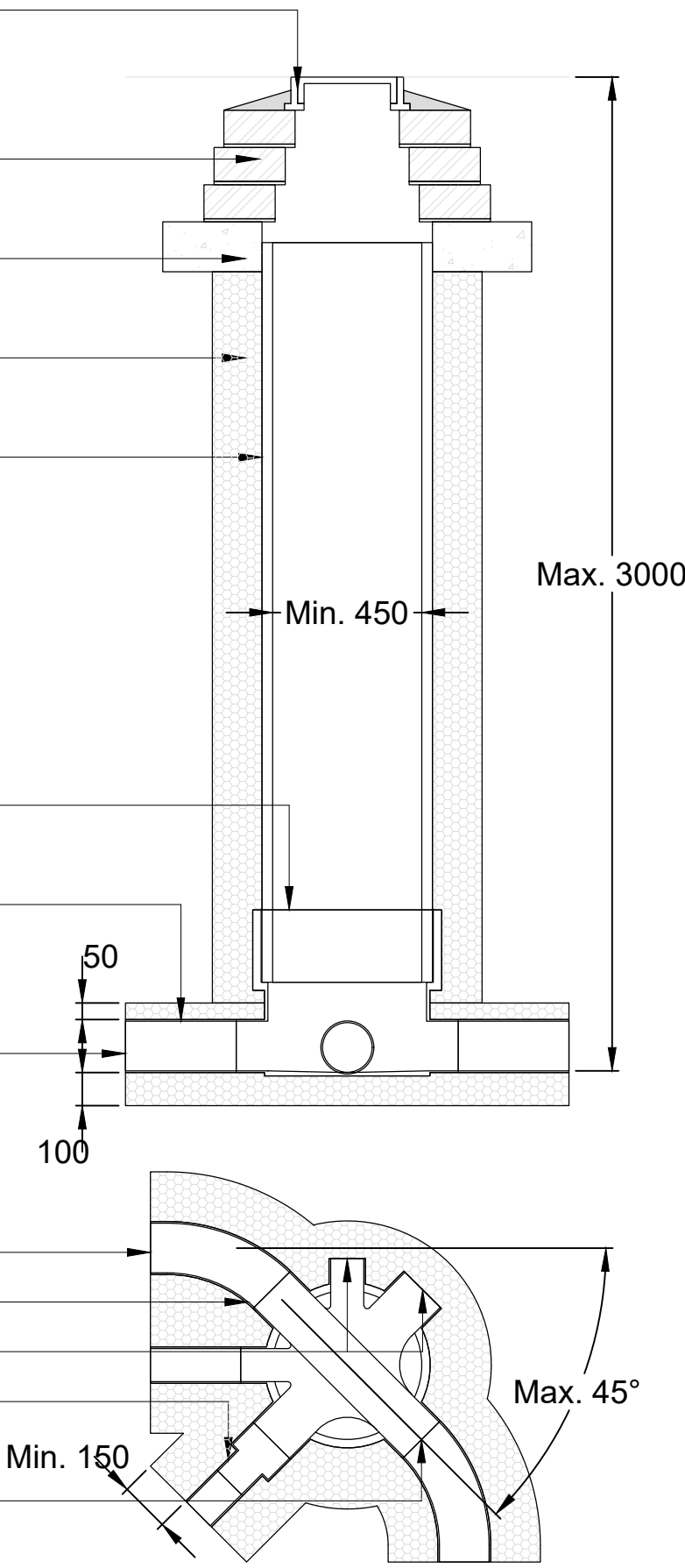
100Ø/150Ø Inlet Pipe

Where Chambers are Positioned on 90° Corners, Always Use the Main Channel by Fitting 45° Bends on the Inlet and Outlet
Flexible 100Ø/150Ø Inlet and/or (Long Radius) Bend (Max. 45°)

Unused Inlets to be Sealed and Watertight

100Ø to 150Ø Adaptor on Inlet Pipe (If Necessary)

Joint to be as Close as Possible to Face of Chamber to Permit Satisfactory Joint and Subsequent Movement



TYPICAL TYPE 3 INSPECTION CHAMBER

Landscaping and Topsoil (Depth Varies)

Backfill with Selected Suitable As-Dug Material

100 2/6.3 Gc80/20 Washed Aggregate to BS-EN 13242

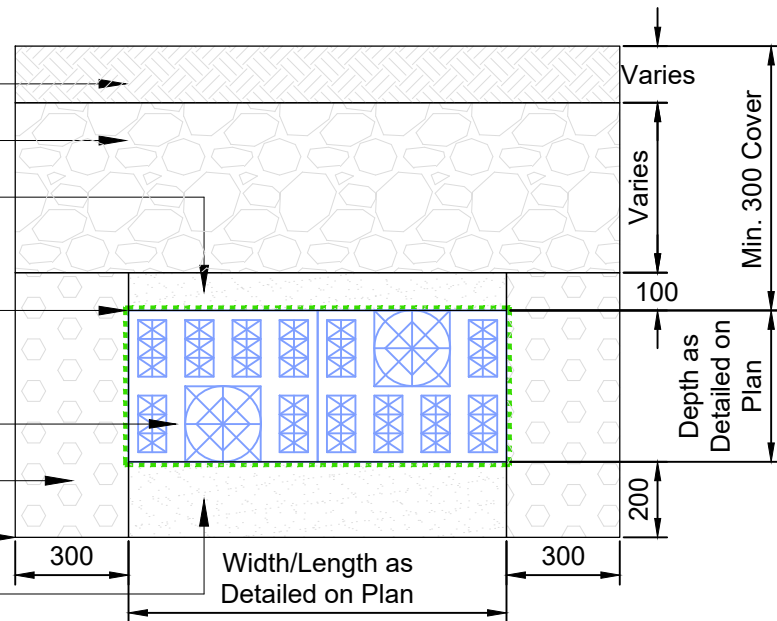
Line with Permeable (Flow Rate 100 l/s/m²) Geotextile Separator to BS-EN 13252 to Prevent Migration (O₉₀=0.12 mm)

Cellular Storage Units 1.0 m (L) x 0.5 m (W) x 0.4 m (D). Laid in Staggered Courses.

Type B Filter Material to SHW Clause 505

Virgin Ground

200 2/6.3 Gc80/20 Washed Aggregate to BS-EN 13242



TYPICAL CRATE SOAKAWAY (IN NON-TRAFFICKED AREAS) CONSTRUCTION DETAIL

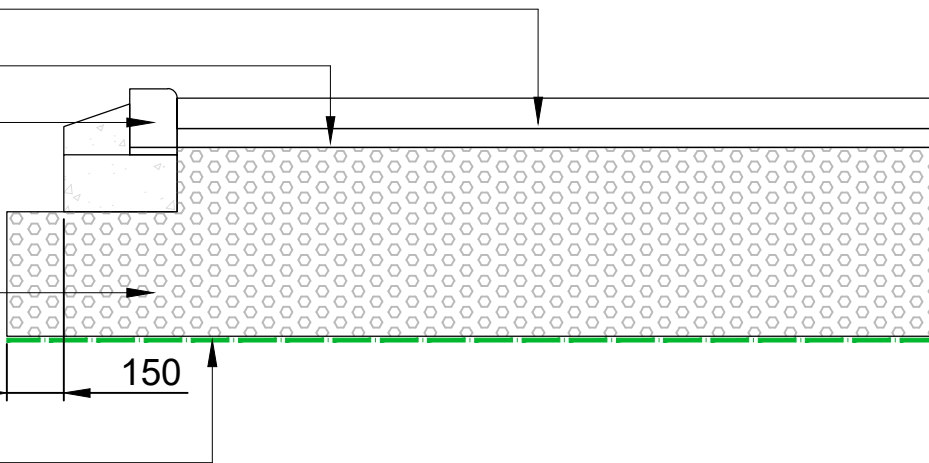
200x100x80mm Thick Permeable Block Paving Laid to Manufacturer's Specification with 2/6.3 Gc 80/20 Washed Aggregate Brushed into Joints

50 2/6.3 Gc 80/20 Washed Aggregate Laying Course To BS-EN 13242

Bull Nosed Kerb

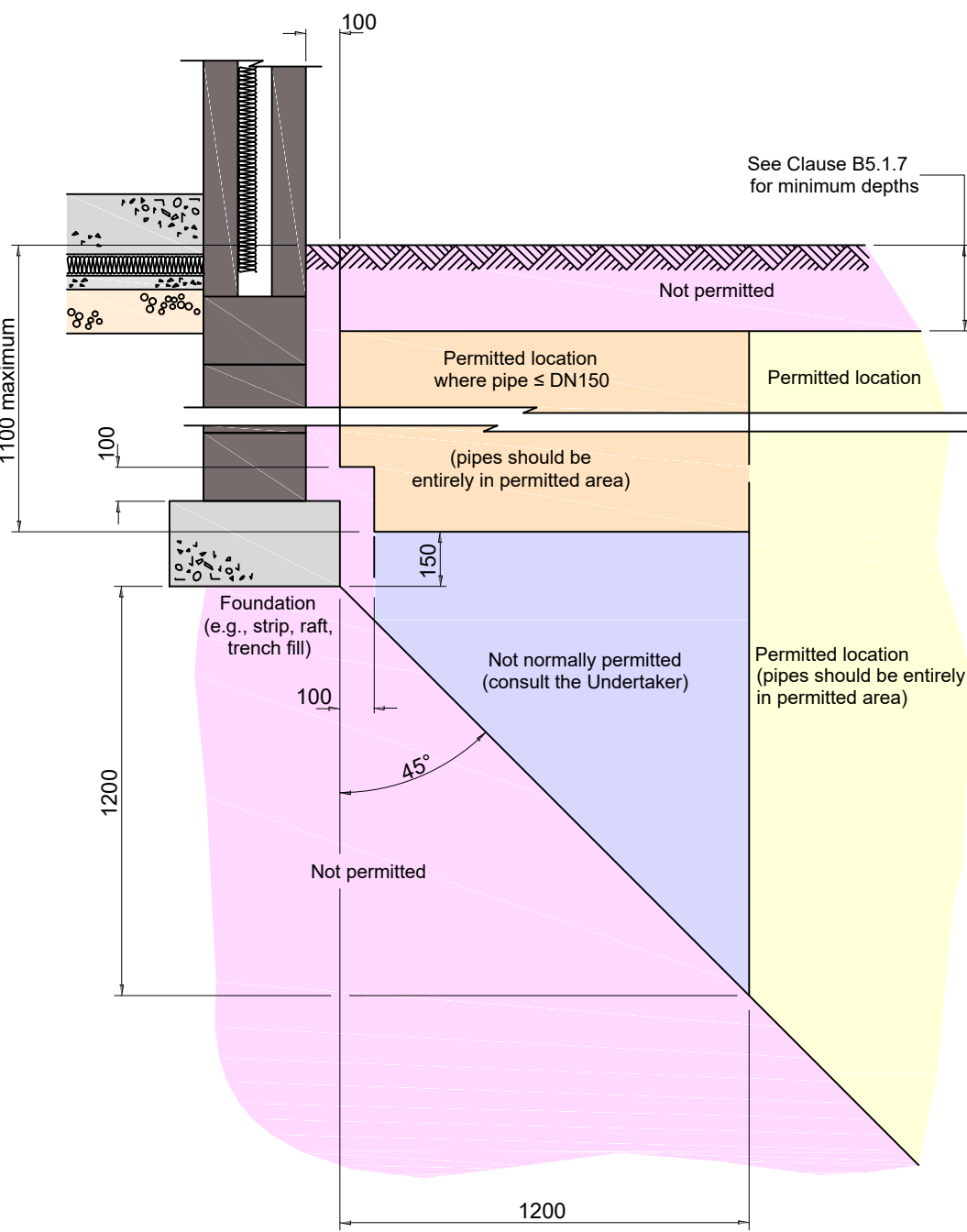
Min. 500 Non-Frost-Susceptible Type 3 Granular Material to SHW Clause 805 (Min. 25% Voids) 0/40 Gc 80/5 (UF5). Based on a 3% CBR - To Be Confirmed by In-situ Testing

(Permeable) Membrane To Divide Granular Material And Underlying Ground. Impermeable Where < 2 m to Structural Foundations or Shown on Plan



TYPICAL PERMEABLE PAVING (NO HEAVY VEHICLES) SECTION DETAIL

FIGURE B.1
ILLUSTRATION OF THE PERMITTED LOCATION OF ADOPTABLE SEWERS AND LATERAL DRAINS IN PROXIMITY TO BUILDINGS



Not to scale, dimensions in millimetres

Road Construction (Depth Varies)

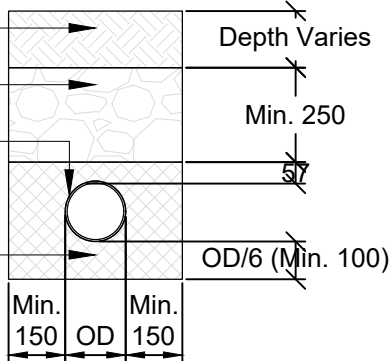
Or

Landscaping and Topsoil (Depth Varies)

Min. 250 As-Dug Material to SHW Clause 503.3(iv)

Pipe (Diameter as Detailed on Plan)

4/10 Gc80/20 Single Sized Coarse Aggregate Surround to BS-EN 13242



TYPICAL CLASS S PIPE BEDDING CONSTRUCTION DETAIL

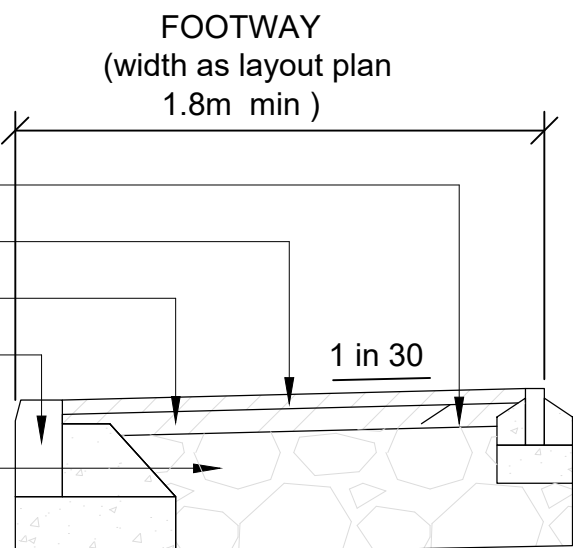
50x150 Flat Top Edging (EF) to BS-EN1340

25 AC6 DENSE SURF 40/60 to BS-EN 13108-1 and PD6691 (Asphalt Concrete)

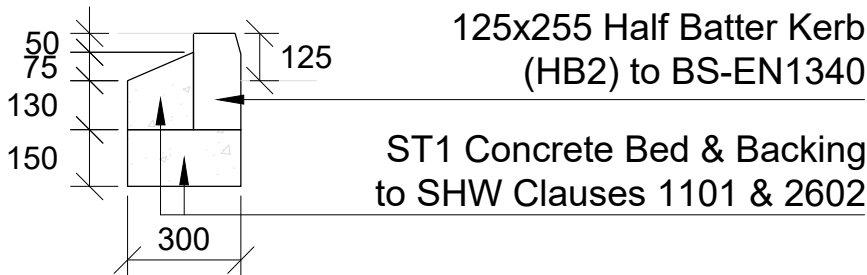
60 AC14 Close Surf 40/60 to BS-EN 13108-1 and PD6691 (Asphalt Concrete)

125x255 Half Batter Kerb (HB2) to BS-EN1340

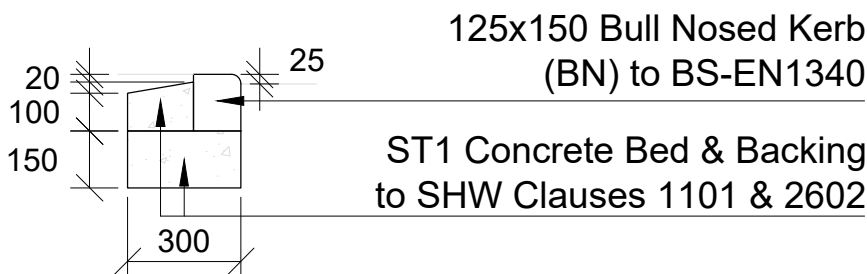
225 Non-Frost-Susceptible Type 1 Granular Material to SHW Clause 803
Assuming Light Vehicle Crossing of Footway Only)



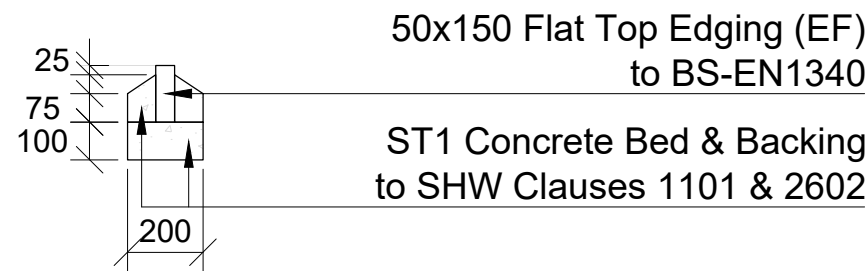
TYPICAL FOOTWAY CONSTRUCTION DETAIL



TYPICAL HALF BATTER (HB2)
KERB CONSTRUCTION DETAIL



TYPICAL BULL NOSED (BN) KERB
CONSTRUCTION DETAIL



TYPICAL FLAT TOP EDGING (EF)
CONSTRUCTION DETAIL

NOTES:

1. This drawing is to be read in conjunction with GHB series 236/2020 drawings and documents and any other relevant project team documents.
2. Preliminary Issue - Any work undertaken before approvals are received (in writing) are at risk of abortive works.
- P1. This drawing has been prepared solely for the purpose of obtaining a Planning Consent based on information available and planning requirements at the date of issue only.
- P2. This drawing is not to be used for construction or detailed pricing purposes. G.H.Bullard & Associates LLP have not been instructed to independently assess the suitability of the site for infiltration. All infiltration solutions based purely on a design infiltration rate of 1.9x10-6/ m/s as provided by Thorcross Builders Ltd.
- P3.

P2

Revision Date Description

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Client:

THORCROSS BUILDERS LTD.

Project:

OAKLEIGH, CAPEL ROAD, BENTLEY

Drawing Title:

PROPOSED HIGHWAY AND DRAINAGE
CONSTRUCTION DETAILS

Scale:

N.T.S @ A1

Date: FEB 2021

Drawn: JWT

Checked: JAH

DWG Reference:

236-2020.DWG

Status:

FOR INFORMATION

Drawing Number:

236/2020/12

Revision:

P1

P# = Preliminary, C# = Construction, AB# = As Built