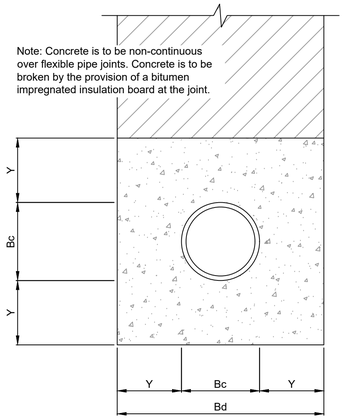
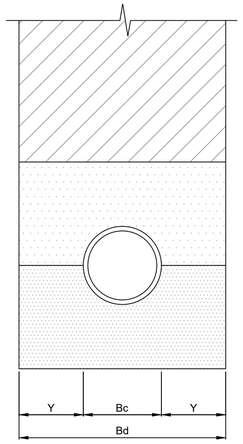


Pipe Bedding Detail
Class Z
For pipes laid less than 1.2m in Vehicular Areas
or less than 900mm in soft areas
(Scale 1:10)

DoT Type 1 material to be used under vehicular areas. Selected as-dug material elsewhere which is free from (large aggregate over 40mm, clay over 100mm, frozen and/or vegetable matter). Material compacted in layers not exceeding 250mm thk and mechanical compaction equipment not to be used until there is a minimum cover of 300mm above the crown of the pipe.

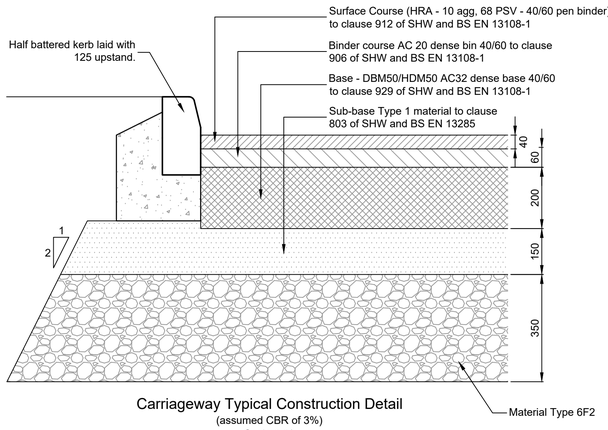
GEN3 Concrete to BSEN206-1 and BS8500, bed and surround to pipework.



Pipe Bedding Detail
Class B
For pipes laid more than 900mm in Landscaped Areas
(Scale 1:10)

Initial backfill material, not less than 150mm thk. Heavy compaction equipment not to be used.

Granular material to BS882, bed and surround to pipework.

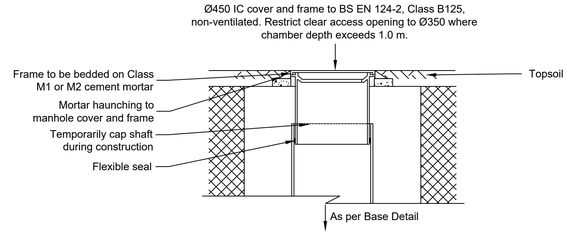


Carriageway Typical Construction Detail
(assumed CBR of 3%)
Scale 1:10

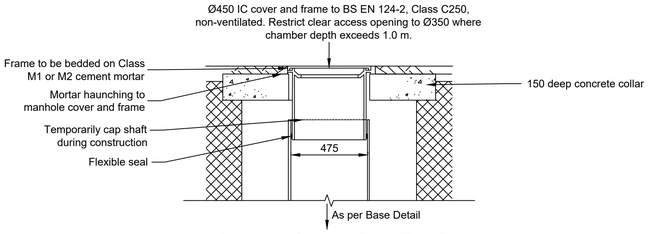
Notes

Sub-base thickness shall be determined in accordance with latest guidence from MCHW
Capping layer (if required) shall be laid in accordance with Specification for highway Works
Materials to be Type 6F unless otherwise approved.
Surface course shall have 1.3mm surface texture.

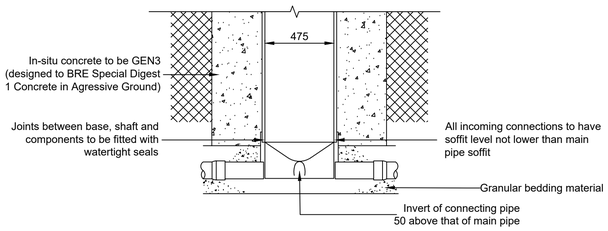
Exact thickness to be determined and adjusted if required to suit and match that of the construction thickness along the A36 noce exposed during the construction phase.



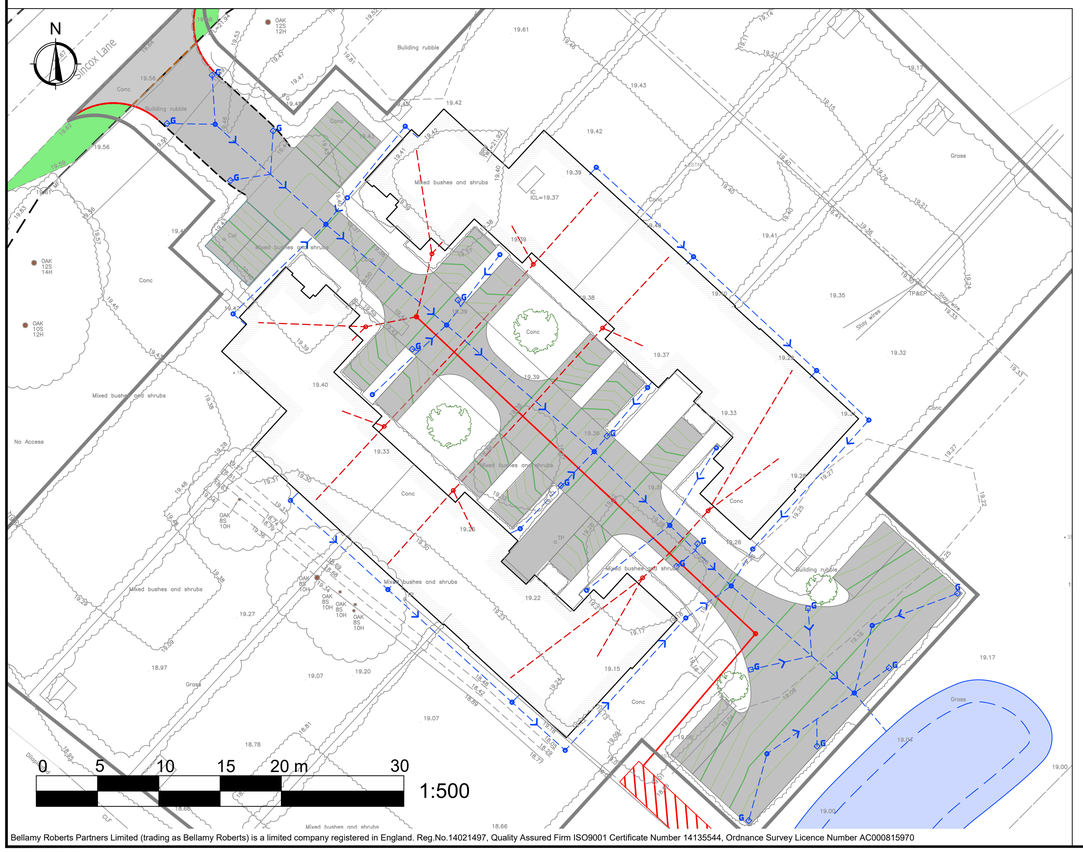
Inspection Chamber Detail Type A
Soft Landscaping
Scale 1:20



Inspection Chamber Detail Type B
Paved or Trafficked areas
Scale 1:20



Inspection Chamber Base Detail
Scale 1:20



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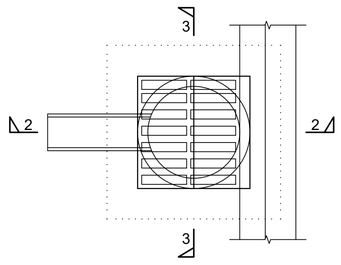


Plan

Notes

1. All gully gratings shall be of Ductile Iron construction and have minimum grade of D400 complying with BS EN 124:1994 and section 508 of the Specifications for Highway Works and shall carry the BSI Kitemark. Gully grating and frames have a minimum depth of 100 and shall be single piece non rocking anti theft captive hinged and be free from defects with kerbside hinged units. Gully grating and frames shall have a clear opening of 450 x 450 unless otherwise agreed in writing by the Highway Authority prior to installation.

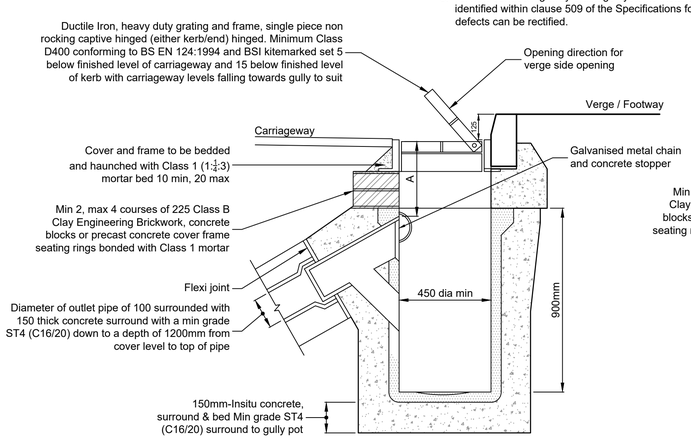
2. Without exception all gully pots shall be Precast Concrete units complying with BS 5911-6:2004 1994 and section 508 of the Specifications for Highway Works, and shall carry the BSI Kitemark. Gully pots shall be trapped shall have a minimum internal diameter of 450, depth of 900 and a gully outlet of 150. Gullies shall be constructed so that no part of the trap or spout has cross sectional area less than 2/3rd that of the outlet. The depth of water seal in trapped gullies shall not be less than 50. Depth "A" to be 750 minimum below carriageway to allow for services to clear gully connections and reduce the risk of damage to pipes due to settlement. Where depth of run is 1.2m below carriageway level a flexi joint is to be used at every joint.

3. All brickwork shall be solid Class 'B' clay engineering brick complying with BS EN 771-1:2003 and Series 2400 of the Specifications for Highway Work.

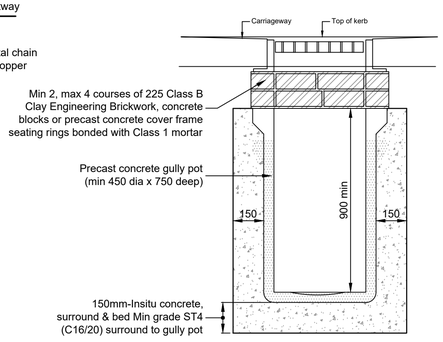
4. All mortar required for bonding brickwork, haunching and bedding the manhole cover and frame shall be Class (i) with a cement/lime/sand ratio of 1:$\frac{1}{4}$:3 complying with BS EN 998-1:2003, BS EN 998-2:2003 and Series 2400 of the Specifications for Highway Works.

5. All precast concrete gully pots shall be set on and surrounded with a minimum of 150 bedded on a Insitu concrete with a minimum grade of ST4/C16/20 concrete in accordance with the relevant sections of BS EN 206-1, BS 8500-1:2006, BS 8500-2:2006 and item 2602 of Series 2600 of The Specifications for Highway Works.

6. All new surface/highway drainage systems installed by the developer/contractor shall be tested using the water test method identified within clause 509 of the Specifications for Highway Works PRIOR to final wearing course being laid in order that any defects can be rectified.



Section 2-2



Section 3-3

Trapped Precast Concrete Gully Detail

Notes

Do not scale this drawing

This drawing shall be read in conjunction with all other relevant Engineering, Architectural, Landscaping details, drawings and specifications and all relevant Highway Authority Plans.

All surfacing works to be carried out in accordance with the Engineer's specification and relevant British Standards.Finished surface levels to be coordinated with building DPCs and drainage inverts.

REVISION	AMENDMENT	DRN	DATE	CHK
A	Details amended	CR	30/09/26	MT

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CLIENT	Forays Homes
PROJECT	Sincox Lane
TITLE	Drainage Construction Details

DRAWN BY	DESIGN BY	CHK BY
CR	CR	MT
DATE: 04/09/2026	DRAWING No.: 6129-1008	REV No.: A
SCALE: As Shown @ A1		