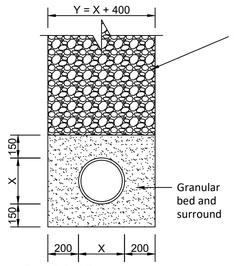
STUDIO 11 ARCHITECTURE

Pipes with cover less than 900mm to be in accordance with clause 5.15.8 of LCC Road specification 2016



Type 1 granular material to formation level

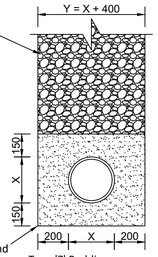
Granular bed and surround

Type 'S' Bedding
(Scale 1:20)

Note:
Applicable where pipework has more than 1200mm cover under trafficked areas or more than 900mm under non-trafficked areas

Trench Widths:	
Pipe Dia. (mm)	Min. Trench Width (mm)
100	550
150	600
225	700

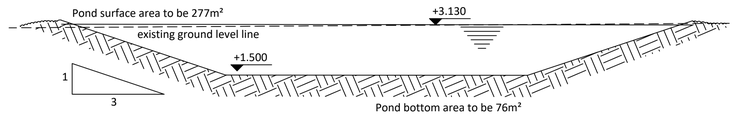
GEN1 min. 150mm concrete bed and surround (designed to BRE Special Digest 1 Concrete in Aggressive Ground)



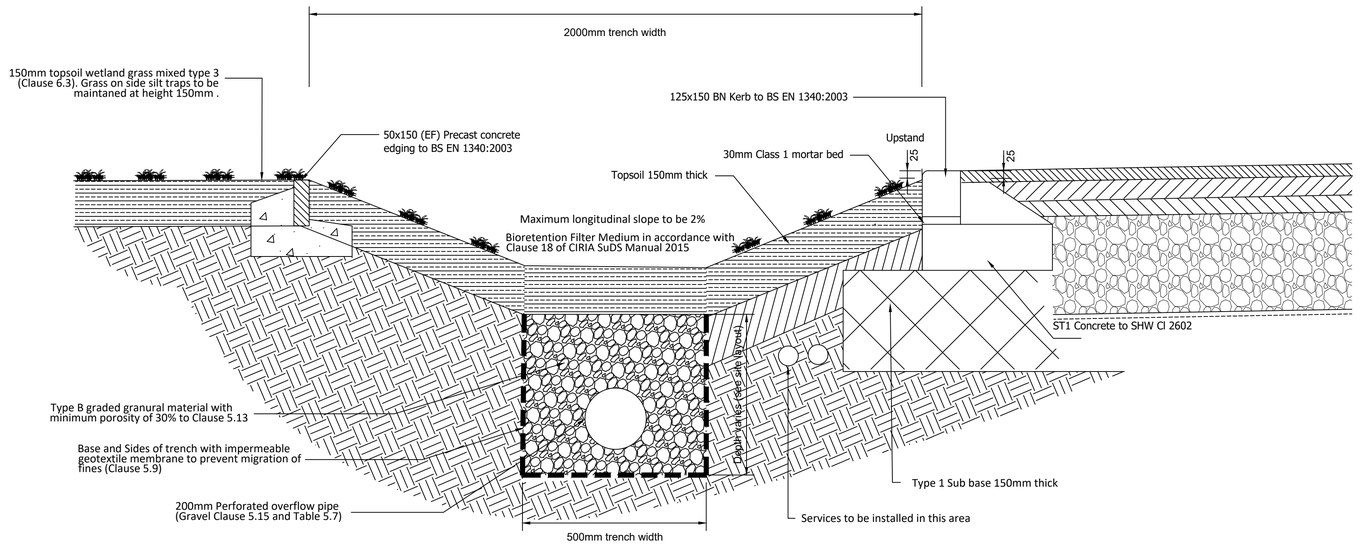
Type 'Z' Bedding
(Scale 1:20)

Note:
Applicable where pipework has less than 1200mm cover under trafficked areas or less than 900mm under non-trafficked areas

Pipe bedding details underneath adoptable roads
(Scale 1:20)

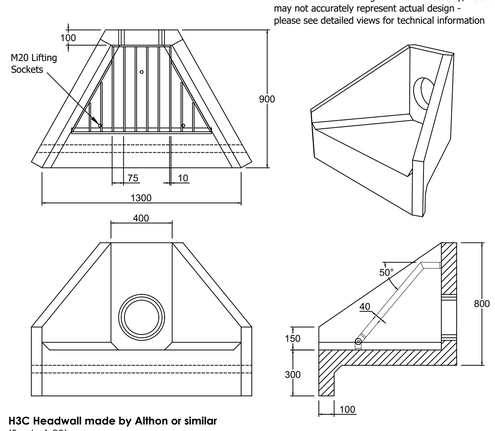


Pond Section A-A
(Scale 1:100)

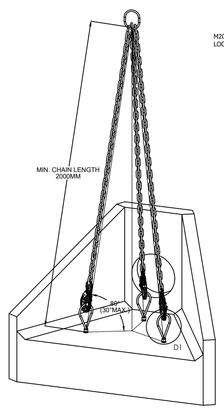


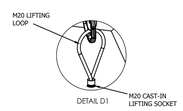
Channel Section
(Scale 1:10)

Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information



H3C Headwall made by Althon or similar
(Scale 1:20)



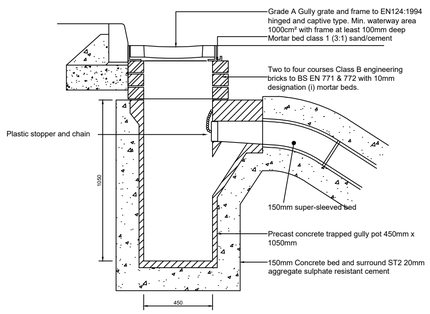


RD20 Threaded Lifting Loop
Safe Working Load: 2000kg each

Manufactured from zinc plated steel wire rope with a precision bright steel threaded portion. Threaded lifting loops are ideally suited to axial lifting procedures but can be used up to and including angled lifts of 30 degrees.

Use and Operation

The threaded lifting loop must be fully threaded into the lifting socket prior to commencing a lifting operation. It is imperative that the two mating surfaces are parallel to each other.



Note:
Gully pot and outlet pipe to a depth of 1.2m to be surrounded in 150mm of ST2 concrete

Road Gully Detail
(Scale 1:20)

Do not scale directly from this drawing. All discrepancies are to be brought to the attention of the below office.

The copyright to this drawing is owned by studio 11 architecture.

The General Contractor is to check all dimensions on site and report discrepancies to the designer.

The details and information shown hereon relating to existing underground drains, main services, cables, etc. and existing structural details, are as obtained by normal survey observation method. Although all reasonable effort has been made, no guarantee can be made or given for the completeness or accuracy of this information.

Note:
Construction to be in accordance with Sewers for Adoption 6th Edition.

STANDARD DRAINAGE NOTES:

1. Adoptable pipes with cover less than 1200mm to be Ductile Iron. Adoptable Pipes with cover more than 1200mm to be Vitrified Clay.
2. All pipe materials below adoptable Highways to be Vitrified Clay or Ductile iron or concrete.
3. All pipe materials for private drainage outside of adopted Highways to be PVC.
4. All gravity pipe runs to be tested to a standing head of 1500mm head of water above the invert at the head of the pipe run (but not exceeding 4000mm at the lower end)
5. For details of bed and surround requirements refer to long-sections and standard details. In all other situations provide 150mm of 10mm single-sized rounded gravel bedding and surround.
6. Except where specifically shown otherwise, pipes to be a minimum of 1200mm below roads/driveways and 900mm below gardens/fields.
7. Ventilating pipes to be provided at the head of each drain and to any branch longer than 6m where a single appliance is connected, or 12m where a group of appliances is connected.
8. Step-irons shall not be fitted in any chambers unless specified otherwise.
9. Manhole/Gully covers shall be regulated to suit finished levels and crossfalls
10. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations
11. Drains passing beneath buildings to have minimum 100mm granular fill or flexible filling around pipe. Where the pipe crown is within 300mm of the underside of the slab, pipe shall be encased in concrete integral with the slab.
12. Drains passing through walls below ground level to have minimum 50mm clearance all round and opening in walls to be masked all round with rigid sheet material to prevent ingress of fill or vermin. Openings in walls for pipes shall have concrete lintels to support wall construction above

REVISION	DATE	DRAWN	DESCRIPTION
A	07.03.2019	ZEK	General amendments.

STUDIO11 architecture
THE BOATHOUSE, HARBOUR SQUARE,
NENE PARADE, WISBECH,
CAMBRIDGESHIRE, PE13 3BH
T: 01945 467339
E: design@studio11architecture.co.uk
W: www.studio11architecture.co.uk

CLIENT Seagate Homes Ltd

PROJECT Residential development off Station Road, Surfleet

DRAWING Drainage Details-Adoptable (Sheet 2 of 2)

DRAWN	PROJECT DESIGNER	PROJECT DIRECTOR
ZEK	TBP	KB
DATE	**SCALE**	**PAPER SIZE**
01.02.2019	VAR	A1

DRAWING NUMBER
428.RS.821

Working in partnership with **Ralph Charman Associates** & **Eleven Consultants**

S104