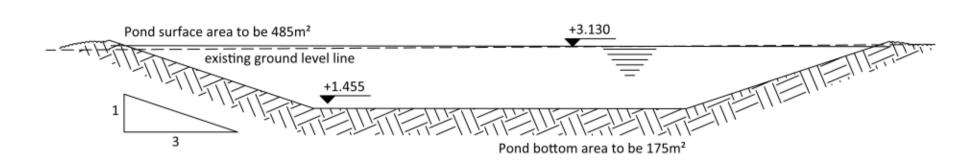


- 1. Rootzone to consist of 70/30 mix of sand/topsoil as clause 6.2. 2. Type B filter medium to be open graded and in accordance with
- clause 5.13, with a minimum porosity of 30%.

LCC Figure 5/11 Filter Drain Detail



Formation to finishes - Varies

GEN3 concrete

A393 mesh

50mm cover to

Min 300 bearing on original ground

Granular bedding material, well

general accordance with 5.15

compacted. Bedding material to be in

accordance with clause 5.15.2 and in

slab

Backfill under

roads and

pavings to

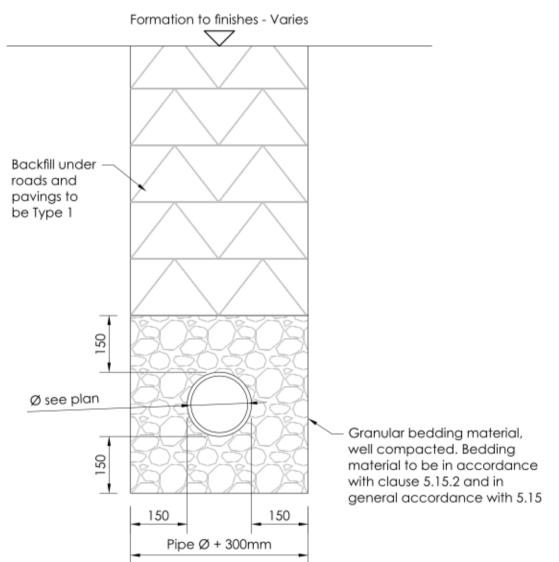
be Type 1

Compressible

Ø see plan

materail

Pond Section A-A (Scale 1:100)



LCC Granular Bed & Surround

(Where pipe has more than 1.2m cover in roads, or more than 0.9m cover in non-trafficked areas) (Scale 1:10)

LCC Concrete Slab Pipe Protection

Pipe Ø + 300mm

150

150

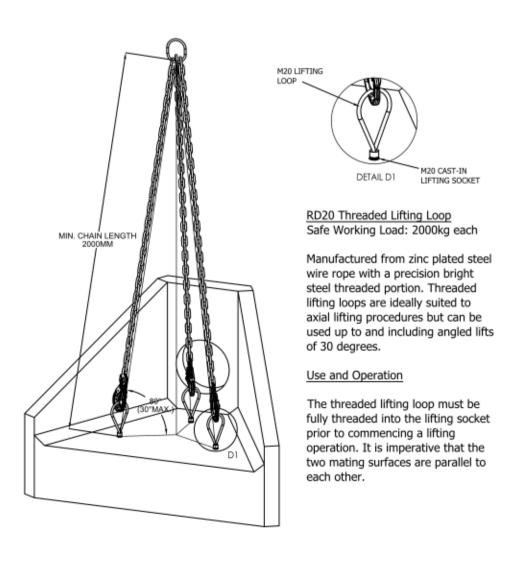
(Where pipe has less than 1.2m cover in roads, or less than 0.9m cover in non-trafficked areas) (Scale 1:10)

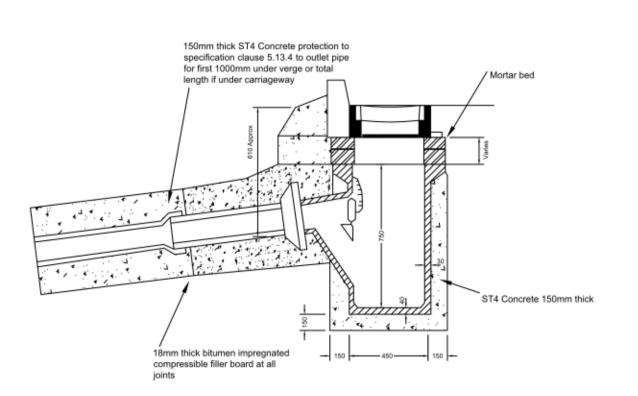
- Granular bed and surround preferred with the addition of a reinforced concrete protection slab where the depth of cover beneath the highway is less than 1.2m or less than 0.9m in non trafficked areas.
- For gully laterals, refer to detail below.

Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information M20 Lifting Sockets 100

H3C Headwall made by Althon or similar

(Scale 1:20)





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.

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

STANDARD DRAINAGE NOTES:

construction above

- 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
- 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
- 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

9. Manhole/Gully covers shall be regulated to suit finished levels and

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

The specification in all respects shall be in accordance with the current Development Road and Sustainable Drainage Specification and Construction publicatin in force in the country at the time of construction

The minimum longitudinal fall for highways without channel blocks shall be 1 in 150, and with channel blocks 1 in 250

General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Develpment will be reinstated to the Develpment Road and Sustainable Drainage Specification and Construction at the developers' own cost at the agreement of the inspecting Highway and Flood Authority Officer

No private surface water shall discharge onto the adoptable highway

No private structral features shall overhang the adoptable highway

No private retaining walls exceeding 1.37 metres shall be within 3.66 metres of the highway boundary

11.12.2019 S11 Revised Filter Strip and Pipe suround details. 27.06.2019 ZEK Revised Road gully detail 29,05.2019 ZEK Storm water drainage strategy, drainage details, manhole schedule, revised plan, pond size

09.04.2019 ZEK Highways initial comments (Footpath, 5278, 538, MH cover levels, Kerb details, Filter drain detail, construction details, Chart 1, Colours, added easements, beddings Vehicle crossings, contours

07.03.2019 ZEK General amendments. REVISION DATE DRAWN DESCRIPTION



Seagate Homes Ltd **PROJECT** Residential development off Station

Road, Surfleet

DRAWING Drainage Details-Adoptable (Sheet 2 of 2

ZEK		PROJECT DESIGNER TBP	PROJECT DIRECTOR
DATE	ī	SCALE	PAPER SIZE
01.02.2019		VAR	A1

DRAWING NUMBER

428.RS.821