

Manhole FA, interpolated invert level 4.296; this level must be confirmed prior to sewer installation and engineer advised of any discrepancy.

Permeable paved entrance with ACO drain at boundary with adoptable highway, connection back into subbase. Sub base depth 385mm

Existing access to be maintained

New access to doctors surgery

Aquacell Invert B 5.644

Invert pipe B 6.03

Invert S13 6.10

Aquacell C Invert C 5.490

Existing access to be maintained

Aquacell Invert D 5.260

Aquacell Invert E 5.233

Existing drainage ditch to be re-graded and excavated and 'aquacell' infiltration system installed

Existing drainage outfall to be connected to new drainage ditch

Foul sewer rising main to connect to existing public sewer manhole Ref 0702 in Cinders Lane subject to S106 Agreement with Southern Water

Existing drainage ditch to be re-graded and excavated and 'aquacell' infiltration system installed

150mmØ overflow pipe located at top of Aquacell crate and linking to downstream crate

Existing drainage ditch to be cleaned and regraded between A-C

Existing wall and gate to be removed

Existing floor ditch to be re-installed as shown

Notes:

1. All levels are to local Datum.
2. All Highway work on or adjacent to existing public highway shall be executed in accordance with the Traffic Safety Code for Roadworks and Chapter 9 of the Traffic Signs Manual.
3. At the commencement of works on site the contractor is to carry out trial pits and liaise with Utility Companies in order to establish the exact position of all existing statutory utility plant in the vicinity of works and take adequate precautions to their protection.
4. The Contractor is to comply fully with the CDM Regulations in the course of constructing the works.
5. Highways in the vicinity of the works must be kept free from mud, debris and dust falling from vehicles or the wheels of vehicles connected with the works.
6. All drains and sewer pipes to be laid with 1% to 2% fall, unless shown otherwise.
7. Minimum gradient for 1000 SW is 1:100 and 1000 FW is 1:80 with one IVC connected otherwise 1:40. Bedding for domestic drainage Class B. All pipe runs near buildings to comply with the Building Regulations 2010 Part H1.
8. Position of soil pipes, standing wastes, wet outlets etc. are shown on the Architect's working drawings. Rainwater downpipe positions are to be checked against Architect's details to ensure compatibility. Rainwater downpipes to have rodding access facilities where surface water drainage passes under buildings.
9. All concrete and concrete products to be in accordance with BRE 363 for subbases.
10. All slab levels shown are for guidance only and may need to be adjusted on site, subject to approval by the engineer.
11. Do not scale from this drawing, work only from stated dimensions or setting out details.
12. Refer to tables for manhole schedules.
13. Where paths fall towards the front door use suitable linear/drainage system connected to surface water system as per architect's details.
14. All plots to have gardens sloping away from properties otherwise interceptor drains to be installed.
15. Surface water drainage connected to catchpit manhole prior to discharge to soakaway.
16. Soakaways to be minimum 5.0m from dwelling foundations and 2.0m from boundary wall foundations. Boundary walls within 2.0m of soakaways to have reinforced foundations. Prior to construction of soakaways trial holes to be dug to the invert of base to establish ground water level.
17. This drawing is to be read in conjunction with all relevant engineering drawings issued by Eastern Chertman and Crayfern Homes for this site only.
18. NOTE: No part of any headwall shall encroach into the profile of the receiving ditch.

LEGEND:

Foul Water Drainage Legend:

- Existing foul water sewer (stated in Billman Road)
- Domestic foul water sewer and manholes
- Foul sewer rising main
- Foul water pumping station (not depicted)
- Type 2 - 120mm Ø
- Type 3 - 40mm or 60mm Ø
- Type 4 Shallow PFC Inspection chamber - 250mm Ø
- Invert 150mm lower than FFL unless noted otherwise
- Surface Water Drainage Legend:
- Type 2 - 120mm Ø
- Type 6 - all trap manhole
- Type C 120 x 675 (see schedule)
- Type D 900 x 675 (see schedule)
- Domestic surface water drain with rodding eye
- TYVE 3 - 40mm
- Type 6 - 40mm ØB Trap
- Undeveloped Highway gully
- Undeveloped Highway gully
- Acrodrainage channel (installed at all garage entrances)
- Domestic trench soakaway (Sizing determined by H-Val infiltration testing. Soakaway designed in accordance with Environment Agency criteria for 1 in 100 years storm rain - 40% drainage charge and direct a minimum of 5.0m from new dwellings)
- Existing drainage ditch replaced with 'Aquacell' Prime infiltration system adjacent to Cinders Lane. Inspection access points at 25 metre intervals. 150 mm dia overfall at high level as indicated.
- 'Aquacell' Core attenuation tank with air valve
- H1
- Headwall discharge to ditch. Trenchy Concrete pre-fabricated headwall or similar approved

Surfacing Legend:

- Block paved domestic drive
- Permeable block paved domestic drive
- Depth of sub base - 225mm
- Permeable block paved shared drive
- Depth of sub base - 320mm
- Permeable block paved access entrance
- Depth of sub base - 385mm
- Reinforced grass parking construction
- Flexible construction to edge/boundary

N	18.06.21	7th Draft Issue	KN
N	07.06.20	New FA & FB added to final drainage	KN
N	21.07.20	1st Draft submitted to S106 AG	KN
N	03.12.18	Drainage re-visited to reflect various	KN
N	07.12.18	Revised to include 7500 gully condition	KN
N	28.11.18	Entrance amended, alignment due to services	KN
N	27.11.18	Aquacell reconfigured system to reflect wall foundations	KN
N	11.11.18	S11 to Southern Water, one not specified from school	KN
N	23.10.18	On site drainage adjustments	KN
N	11.08.18	Aquacell overflow address as measured by ADC drainage engineer	KN
N	28.07.18	Issues for review	KN
N	22.03.18	Client reviews to layout (P101-24871-01)	KN
N	05.12.18	Final Issue	KN
N		Details	KN

Drawing Status				
AS BUILT				
Project				
CINDERS NURSERY				
YAPTON				
Client				
Crayfern HOMES				
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Drawing Title				
Drainage Layout				
Drawn	Checked	Scale	Paper Size	Date
KN		1:250	A0	01.19
Job No.	Drawn By	Drawn At		Revision
KNC1826		502-02		N

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
CDM Regulations 2015

In addition to the hazards/risks normally associated with the type of work detailed on this drawing note should be made of the following:

- Working in vicinity of live highway
- Services to be located prior to any excavation work being undertaken
- Deep excavations
- Working on live foul sewers

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement. Contractor is not relieved of any of his obligations under all applicable health and safety regulations.