that proposed loads from foundations are not transferred onto drain.
Building control/ Engineer to advise on protection to existing drain

Existing Sewage Location

Invert level to be confirmed

Type D

Type E

Type C Handed

Type F

Type C

Type B Handed

Type B

Type A

silt trap 99.29 99.24

re 99.42

99.42

re

silt trap 99.15

Soakaway crate

5000

98.05

4 x 1 x 0.82m deep cellular soakaway units soffit 99.1 bed 98.3

10 x 1.5 x 1.2m deep cellular soakaway units soffit 99.1 bed 97.9

11 x 2 x 1.6m deep carriageway standard geolight cellular storage or similar approved bed 97.4 soff 99 min gl 99.6

30 x 1.5 x 0.8m deep carriageway standard geolight cellular storage or similar approved bed 98.4 soff 99.2 min gl 99.84

5 x 4 x 0.8mdeep cellular soakaway units soffit 99.25 bed 98.45

92 #

94 #

Ridge

Eave

silt trap 99.0

98.85

99.62

+ 99.65

ppic 99.30

99.25

+99.63

99.69

99.87

99.77

+99.92

+99.77

+ 99.77

+100.02

+99.87

+99.38

99.15

99.2

99.71

99.86

99.78

99.84

99.89

100.047

99.93

99.94

99.79

99.85

99.91

99.96

100.035

99.05

+99.50

+99.65

+99.73

+99.75

+99.99

+99.94

1:40

+100.03

99.97

100.12

99.82

100.05

100.045

+100.20

+99.99

+99.97

+100.12

99.4

99.803

99.53

Pool

1500Ø

1500

5000

MH

SVP

RWP

SW

0 10 20 30 40 50 60

1/500 SCALE BAR

NOTES

The site manager is to inspect all excavations for stability prior to any personell entering the trench. If any doubt whatsoever exists regarding the state of the ground the operative must refer the issue to the manager prior to entering the trench.

Site staff must observe all normal trench precautions for any excavation . Risks to staff include trench collapse due to plant or materials loading, trench instability due to running conditions or shrinkage and expansion, and gassing risk due to ground gasses or contact with live sewerage.

Appropriate method statements must be in place for these operations and the operatives must have demonstrated to the principal contractor evidence of their training and compatance in respect of such works

Additional risks include falls from height and the potential for debris to be kicked into trenches. Appropriate barrier systems must be used where necessary

In deep systems, and at the discretion of the planning supervisor, trench working may be defined as confined spaces working and additional safety precautions including compliance with specific legislation, must be taken. Escape plans must be in place and gas monitoring equipment available.

WHERE LOW POINTS ARE INICATED AGAINST BUILDINGS IT IS ANTICIPATED THAT THE ACTUAL LOW POINT WILL BE OFFSET FROM THE BUILDING LINE BY A MINIMUM OF 150MM HORIZONTALLY AND 20MM VERTICALLY SO AS TO PROVIDE A WATER CHECK. WHERE PRACTICAL, THE USE OF CHANNEL DRAINAGE SYSTEMS SHALL BE PREFERRED FOR INDIVIDUAL DRIVE AREAS GULLIES ARE PREFERRED FOR COMMUNAL OR LARGER AREAS. IT IS ESSENTIAL THAT THE GULLIES USED FOR A PARTICULAR APPLICATION AREA ADEQUATE IN NUMBER AND SCALE FOR THE PARTICULAR APPLICATION.
THE PROVISION OF EXTERNAL STRUCTURES REQUIRES EXCAVATION WORK IN TRENCHES, AND REQUIRES NORMAL TRENCH PRECAUTIONS TO BE UNDERTAKEN.

THE PROVISION OF RETAINING WALLS MAY NECESSITATE THE UNDERCUTTING OF EXISTING SLOPES AND/OR STRUCTURES TO EFFECT THE NEW WALL CONSTRUCTION. SPECIALIST ADVICE IS REQUIRED IN THESE INSTANCES FROM AN APPROPRIATELY QUALIFIED STRUCTURAL AND GEOTECHNICAL ENGINEER TO ADDRESS THE ISSUES OF STRUCTURAL STABILITY.
MATERIALS AND PLANT MUST NOT BE STORED ON THE HIGH SIDE OF AN UNDERCUT SLOPE AND THE AREA MUST BE GUARDED TO PREVENT FALLS FROM HEIGHT

ADEQUATE MEASURES MUST BE EMPLOYED TO PROVIDE SLOPE STABILITY OR STABILITY / SHORING TO EXISTING STRUCTURES, AND PARTICULAR ATTENTION SHOULD BE PAID TO THE WEATHER PROOFING OF ANY SLOPES THAT WILL BE EXPOSED FOR SOME TIME

SIMILAR PRECAUTIONS ARE REQUIRED WHEN WORKING IN PROXIMITY TO EXISTING RETAINED MATURE TREES. EXCAVATIONS MAY DESTABILISE STRUCTURAL ROOTS AND SHOULD IDEALLY BE UNDERTAKEN BY HAND TO AVOID OVERHEAD CONTACT BETWEEN PLANT AND TREE BOUGHS

METHOD STATEMENTS MAY BE REQUIRED BY THE PLANNING SUPERVISOR DEMONSTRATING OPERATIVE TRAINING AND COMPETANCE IN THESE ISSUES. PERSONAL PROTECTIVE EQUIPMENT MUST BE USED AT ALL TIMES

REV	DESCRIPTION	DATE	INITIAL

MODEL REFERENCE DATA

ENGMODEL

ARCHMODEL

PRELIMINARY
NOT FOR CONSTRUCTION

PURPOSE OF ISSUE REV DATE

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PROJECT:
PROPOSED RESIDENTIAL DEVELOPMENT AT MILL LANE EARL SHILTON

CLIENT:
CAIRNS HERITAGE HOMES

TITLE:
SURFACE WATER DRAINAGE

DRAWN:	CHECKED:	DATE:
SWD		26-6-13
SCALE: 1/200	REV:	
DWG No: E547-01		

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